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Earth-Venus Trajectories, 1967

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FOREWORD

This volume is one of a set of five giving key characteristics of Earth-to-Venus trajectories during the period 1964-1970. This period is divided into five 120-day launch intervals spaced about 19.2 months apart. During each interval, trajectory characteristics are given for flight times of from 70 to 220 days in 2-day steps. Thus each volume contains 9,120 trajectories.

The applicability of these books may be extended by noting the 8-year cyclic recurrence of Earth-Venus trajectories. Thus trajectories in 1972 are very nearly identical to 1964 trajectories; 1973 trajectories are very nearly identical to 1965 trajectories, etc. Simply by updating the trajectories by 8 years, the results may be reapplied.

It is intended that these books provide trajectory and guidance analysts with data, in volume, so that they may perform preliminary design studies, conduct investigations of the properties of ballistic interplanetary trajectories, and make interplanetary guidance and orbit determination analyses. While not exact, these trajectories are sufficiently accurate to be quite useful for the above purposes.

In generating such a large amount of data, it is impossible to check the correctness of each number. Should the reader detect any errors, the authors would appreciate being advised.

Companion volumes (Ref. 1) give the characteristics of Earth-Mars trajectories during the period 1964-1977.

I. INTRODUCTION

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This report presents the results of extensive machine computations of three-dimensional ballistic interplanetary trajectories. The analytic model used to represent these trajectories is based upon two-body, inverse-square, force field mechanics. A brief explanation of the model is presented in Section II.

Basically, the trajectories are calculated in two distinct parts: (1) the heliocentric transfer ellipse and (2) the launch-planet-centered escape trajectories. Following these trajectories, differential corrections or error coefficients and guidance and tracking parameters are given.

A. Heliocentric Conic Computation

The heliocentric trajectory is obtained by specifying the launch date and flight time only. Given these, the positions of the launch planet on the launch date and the target planet on the arrival date may be obtained by interrogating the ephemerides. By assuming the planets to be massless, a unique heliocentric trajectory may then be computed which passes through the centers of the launch and target planets. Though this assumption may at first seem gross, experience has proved it to be perfectly reasonable for this purpose. After the solution has been obtained by an iterative procedure, the orbital elements, heliocentric position, and velocity vectors at launch and arrival are computed. Other heliocentric quantities of engineering interest are also computed.

B. Planetocentric Conic Computation

After the heliocentric orbit is obtained, the launch and arrival hyperbolic-excess velocity vectors are computed by subtracting the velocity vectors of the launch and target planets from the heliocentric launch and arrival velocity vectors of the probe. The launch hyperbolic-excess vector is, in fact, the most important result of these computations because it yields the energy and direction of fire required to achieve interplanetary transfer.

Further computations are done to exhibit properties of the near-Earth portion of the trajectories. Given the launch hyperbolic-excess vector, a launch site (Cape Canaveral), a launch azimuth, and certain properties of a typical interplanetary boost vehicle, and assuming a 100-nm parking orbit, quantities such as launch time, injection position and velocity vectors, parking orbit coast time, and injection time are computed. In essence, then, approximate trajectories are obtained from the

launch pad to the target. The terminal portions of the trajectories are assumed to impact vertically on the target planet.

C. Differential Corrections

To augment the trajectory parameters, differential corrections or error coefficients relating variations in the launch hyperbolic-excess velocity vector to variations in target miss and flight time are computed. Actually, the variables at launch in these coefficients are the square of the hyperbolic-excess speed, or *vis viva* energy C_3 , and the declination and right ascension of a unit vector S , collinear with the outgoing asymptote of the escape hyperbola. The target variables are the components of the impact parameter B , defined below, and the flight time. These coefficients are obtained by a numerical differencing technique developed by William Kizner of JPL.

Based upon these error coefficients, guidance and tracking parameters are calculated as described below.

D. Mid-Course Guidance

Interplanetary guidance is currently being accomplished by determining the orbit of the probe from radio tracking data and then applying one or more impulsive velocity corrections to null the predicted target error. The guidance task closely parallels the trajectory problem, for it is convenient to define the following guidance "phases":

1. Planetocentric phase, in which, after the launch vehicle has placed the probe on its escape hyperbola, the orbital elements of this trajectory are determined and the hyperbolic-excess velocity is corrected to the desired value.
2. Heliocentric phase, in which additional velocity corrections may be made to correct any error in orbit determination and/or maneuver execution in phase 1.
3. Approach phase, in which the probe is in the sphere of influence of the planet and the final vernier corrections may be made to trim the results of phase 2.

The preflight analysis of phase-1 guidance is primarily concerned with the statistical problem of determining how much propellant to carry aboard the spacecraft in

order to correct a "three-sigma" injection guidance error. These studies are well-documented elsewhere (Ref. 2-4) and will not be discussed here. Suffice it to say that correcting the hyperbolic-excess velocity is a reasonably good approximation to nulling the miss components at the planet. Such an analysis need only be concerned with the planetocentric phase of flight.

The analysis of the heliocentric phase is more complicated, since maneuvers there depend upon errors in applying the first midcourse maneuver (phase 1). In order to understand the effect of phase 1 errors, or to specify a tolerance on them, it is convenient to ask how a unit error in hyperbolic-excess velocity maps to miss at the target. This unit velocity error can be thought of as due to uncertainties in phase-1 maneuver execution and orbit determination. Conceptually, this analysis can be accomplished by letting a unit velocity error trace out a sphere at the tip of the hyperbolic-excess velocity vector and observing the semimajor and semiminor axes of the miss ellipse at the target (only two miss components are normally of interest). Mathematically, this is done by simply forming a matrix of the differential corrections, multiplying this matrix by its own transpose, diagonalizing the resulting symmetric matrix, and observing that the two diagonal terms are the desired semimajor and semiminor axes of the unit error ellipse.¹ It is easy to show that if the coordinate system chosen to describe the target error is collinear with these axes, the rows of the resulting differential correction matrix (which are gradient vectors) are orthogonal, and their norms are the magnitudes of the error-ellipse axes.

The approach guidance phase is not conveniently treated with this kind of analysis, and is not discussed further. Here, it can be assumed that the approach maneuvers are always negligibly small.

E. Orbit Determination

A spacecraft boosted toward Mars or Venus by the current generation of launch vehicles requires the accuracy obtainable using Earth-based radio guidance in order to accomplish most planet-oriented experiments. The steps in radio guidance are:

1. Track the transponder signal from the spacecraft from several stations located at a spread of latitudes to determine the orbit of the spacecraft.

2. Calculate the velocity changes required to alter the orbit to pass through the desired region at the target. The maneuver is then applied with a small rocket motor; the pointing direction and burning time (of the velocity increment) are calculated to perfectly correct the orbit if both the estimate of the orbit and the application of the maneuver are without error.
3. Track the spacecraft after the first maneuver for a sufficient interval to form a new estimate of the perturbed orbit.

This process of tracking and maneuvering may be repeated several times to achieve high accuracies at the target. There is, however, a limit to the process imposed by our uncertainties in the actual location of the target planet as well as the unpredictable forces acting on the spacecraft.

For extremely high accuracy at the target planet, on-board measurements must be used in conjunction with the Earth-based tracking in order to further reduce the above-mentioned uncertainties. It is not the function of this report to discuss on-board measurement systems but rather to describe the capabilities of current Earth-based radio guidance techniques when applied to interplanetary trajectories.

An adequate description of the accuracy to which orbits may be determined and maneuvers executed for the case of several corrective maneuvers is beyond the scope of this report. The results presented here may be strictly interpreted as corresponding to the accuracy capabilities for a single mid-course maneuver occurring anywhere between 1 and 14 days after injection. The relative contribution to the target uncertainty caused by orbit determination errors and mid-course execution errors depends directly upon the size of the correction required on a particular flight. For this reason, then, two error sources are considered separately. While our results do correspond to the single maneuver case, they are very valuable in providing a general description of the way in which these errors vary over the selected set of trajectories. Such utilization of the results is discussed later herein.

F. Accuracy of Computations

Extensive accuracy studies were performed to verify the adequacy of these trajectories for preliminary design use. Both Mars and Venus trajectories were computed on the JPL precision-integrating trajectory program using

¹ It should be apparent to readers familiar with statistical concepts that this is equivalent to mapping a three-dimensional gaussian distribution of velocity errors, with unit standard deviation along each axis, to a two-dimensional gaussian distribution of position errors at the target.

initial conditions obtained from the approximate trajectories contained herein. Of 56 Mars cases run, 29 missed the target by less than 500,000 km; 16 missed by between 500,000 and 1,000,000 km; and 5 missed by between 1,000,000 and 1,500,000 km. The worst case missed by 3,500,000 km. For the flight time errors, 16 varied between 1 and 2 days; 14 varied between 2 and 3 days; and 9 were greater than 3 days. The worst case was 7.2 days. No systematic properties of these errors were noted except that they appear to get worse for the higher-energy trajectories.

For Venus, the accuracy was considerably better, averaging 322,000-km miss error and 0.67-day flight time errors. Based on these comparisons, the model used to generate the trajectories contained herein is considered to be adequate and the results suitable for preliminary mission design studies. These results are very useful for initializing the precision trajectory search program.

When used for the stated purposes, these trajectories provide an excellent source of data obtained at considerably less time and expense than precision cases.

II. ANALYTICAL MODEL FOR INTERPLANETARY TRAJECTORIES

The analytical model consists of three distinct phases of two-body motion: (1) an escape hyperbola near the launch planet, (2) elliptical² motion under the attraction of the Sun, and (3) terminal hyperbolic motion near the target planet.

A. Heliocentric Motion

Solution of the heliocentric elliptic motion is obtained first under the following assumptions:

1. The launch and target planets move in orbits about the Sun as given in the national ephemerides. Their velocity components are obtained by using two-body conic formulas, mean orbital elements, and their tabular positions as listed in the ephemerides.
2. The launch and target planets are massless. Thus the only force acting on the probe is that of the Sun.
3. The position of the probe at launch into the heliocentric orbit is the center of the massless launch planet. Its position at arrival on the heliocentric orbit is the center of the massless target planet.

Thus for solution to the heliocentric phase of motion, the attractions of the launch and target planets are temporarily disregarded. The primary result to be obtained from the solution of the heliocentric transfer problem is the hyperbolic-excess velocity vector relative to the launch planet.

1. Determination of Planar Orientation

Since the launch and arrival positions of the probe are assumed to be the centers of the launch and target planets, they can immediately be determined, given the launch and arrival³ times, by consulting the ephemeris. Further, the orientation of the heliocentric transfer plane can immediately be found. Let \mathbf{R}_L be the Sun-launch planet position vector at launch time T_L , and let \mathbf{R}_p be the Sun-target planet position vector at arrival time T_p (Fig. 1). Then, planar orientation is found from the unit normal \mathbf{W} to the plane as follows:

$$\mathbf{W} = \frac{\mathbf{R}_L \times \mathbf{R}_p}{R_L R_p \sin \Psi} \quad (1)$$

²Hyperbolic heliocentric motion is not considered herein.

³Or, for convenience, the launch date and flight time can be specified.

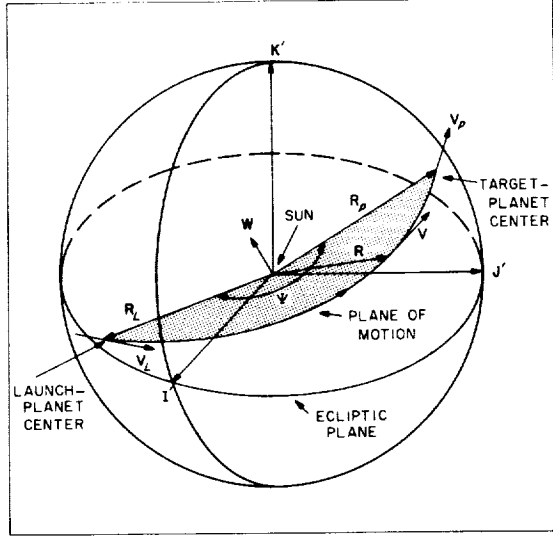


Fig. 1. Heliocentric transfer geometry

where the angle Ψ is defined below. The inclination⁴ i to the ecliptic plane can be found by

$$\cos i = \mathbf{W} \cdot \mathbf{K}' \quad (2)$$

where \mathbf{K}' is a unit vector pointing in the direction of the ecliptic north pole.

2. In-Plane Relations

The heliocentric central angle Ψ (Fig. 1) is also readily determined by utilizing the positions of the launch and target planets. This angle may be obtained from

$$\cos \Psi = \frac{\mathbf{R}_L \cdot \mathbf{R}_p}{|\mathbf{R}_L| |\mathbf{R}_p|} \quad (3)$$

$$\sin \Psi = \text{sgn} [(\mathbf{R}_L \times \mathbf{R}_p) \cdot \mathbf{K}'] (1 - \cos^2 \Psi)^{1/2} \quad (4)$$

The velocity vector \mathbf{V} of the spacecraft anywhere along its path may be obtained from

$$\mathbf{V} = \frac{V}{R} [(\mathbf{W} \times \mathbf{R}) \cos \Gamma + \mathbf{R} \sin \Gamma] \quad (5)$$

Here, \mathbf{R} is the heliocentric position vector, $R = |\mathbf{R}|$, and V is the heliocentric speed obtained from

$$V = \sqrt{GM_s \left(\frac{2}{R} - \frac{1}{a} \right)} \quad (6)$$

⁴In this report, we are interested only in transfers which have the same rotational motion about the Sun as the planets; thus, $0 \leq i \leq \pi/2$.

and the path angle Γ is found from

$$\sin \Gamma = \left[\sqrt{\frac{R}{(1-e^2)(2a-R)}} \right] e \sin v \quad (7)$$

In Eq. (6) and (7), GM_s is the universal gravitational constant times the mass of the Sun ($= 2.959122083 \times 10^{-4} \text{ au}^3/\text{day}^2$), a and e are the semimajor axis and eccentricity of the transfer ellipse, respectively, and v is the true anomaly of the probe given by

$$\cos v = \frac{a(1-e^2) - R}{eR} \quad (8)$$

3. Lambert's Theorem

Now there are two unknowns in Eq. (5)-(8) which prevent their immediate evaluation. These two unknowns are the semimajor axis a and the eccentricity e . The determination of these quantities is the main problem. Battin (Ref. 5) has shown that the eccentricity is actually a function of the semimajor axis. Thus it is first necessary to determine a . The semimajor axis is related to the time of flight T_F by Lambert's Theorem, which states: *The transfer time between any two points on an ellipse is a function of the sum of the distances of each point from the focus, the distance between the points, and the semimajor axis of the ellipse.* Functionally, the theorem is stated as

$$T_F = T_F(R_L + R_p, C, a) \quad (9)$$

where the distance C between the launch planet at launch time and the target planet at arrival time is shown in Fig. 2 and is obtained from

$$C = |\mathbf{R}_p - \mathbf{R}_L| \quad (10)$$

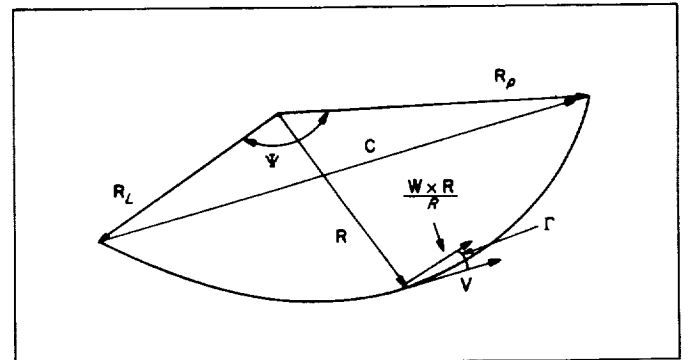


Fig. 2. In-plane transfer geometry

Since the time of flight T_F and the launch and arrival positions \mathbf{R}_L and \mathbf{R}_p are knowns, only the semimajor axis

remains to be found by iterative solution of Eq. (9). After the semimajor axis a is obtained, the heliocentric velocities of the probe at launch and arrival time V_L and V_p may be evaluated from Eq. (5) under the conditions $R = R_L$ and $R = R_p$. The path angles Γ_L , Γ_p and true anomalies⁵ v_L , v_p at launch and arrival times may also be evaluated from Eq. (8) and (7) under the same conditions.

Finally, the desired end result, the hyperbolic-excess velocity V_{hL} relative to the launch planet may be found (Fig. 3) by

$$V_{hL} = V_L - V_1 \quad (11)$$

where V_1 is the velocity of the launch planet at launch time.

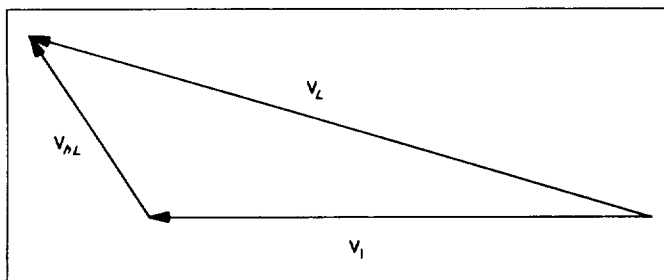


Fig. 3. Determination of the hyperbolic-excess velocity vector V_{hL}

B. Launch Planet Escape Hyperbola

The key result from the solution of heliocentric transfer is the hyperbolic-excess velocity vector V_{hL} at launch. The reason for the importance of this vector is that it tells the direction in which the probe must be traveling relative to the launch planet when just leaving its gravitational influence. There are an infinite number of escape trajectories (all hyperbolas) which can have the same hyperbolic-excess velocity vector. However, only a portion of these are practical for use when related to existing launch sites and boost vehicle constraints. For example, it would be ridiculously costly in payload—and impractical—to shoot a vehicle straight up. Criteria for selection of a family of feasible escape trajectories are given below.

1. Assumptions

The solution of the escape phase of motion is obtained under the following assumptions: (1) The probe is acted on only by the gravitational force of the launch planet, and (2) the oblateness effects of the launch planet are neglected.

The direction of the asymptote of the escape hyperbola is found by normalizing the hyperbolic-excess vector V_{hL} . The injection energy⁶ C_3 of the escape hyperbola is found by squaring the hyperbolic-excess speed, or

$$C_3 = V_{hL}^2 \quad (12)$$

Thus, in contrast to the heliocentric problem, the launch planet is now “massy,” while the influence of the Sun is neglected. However, the hyperbolic-excess velocity vectors found by solving the heliocentric problem are used as a starting point to solve the escape problem.

2. Size and Shape of the Escape Hyperbola

As previously stated, only some of the infinite number of escape trajectories are practical. Two of the practical aspects of a set of trajectories are the sizes and shapes of the hyperbolas.

Size is basically determined by the energy C_3 , which in turn is a function of boost vehicle capability. For boost vehicles in use (or shortly to be available) at this writing, values of energy less than or equal to $25 \text{ km}^2/\text{sec}^2$ are considered reasonable. The larger the value of energy that the booster is required to deliver, the smaller the payload and launch period over which the vehicle may be fired.

The shape of the hyperbola is determined by its eccentricity, which is a function of both the energy and perifocal distance according to

$$e = 1 + \frac{R_p C_3}{GM} \quad (13)$$

where R_p is the perifocal distance and GM is the universal gravitational constant times the mass of the launch planet. From Eq. (13) it can be seen that for a fixed perifocal distance the eccentricity increases linearly with the energy. The value of perifocal distance is not arbitrary, but depends strongly on the boost vehicle trajectory. It has been shown (Ref. 6) that in the great majority of cases it is necessary and desirable to use a circular parking orbit as part of the preinjection phase of the escape trajectory. It is further an interesting fact that the altitude of the parking orbit determines the perifocal distance. If h is the parking orbit altitude and R_0 is the launch planet's radius, then, to an extremely close degree of approximation,

$$R_p = R_0 + h \quad (14)$$

⁵The details of quadrant choice for these angles are found in Ref. 5.

⁶ C_3 is actually twice the total energy per unit mass, i.e., the *vis viva* integral.

with the constraint that the Z component of \mathbf{W} is always positive.

Since \mathbf{R}_L^1 is a function of time, according to the rotation rate of the launch planet, the planar orientation must continually change. In effect, this says that the launch azimuth is a continuous function of launch time.

A detailed description of the geometrical aspects of the launch planet ascent trajectory is not given here but may be found in Ref. 6.

C. Differential Corrections

The calculation of differential corrections for interplanetary trajectories may be accomplished in several ways and depends on choice of independent and dependent variables. In this report, a numerical differencing scheme is used. Basically, the independent variables—the injection energy C_3 , declination Φ_s , and right ascension Θ_s of the outgoing asymptote \mathbf{S} of the escape hyperbola—are varied, one at a time, to produce variations in the dependent variables—the components of the impact parameter \mathbf{B} and the time-of-flight T_F .

The impact parameter \mathbf{B} is defined as a vector originating at the center of the target planet and directed perpendicular to the incoming asymptote of the target-centered approach hyperbola (Fig. 5). The impact parameter \mathbf{B} is resolved into two components which lie in a

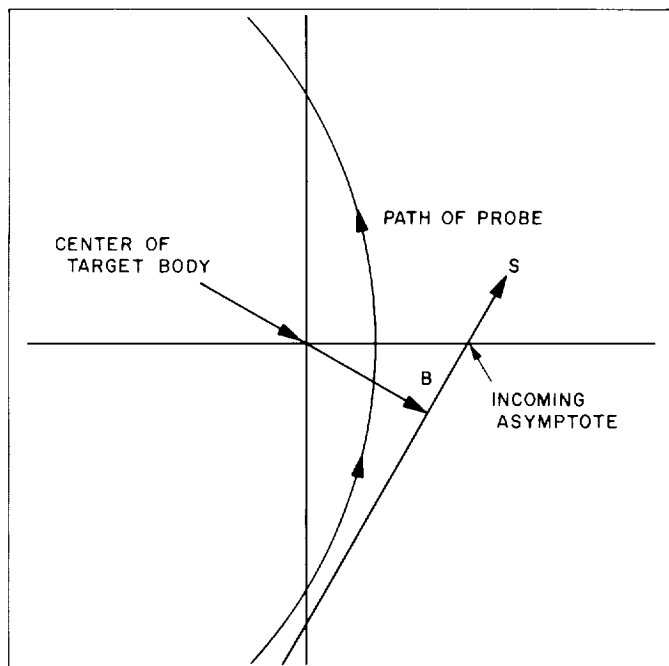


Fig. 5. Impact parameter \mathbf{B}

plane normal to the incoming asymptote \mathbf{S} . The orientations of the reference axes in this plane are arbitrary, but one is usually selected to lie in a fixed plane. Thus, define a unit vector \mathbf{T} , lying in the *ecliptic* plane according to

$$\mathbf{T} = \frac{\mathbf{S} \times \mathbf{K}'}{|\mathbf{S} \times \mathbf{K}'|} \quad (16)$$

where \mathbf{K}' is a unit normal vector to the ecliptic plane. The remaining axis is then given by a unit vector \mathbf{R} , defined by

$$\mathbf{R} = \mathbf{S} \times \mathbf{T} \quad (17)$$

Figure 6 illustrates the orientation of the \mathbf{R} , \mathbf{S} , \mathbf{T} target coordinates.

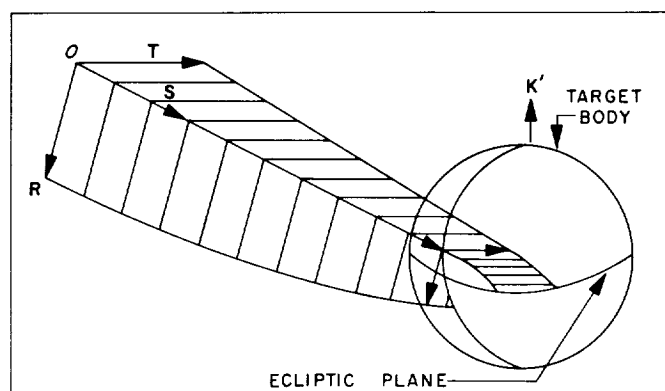


Fig. 6. The \mathbf{R} , \mathbf{S} , \mathbf{T} target coordinate system

The impact parameter \mathbf{B} lies in the \mathbf{R} - \mathbf{T} plane and has miss components $\mathbf{B} \cdot \mathbf{T}$ and $\mathbf{B} \cdot \mathbf{R}$. $\mathbf{B} \cdot \mathbf{T} = \mathbf{B} \cdot \mathbf{R} = 0$ denotes vertical impact on the target. Thus, $\mathbf{B} \cdot \mathbf{T}$, $\mathbf{B} \cdot \mathbf{R}$, and T_F are the three target-dependent variables. If Q_i represents a set of generalized independent variables, such as injection position and velocity or other convenient variables, then the partial derivatives $\partial \mathbf{B} \cdot \mathbf{T} / \partial Q_i$, $\partial \mathbf{B} \cdot \mathbf{R} / \partial Q_i$, $\partial T_F / \partial Q_i$ are first-order differential corrections or error coefficients relating miss at the target and flight time errors to the independent variables.

A convenient set of independent variables for interplanetary trajectories is the *vis viva* injection energy C_3 , the declination Φ_s , and the right ascension Θ_s of the asymptote of the escape hyperbola. These variables essentially describe the launch hyperbolic-excess velocity vector since

$$\mathbf{V}_{hL} = (C_3)^{1/2} (\cos \Phi_s \cos \Theta_s, \cos \Phi_s \sin \Theta_s, \sin \Phi_s) \quad (18)$$

As stated above, the differential corrections are calculated by a numerical differencing method which uses

quantities obtained from the conic trajectory. The basic idea is to compute a varied or perturbed trajectory and then difference it with the reference case. Let primed quantities denote variables on the perturbed trajectory. A small variation $\Delta \mathbf{V}_{hL}$ in the hyperbolic-excess velocity vector is equivalent to a small variation $\Delta \mathbf{V}_L$ in the launch heliocentric velocity vector. The launch heliocentric velocity on the perturbed trajectory is, then,

$$\mathbf{V}'_L = \mathbf{V}_L + \Delta \mathbf{V}_{hL} \quad (19)$$

where

$$\begin{aligned} \Delta \mathbf{V}_{hL} = & (C_3)^{1/2} \Delta \Phi_s [-\sin \Phi_s \cos \Theta_s, -\sin \Phi_s \sin \Theta_s, \cos \Phi_s] , \\ & (C_3)^{1/2} \Delta \Theta_s [-\cos \Phi_s \sin \Theta_s, \cos \Phi_s \cos \Theta_s, 0] , \\ & \frac{-\Delta C_3}{2(C_3)^{1/2}} [\cos \Phi_s \cos \Theta_s, \cos \Phi_s \sin \Theta_s, \sin \Phi_s] \end{aligned}$$

where $\Delta \Phi_s, \Delta \Theta_s$ are small angular variations (0.2 deg), and the energy variation is $\Delta C_3 = 0.005 C_3$.

The semimajor axis a' is obtained from

$$a' = \frac{R_L}{2 - \frac{V_L'^2 R_L}{GM_s}} \quad (20)$$

The radial rate \dot{R}'_L is

$$\dot{R}'_L = \frac{\mathbf{V}'_L \cdot \mathbf{R}_L}{R_L} \quad (21)$$

The semilatus rectum p' and eccentricity e' are

$$p' = \frac{R_L^2 (V_L'^2 - \dot{R}'_L^2)}{GM_s} \quad (22)$$

$$e' = \left(1 - \frac{p'}{a'}\right)^{1/2} \quad (23)$$

The eccentric anomaly at launch E'_L is

$$\begin{aligned} \sin E'_L &= \frac{R_L \dot{R}'_L}{e' (a' GM_s)^{1/2}} \\ \cos E'_L &= \frac{1}{e'} \left(1 - \frac{R_L}{a'}\right) \end{aligned} \quad (24)$$

The mean anomaly at launch M'_L is obtained from

$$M'_L = E'_L - e' \sin E'_L \quad (25)$$

The mean orbital rate n' is

$$n' = \frac{(GM_s)^{1/2}}{a'^{3/2}} \quad (26)$$

The mean anomaly at the target M'_p is

$$M'_p = n' T_F + M'_L \quad (27)$$

The eccentric anomaly at the target E'_p is obtained from the expansion

$$\begin{aligned} E'_p = E_p + & \left(\frac{1}{1 - e' \cos E_p} \right) \Delta M - \frac{1}{2} \left[\frac{e' \sin E_p}{(1 - e' \cos E_p)^3} \right] \Delta M^2 \\ & + \frac{1}{6} \left[\frac{3 e' \sin E_p)^2 - (1 - e' \cos E_p) (e' \cos E_p)}{(1 - e' \cos E_p)^5} \right] \Delta M^3 \end{aligned} \quad (28)$$

if

$$\cos E_p \geq 0$$

or

$$E'_p = E_p + \frac{e \cos E_p - 1 + \sqrt{(e \cos E_p - 1)^2 + (2e \sin E_p) \Delta M}}{e \sin E_p} \quad (29)$$

if

$$\cos E_p < 0$$

where

$$\Delta M = M'_p - (E_p - e' \sin E_p)$$

The true anomalies at launch and the target v'_L and v'_p are found from

$$\cos v'_L = \frac{p' - R_L}{e' R_L} \quad (30)$$

$$0 < v'_L < \pi \quad \text{if } \dot{R}'_L \text{ is positive}$$

$$\pi < v'_L < 2\pi \quad \text{if } \dot{R}'_L \text{ is negative}$$

$$\cos v'_p = \frac{\cos E'_p - e'}{1 - e' \cos E'_p} \quad (31)$$

$$\sin v'_p = \frac{(1 - e'^2)^{1/2} \sin E'_p}{1 - e' \cos E'_p}$$

The heliocentric central angle Ψ' is

$$\Psi' = v'_p - v'_L \quad (32)$$

The angular momentum \mathbf{h}' is

$$\mathbf{h}' = \mathbf{R}_L \times \mathbf{V}'_L \quad (33)$$

The heliocentric position vector at the target is

$$\mathbf{R}'_p = R'_p \left(\frac{\mathbf{R}_L}{R_L} \cos \Psi' + \frac{\mathbf{h}' \times \mathbf{R}_L}{h' R_L} \sin \Psi' \right) \quad (34)$$

where

$$R'_p = a' (1 - e' \cos E'_p) \quad (35)$$

A vector in the direction of perihelion with magnitude e' is

$$\boldsymbol{\varepsilon}' = \frac{\mathbf{V}'_L \times \mathbf{h}'}{GM_s} - \frac{\mathbf{R}_L}{R_L} \quad (36)$$

The heliocentric velocity at the target is

$$\mathbf{V}'_p = \frac{\mathbf{h}'}{p'} \times \left(\frac{\mathbf{R}'_p}{R_p} + \boldsymbol{\varepsilon}' \right) \quad (37)$$

The hyperbolic-excess velocity at the target is

$$\mathbf{V}'_{hp} = \mathbf{V}'_p - \mathbf{V}_z \quad (38)$$

The difference between the heliocentric position vectors on the perturbed and reference trajectories is

$$\Delta \mathbf{R}'_p = \mathbf{R}'_p - \mathbf{R}_p \quad (39)$$

The impact parameter \mathbf{B} is

$$\mathbf{B} = - \frac{(\Delta \mathbf{R}'_p \cdot \mathbf{V}'_{hp}) \mathbf{V}'_{hp}}{V'^2_{hp}} + \Delta \mathbf{R}'_p$$

The flight time error is

$$\Delta T_F = \frac{\Delta \mathbf{R}'_p \cdot \mathbf{V}'_{hp}}{V'^2_{hp}} \quad (40)$$

The partial derivatives are formed by dividing $\Delta \Theta_s$, $\Delta \Phi_s$, and ΔC_3 into the miss components $\mathbf{B} \cdot \mathbf{T}$, $\mathbf{B} \cdot \mathbf{R}$, and flight time error ΔT_F . In addition to the component partials, the quantity $\partial B / \partial Q_i$ is defined by

$$\frac{\partial B}{\partial Q_i} = \left[\left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial Q_i} \right)^2 + \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial Q_i} \right)^2 \right]^{1/2} \quad (41)$$

The three partials, $\partial B / \partial \Theta_s$, $\partial B / \partial \Phi_s$, $\partial B / \partial C_3$, are important measures of the error sensitivity of a trajectory.

The effect of uncertainty in the knowledge of the astronomical unit-to-kilometer conversion factor on target miss and flight time may be determined by the following formulae,

$$\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial au} = \frac{-2C_3}{au} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial C_3} \quad (42)$$

$$\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial au} = \frac{-2C_3}{au} \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial C_3}$$

from whence

$$\frac{\partial B}{\partial au} = \frac{2C_3}{au} \frac{\partial B}{\partial C_3} \quad (43)$$

and

$$\frac{\partial T_F}{\partial au} = \frac{-2C_3}{au} \frac{\partial T_F}{\partial C_3} \quad (44)$$

where au is the astronomical unit-to-kilometer conversion factor.

The effect of solar radiation pressure acting on the probe may also be evaluated as follows: In Eq. (19) let $\Delta \mathbf{V}_{hL} = 0$, but in Eq. (20), (22), (24), (26), (36), vary GM_s by adding an increment ΔGM_s . This procedure gives rise to a varied trajectory from which the impact parameter \mathbf{B} and flight time error ΔT_F may be obtained. The partials $\partial B / \partial GM_s$ and $\partial T_F / \partial GM_s$ may then be calculated. Since the acceleration caused by solar radiation pressure acts opposite to the gravitational attraction of the Sun, radiation pressure has the effect of decreasing the Sun's gravitational attraction, or decreasing GM_s . A decrease, $\Delta GM_s = -2.4 \times 10^6 \text{ km}^3/\text{sec}^2$ corresponds to the solar radiation pressure acting on a 300-kg spacecraft having a perfectly reflecting area of 3.6 square meters. Thus the miss, always being a positive number, is obtained by $\Delta B_{sp} = 2.4 \times 10^6 \partial B / \partial GM_s$, and the corresponding flight time error is $\Delta T_{Fsp} = -2.4 \times 10^6 \partial T_F / \partial GM_s$, which is sign sensitive.

D. Mid-Course Execution Accuracy

The effect of mid-course execution errors on target accuracy can be rather simply described if it is assumed that the guidance maneuver is made on the asymptote of the escape hyperbola and that the velocity errors are spherically distributed (that is, the three-dimensional statistical distribution of velocity errors is composed of three orthogonal, independent velocity errors, each with the same variance). The mapping of these errors to the target (Fig. 7) results in a three-dimensional ellipsoid of position errors, which is the "one-sigma ellipsoid." The semiaxes are the respective standard deviations of the position errors. As pointed out above, this ellipsoid can be thought of as the locus of target errors that results from a unit velocity error at the mid-course point tracing out a sphere.

Let the differential corrections discussed above be expressed in matrix form as

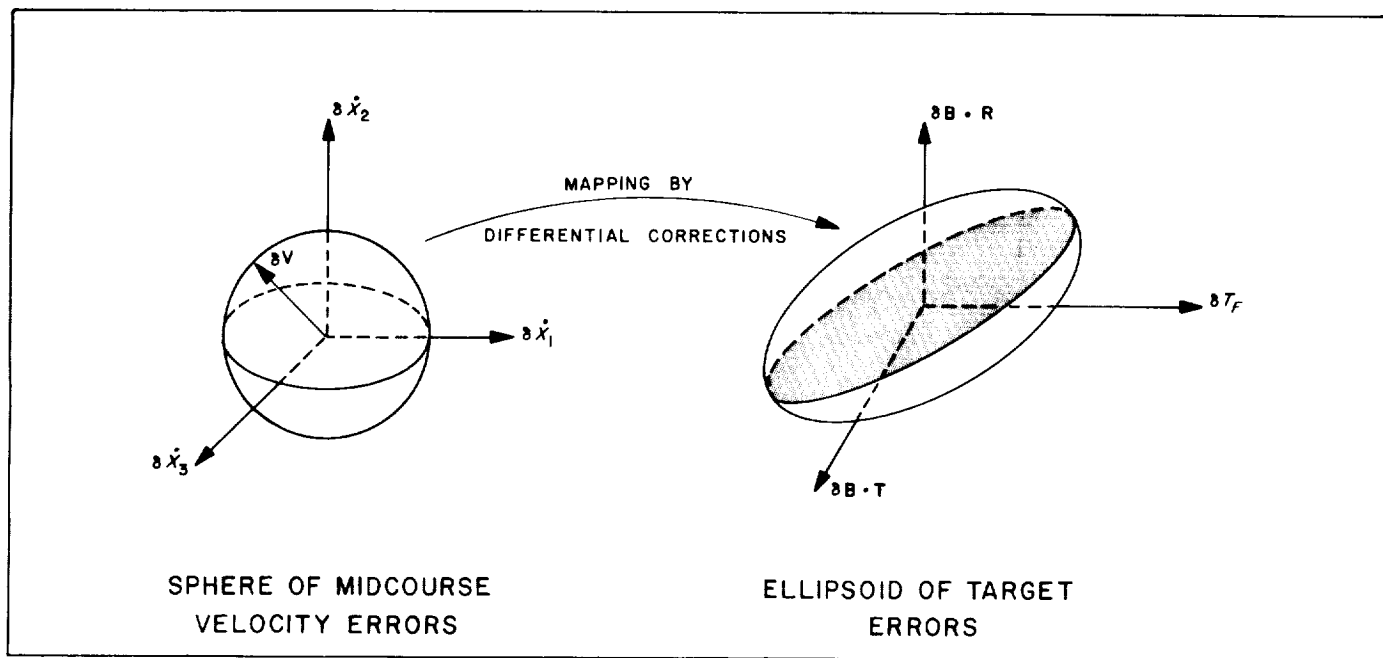


Fig. 7. The mapping of mid-course execution error

$$K = \begin{bmatrix} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Phi_N} & \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Theta_N} & \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial C_3} \\ \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Phi_N} & \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Theta_N} & \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial C_3} \\ \frac{\partial T_F}{\partial \Phi_N} & \frac{\partial T_F}{\partial \Theta_N} & \frac{\partial T_F}{\partial C_3} \end{bmatrix} \quad (45)$$

Now define a Cartesian coordinate system X_1, X_2, X_3 such that

$$\left. \begin{aligned} \delta \dot{X}_1 &= V_{hL} \delta \Phi_N \\ \delta \dot{X}_2 &= -(V_{hL} \cos \Phi_N) \delta \Theta_N \\ \delta \dot{X}_3 &= \delta V_{hL} = \frac{\delta C_3}{2V_{hL}} \end{aligned} \right\} \quad (46)$$

Then a new matrix F can be formed,

$$F = \begin{bmatrix} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \dot{X}_1} & \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \dot{X}_2} & \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \dot{X}_3} \\ \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \dot{X}_1} & \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \dot{X}_2} & \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \dot{X}_3} \\ \frac{\partial T_F}{\partial \dot{X}_1} & \frac{\partial T_F}{\partial \dot{X}_2} & \frac{\partial T_F}{\partial \dot{X}_3} \end{bmatrix} \quad (47)$$

where

$$\left. \begin{aligned} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \dot{X}_1} &= \frac{1}{V_{hL}} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Phi_N} \\ \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \dot{X}_2} &= \frac{-1}{V_{hL} \cos \Phi_N} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Theta_N} \\ \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \dot{X}_3} &= 2V_{hL} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial C_3} \\ \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \dot{X}_1} &= \frac{1}{V_{hL}} \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Phi_N} \\ \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \dot{X}_2} &= \frac{-1}{V_{hL} \cos \Phi_N} \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Theta_N} \\ \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \dot{X}_3} &= 2V_{hL} \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial C_3} \\ \frac{\partial T_F}{\partial \dot{X}_1} &= \frac{1}{V_{hL}} \frac{\partial T_F}{\partial \Phi_N} \\ \frac{\partial T_F}{\partial \dot{X}_2} &= \frac{-1}{V_{hL} \cos \Phi_N} \frac{\partial T_F}{\partial \Theta_N} \\ \frac{\partial T_F}{\partial \dot{X}_3} &= 2V_{hL} \frac{\partial T_F}{\partial C_3} \end{aligned} \right\} \quad (48)$$

Let the spherical distribution of midcourse velocity errors be described in the X_1, X_2, X_3 system as

$$\delta\dot{X}_1^2 + \delta\dot{X}_2^2 + \delta\dot{X}_3^2 = \sigma_v^2 \quad (49)$$

where σ_v will be taken equal to 0.1 meters/sec. The resultant one-sigma ellipsoid of target errors is described by the quadratic form,

$$\delta\mathbf{M} \Lambda^{-1} \delta\mathbf{M}^T = 1 \quad (50)$$

where

$$\Lambda = \sigma_v^2 \mathbf{F} \mathbf{F}^T = \begin{bmatrix} \lambda_{11} & \lambda_{12} & \lambda_{13} \\ & \lambda_{22} & \lambda_{23} \\ \text{symmetric} & & \lambda_{33} \end{bmatrix} \quad (51)$$

and

$$\delta\mathbf{M} = (\delta\mathbf{B} \cdot \mathbf{T}, \delta\mathbf{B} \cdot \mathbf{R}, \delta T_F)$$

The elements of the Λ matrix are:

$$\begin{aligned} \lambda_{11} &= \sigma_v^2 \left[\frac{1}{C_3} \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Phi_S} \right)^2 + \frac{1}{C_3 \cos^2 \Phi_S} \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Theta_S} \right)^2 + 4C_3 \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial C_3} \right)^2 \right] \\ \lambda_{12} &= \sigma_v^2 \left[\frac{1}{C_3} \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Phi_S} \right) \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Phi_S} \right) + \frac{1}{C_3 \cos^2 \Phi_S} \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Theta_S} \right) \times \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Theta_S} \right) + 4C_3 \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial C_3} \right) \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial C_3} \right) \right] \\ \lambda_{13} &= \sigma_v^2 \left[\frac{1}{C_3} \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Phi_S} \right) \left(\frac{\partial T_F}{\partial \Phi_S} \right) + \frac{1}{C_3 \cos^2 \Phi_S} \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Theta_S} \right) \left(\frac{\partial T_F}{\partial \Theta_S} \right) + 4C_3 \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial C_3} \right) \left(\frac{\partial T_F}{\partial C_3} \right) \right] \\ \lambda_{22} &= \sigma_v^2 \left[\frac{1}{C_3} \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Phi_S} \right)^2 + \frac{1}{C_3 \cos^2 \Phi_S} \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Theta_S} \right)^2 + 4C_3 \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial C_3} \right)^2 \right] \\ \lambda_{23} &= \sigma_v^2 \left[\frac{1}{C_3} \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Phi_S} \right) \left(\frac{\partial T_F}{\partial \Phi_S} \right) + \frac{1}{C_3 \cos^2 \Phi_S} \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Theta_S} \right) \left(\frac{\partial T_F}{\partial \Theta_S} \right) + 4C_3 \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial C_3} \right) \left(\frac{\partial T_F}{\partial C_3} \right) \right] \\ \lambda_{33} &= \sigma_v^2 \left[\frac{1}{C_3} \left(\frac{\partial T_F}{\partial \Phi_S} \right)^2 + \frac{1}{C_3 \cos^2 \Phi_S} \left(\frac{\partial T_F}{\partial \Theta_S} \right)^2 + 4C_3 \left(\frac{\partial T_F}{\partial C_3} \right)^2 \right] \end{aligned} \quad (52)$$

The quantities in the Λ matrix can be interpreted as standard deviations (sigmas) and correlation coefficients (rhos) according to

$$\left. \begin{aligned} \sigma_T &= (\lambda_{11})^{1/2} \\ \sigma_R &= (\lambda_{22})^{1/2} \\ \sigma_F &= (\lambda_{33})^{1/2} \\ \rho_{RT} &= \frac{\lambda_{12}}{(\lambda_{11} \lambda_{22})^{1/2}} \\ \rho_{TF} &= \frac{\lambda_{13}}{(\lambda_{11} \lambda_{33})^{1/2}} \\ \rho_{RF} &= \frac{\lambda_{23}}{(\lambda_{22} \lambda_{33})^{1/2}} \end{aligned} \right\} \quad (53)$$

Then the Λ matrix becomes

$$\Lambda = \begin{bmatrix} \sigma_T^2 & \rho_{RT} \sigma_R \sigma_T & \rho_{TF} \sigma_F \sigma_T \\ & \sigma_R^2 & \rho_{RF} \sigma_R \sigma_F \\ \text{symmetric} & & \sigma_F^2 \end{bmatrix} \quad (54)$$

It is often of interest when describing only miss components to consider

$$\sigma_B = (\sigma_R^2 + \sigma_T^2)^{1/2} \quad (55)$$

and to diagonalize the upper 2×2 portion of the Λ (the miss component elements) to get

$$\Lambda^* = \mathbf{L} \Lambda \mathbf{L}^T = \begin{bmatrix} \sigma_1^2 & 0 & \rho_{13} \sigma_1 \sigma_3 \\ & \sigma_2^2 & \rho_{23} \sigma_2 \sigma_3 \\ \text{symmetric} & & \sigma_3^2 \end{bmatrix} \quad (56)$$

where the matrix \mathbf{L} is given by

$$L = \begin{bmatrix} \cos \theta & \sin \theta & 0 \\ -\sin \theta & \cos \theta & 0 \\ 0 & 0 & 1 \end{bmatrix} \quad (57)$$

The angle θ is positive when turned counterclockwise from the T axis, and has been chosen such that $\sigma_1 \geq \sigma_2$. This is accomplished by

$$\theta = \frac{1}{2} \tan^{-1} \left[\frac{2\rho_{RT}}{\left(\frac{\sigma_T}{\sigma_R}\right) - \left(\frac{\sigma_R}{\sigma_T}\right)} \right] \quad (58)$$

where θ is in first quadrant if ρ_{RT} is positive and θ is in second quadrant if ρ_{RT} is negative. Notice that $\sigma_3 = \sigma_F$. The two-dimensional error ellipse described by σ_1 , σ_2 , and θ is the projection of all points of the three-dimensional ellipsoid of position errors (discussed in Section IIE) onto the T-R plane, as shown in Fig. 8.

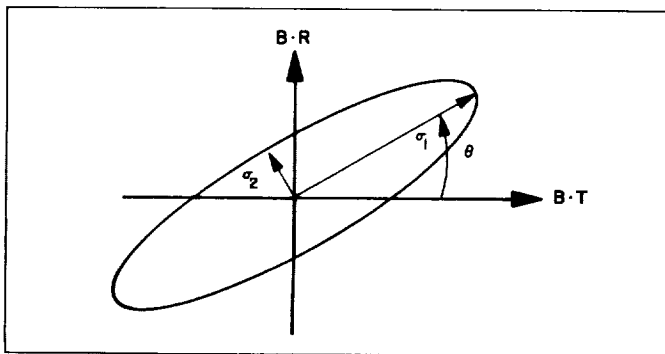


Fig. 8. Projection of three-dimensional error ellipsoid on the T-R plane

E. Orbit Determination Accuracy

In this section the analytic model used for describing orbit determination accuracy (tracking error) for interplanetary trajectories is discussed, and the factors upon which the tracking error depends are reviewed. The dominant error sources are defined for the easterly launchings from Cape Canaveral using tracking coverage supplied by NASA's Deep Space Instrumentation Facility (DSIF). Probable generalization to other situations is suggested. Finally, the method of describing target errors is presented along with all formulae relating the tracking errors to the target error parameters chosen.

1. Method of Describing Orbit Determination Accuracy

As discussed in Section IID, the uncertainties in our knowledge of an interplanetary trajectory are well described in terms of the direction and magnitude of the geocentric hyperbolic-excess velocity vector, V_{hL} . Figure 9 defines the right-handed Cartesian coordinate system we have adopted for describing uncertainties in V_{hL} . The X_3 axis is along V_{hL} ; the X_1 axis is in the direction of a positive differential change in asymptote declination ϕ_s ; and the X_2 axis completes the system.

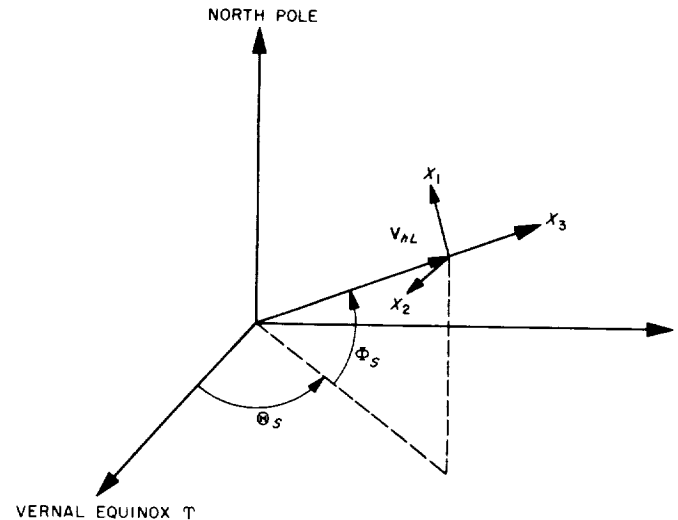


Fig. 9. Orientation of the X_i Cartesian coordinate system to describe uncertainties in the hyperbolic-excess velocity vector V_{hL}

Let $\dot{\mathbf{X}}$ represent the vector of velocity errors in the X_i system just described; $\dot{\mathbf{X}} = (\delta\dot{X}_1, \delta\dot{X}_2, \delta\dot{X}_3)^T$, where T indicates the transpose. The average of any function of $\dot{\mathbf{X}}$, $f(\dot{\mathbf{X}})$, over an ensemble of randomly generated tracking runs may assist in describing our statistical knowledge of $\dot{\mathbf{X}}$ based on tracking noise, station location, and physical constant uncertainties. The ensemble average is usually written $Ef(\dot{\mathbf{X}})$ or as $\tilde{f}(\dot{\mathbf{X}})$. When $\dot{\mathbf{X}}$ has a Gaussian (normal) probability density function, the distribution can be described completely by specifying $E\dot{\mathbf{X}}$ and $E[(\dot{\mathbf{X}} - \tilde{\dot{\mathbf{X}}})(\dot{\mathbf{X}} - \tilde{\dot{\mathbf{X}}})^T]$, the mean and covariance of $\dot{\mathbf{X}}$, respectively.

When all parameters influencing our knowledge of $\dot{\mathbf{X}}$ have been considered, $E\dot{\mathbf{X}}$ should be zero and then the description of our uncertainties in $\dot{\mathbf{X}}$ can be adequately given by Covar $\dot{\mathbf{X}}$, defined above. For convenience, the symbol $\Lambda_{\dot{\mathbf{X}}}$, for Covar $\dot{\mathbf{X}}$, is introduced.

$$\Lambda_{\dot{\mathbf{X}}} = \text{Covar } \dot{\mathbf{X}} = E \left[(\dot{\mathbf{X}} - \tilde{\dot{\mathbf{X}}})(\dot{\mathbf{X}} - \tilde{\dot{\mathbf{X}}})^T \right] \quad (59)$$

Note that

$$\Lambda_{\dot{\mathbf{X}}} = \begin{pmatrix} \overline{\delta\dot{\mathbf{X}}_1\delta\dot{\mathbf{X}}_1} & \overline{\delta\dot{\mathbf{X}}_1\delta\dot{\mathbf{X}}_2} & \overline{\delta\dot{\mathbf{X}}_1\delta\dot{\mathbf{X}}_3} \\ \overline{\delta\dot{\mathbf{X}}_2\delta\dot{\mathbf{X}}_1} & \overline{\delta\dot{\mathbf{X}}_2\delta\dot{\mathbf{X}}_2} & \overline{\delta\dot{\mathbf{X}}_2\delta\dot{\mathbf{X}}_3} \\ \overline{\delta\dot{\mathbf{X}}_3\delta\dot{\mathbf{X}}_1} & \overline{\delta\dot{\mathbf{X}}_3\delta\dot{\mathbf{X}}_2} & \overline{\delta\dot{\mathbf{X}}_3\delta\dot{\mathbf{X}}_3} \end{pmatrix} \quad (60)$$

is a 3×3 real symmetric matrix. The diagonal terms are the variances of the three components, and the off-diagonal terms measure the correlation between the three components.

Before describing how $\Lambda_{\dot{\mathbf{X}}}$ has been "mapped" into target error uncertainties, a discussion is given of the dependence of $\Lambda_{\dot{\mathbf{X}}}$ upon the relevant factors describing near-Earth tracking as well as the typical errors assumed in preparing the estimates given in this report.

2. Accuracy of Near-Earth Tracking

By expressing the accuracy of near-Earth tracking in terms of $\dot{\mathbf{X}}$ and its associated covariance $\Lambda_{\dot{\mathbf{X}}}$, the dependence upon almost all trajectory parameters has been eliminated. The remaining relevant trajectory parameters are listed in Table 1.

Table 1. Trajectory parameters influencing tracking accuracy

1. Launch site	
2. Launch azimuth Σ_L	Depends on launch time.
3. Injection region	Depends on time in parking orbit; short or long coast less than 1 revolution is current practice.
4. Declination of \mathbf{V}_{HL} , Φ_N	Depends on target position at arrival date and injection energy, C_3 .
5. Magnitude of $\mathbf{V}_{HL} = V_{HL} = (C_3)^{1/2}$	

Note the limited number of trajectory parameters on which $\Lambda_{\dot{\mathbf{X}}}$ depends. Table 2 summarizes the key tracking station parameters which influence accuracy in the geocentric tracking phase.

The first three factors listed in Table 2 define the tracking configuration, whereas the last three are station performance factors. Usually, tracking accuracy studies are carried out with the tracking configuration relatively fixed, and the influence of the station performance factors are determined.

The final source of tracking error is uncertainty in physical constants. The influence of GM-Earth errors is somewhat smaller than the above-mentioned errors and should be reduced to negligible contribution in the next two years. Sections IIC and IIIC describe how the uncertainty in the astronomical unit affects the target error; this error

Table 2. Tracking station parameters influencing tracking accuracy

1. Station locations	A spread of latitudes is very desirable.
2. Total tracking time	
3. Tracking data types	Range R , range rate \dot{R} , and angles are most commonly taken.
4. Delay in acquiring first data	Delay is measured from the injection region as well as station acquisition delays.
5. Tracking data accuracies	Expressed in terms of equivalent uncorrelated noise at a given sampling rate.
6. Uncertainty in tracking	Important when high data accuracies are available. Longitude errors usually are most important.

can be important for very long flights, but should also be reduced to a negligible contribution in the next two years. Errors in the target's mass cause minor variations in flight time T_F and negligible effect on \mathbf{B} . The last important target error source currently recognized is the uncertainty in the effect of the standard solar radiation pressure on spacecraft trajectory. The source of uncertainty is that effective reflecting area (largely solar panels) is not perfectly known. Techniques for the accurate measurement of this quantity are currently under development. Our studies show that unless this error is held below 5% it will be the dominant error source on many of our flights. Sections IIC and IIIC describe the calculation of the standard solar radiation pressure on a typical spacecraft deriving electrical power from the Sun.

The tracking accuracies reported here are representative of those available from tracking with the DSIF stations in South Africa, Australia, and the United States. Launch azimuths between 90 and 114 deg east of north were considered. Data accuracies of 0.02 m/sec in \dot{R} and 0.05 deg in angle sampled every 10 minutes were assumed; no range measurements were assumed. Station location errors were assumed to be uncorrelated with standard deviations of 0.001 deg in latitude, 0.0005 deg in longitude, and 30 meters in radius. Each station was allowed 10 minutes to acquire the spacecraft transponder, and tracking was simulated in the first 24 hours so that at least one pass was available to each station. The transfer of transmitting assignment from one station to another (simultaneous transmission was not allowed) followed a pattern which has been found to be near-optimum.

The $\Lambda_{\dot{\mathbf{X}}}$ matrix used in these calculations was assumed to be independent of the trajectory parameters listed in Table 1. This approximation is good for the range of energies and asymptotic declinations considered to be

most feasible. In the future these approximations will be refined as necessary. The $\Lambda_{\dot{\mathbf{x}}}$ used for orbit determination accuracy in this report is given in Section IIIE. The target accuracies calculated here are typical for any reasonable multistation tracking configuration, with the data types and accuracies corresponding to this conservative representation of DSIF capabilities.

3. Calculation of Target Errors

The representation of tracking accuracy in the geocentric phase in terms of $\Lambda_{\dot{\mathbf{x}}}$, the covariance of the \mathbf{V}_{hL} in a particular rectangular coordinate system, was developed earlier in this section. In order to express the effect of these uncertainties in \mathbf{V}_{hL} in terms of target error, two steps must be performed. First, a set of coordinates \mathbf{M}_1 at the target planet for expressing the errors (\mathbf{M}_1 cannot exceed 3 dimensions) must be chosen. (A convenient set with desirable linearity properties is the **T-R-S** system defined previously.) The matrix U_1 , which maps $\dot{\mathbf{x}}$ to the desired \mathbf{M}_1 , is then determined.

$$\mathbf{M}_1 = U_1 \dot{\mathbf{x}} = \begin{pmatrix} \delta \mathbf{B} \cdot \mathbf{T} \\ \delta \mathbf{B} \cdot \mathbf{R} \\ \delta S \end{pmatrix} \quad (61)$$

The covariance of \mathbf{M}_1 is given by

$$\text{Covar}[\mathbf{M}_1] = \widetilde{\mathbf{M}_1} \mathbf{M}_1^T = U_1 \Lambda_{\dot{\mathbf{x}}} U_1^T = \Lambda_{\mathbf{M}_1} \quad (62)$$

The determination of U_1 for the coordinates chosen follows the lines of Section IID. It is presumed that the K -matrix is given, where

$$K = \begin{bmatrix} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Phi_S} & \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Theta_S} & \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial C_3} \\ \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Phi_S} & \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Theta_S} & \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial C_3} \\ \frac{\partial T_F}{\partial \Phi_S} & \frac{\partial T_F}{\partial \Theta_S} & \frac{\partial T_F}{\partial C_3} \end{bmatrix} \quad (45)$$

By postmultiplying K by

$$A = \begin{bmatrix} \frac{1}{V_{hL}} & 0 & 0 \\ 0 & \frac{-1}{V_{hL} \cos \Phi_S} & 0 \\ 0 & 0 & 2V_{hL} \end{bmatrix} \quad (63)$$

the F matrix is obtained.

$$F = KA \quad (47)$$

The F matrix must now be adjusted to transform into the **T-R-S** coordinates used for \mathbf{M}_1 . This transformation B is simply

$$B = \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & -V_{hp} \end{bmatrix} \quad (64)$$

since $\delta S = -V_{hp} \delta T_L$. Thus our U_1 matrix is given by

$$U_1 = B(KA) = BF \quad (65)$$

Now the mapping given in Eq. (62) to obtain $\Lambda_{\mathbf{M}_1}$ is applied. Since all of the coordinates of \mathbf{M}_1 have the same dimensions (length squared), the one-sigma ellipsoid described by the quadratic form

$$\delta \mathbf{M}_1 \Lambda_{\mathbf{M}_1}^{-1} \delta \mathbf{M}_1^T = 1 \quad (66)$$

has physical significance. The three principal axes of this ellipsoid are the square roots of the 3-eigenvalues of the $\Lambda_{\mathbf{M}_1}$ matrix. The formulas used are standard and are not reproduced here. The projection of the three-dimensional ellipsoid on to the **T-R** plane is an ellipse. Its major and minor semiaxes and orientation of the major axis are calculated by the same procedure used in Section IID. It is often convenient to write $\Lambda_{\mathbf{M}_1}$ in an alternate form:

$$\Lambda_{\mathbf{M}_1} = \begin{bmatrix} \sigma_T^2 & \rho_{RT} \sigma_T \sigma_R & \rho_{TS} \sigma_T \sigma_S \\ \rho_{RT} \sigma_R \sigma_T & \sigma_R^2 & \rho_{RS} \sigma_R \sigma_S \\ \rho_{TS} \sigma_S \sigma_T & \rho_{RS} \sigma_S \sigma_R & \sigma_S^2 \end{bmatrix} \quad (67)$$

It can be seen that $\Lambda_{\mathbf{M}_1}$ is completely described by σ_T , σ_R , σ_S , ρ_{TS} , ρ_{RS} , ρ_{TR} , because of its symmetry.

III. EXPLANATION OF TRAJECTORY TABLES

Tabular listings of pertinent quantities of the heliocentric and planetocentric trajectories, differential corrections, guidance, and orbit determination parameters are given at 1-day launch date intervals and 2-day flight time intervals over the selected launch period. The launch period is selected to encompass the minimum energy transfer dates obtained from Ref. 7 and 8. A summary of the characteristics of these trajectories is given in Ref. 7.

Each trajectory begins with a header giving launch date, flight time (in days), and arrival date. All the heliocentric transfer trajectories are calculated assuming launch into the heliocentric orbit at 0 hours of the launch date and arrival at 0 hours of the arrival date. Later, however, when the launch-planet ascent trajectories are computed, the actual launch times during the launch day for each launch azimuth are given.

Each page lists four trajectories, each of which is divided into five basic print groups: HELIOCENTRIC CONIC, PLANETOCENTRIC CONIC, DIFFERENTIAL CORRECTIONS, MID-COURSE EXECUTION ACCURACY, and ORBIT DETERMINATION ACCURACY. Each quantity is assigned an identifying alphabetic symbol of no more than three letters. The definitions of the symbols and quantities they represent are given below. All pertinent quantities are referenced to the mean equinox and equator, or ecliptic, of *launch* date.

A. Heliocentric Conic Group

The HELIOCENTRIC CONIC group gives the characteristics of the heliocentric transfer ellipse, such as the position and velocity vectors at launch and arrival, some orbital elements, and other quantities of engineering interest. The printout array is as follows:

HELIOCENTRIC CONIC	DISTANCE
RL LAL LOL VL GAL AZL HCA SMA ECC INC V1	
RP LAP LOP VP GAP AZP TAL TAP RCA APO V2	
RC GL GP ZAL ZAP ETS ZAE ETE ZAC ETC CLP	

After the words HELIOCENTRIC CONIC, the heliocentric arc DISTANCE traveled by the spacecraft from launch to arrival is printed. The quantities are defined as follows (all angles are in deg; distances are in millions of km; speeds are in km/sec):

Line 1	
RL, $R_L = \mathbf{R}_L $	the heliocentric radius of the launch planet at 0 hours of the launch date.
LAL, β_L	the celestial latitude of the launch planet at 0 hours of the launch date.
LOL, λ_L	the celestial longitude of the launch planet at 0 hours of the launch date.
VL, $V_L = \mathbf{V}_L $	the heliocentric speed of the probe at 0 hours of the launch date.
GAL, Γ_L	the path angle of the probe at 0 hours of the launch date, i.e., the complement of the angle between the position and velocity vectors, \mathbf{R}_L and \mathbf{V}_L , defined by

$$\sin \Gamma_L = \frac{\mathbf{R}_L \cdot \mathbf{V}_L}{R_L V_L} \quad -\frac{\pi}{2} \leq \Gamma_L \leq \frac{\pi}{2}$$

AZL, Σ_L	the azimuth angle of the probe at 0 hours of the launch date, i.e., the angle, measured in a plane perpendicular to the radius vector \mathbf{R}_L , between the projection of the ecliptic north and the projection of the velocity vector \mathbf{V}_L on the plane perpendicular to \mathbf{R}_L , defined by
-----------------	--

$$\cos \Sigma_L = \frac{\mathbf{V}_L \cdot \Psi^1}{V_L \cos \Gamma_L} \quad 0 \leq \Sigma_L \leq 2\pi$$

$$\sin \Sigma_L = \frac{(\mathbf{R}_L \times \mathbf{V}_L) \cdot \Psi^1}{|\mathbf{R}_L \times \mathbf{V}_L|}$$

where $\Psi^1 = (\mathbf{K}' - \mathbf{R}_L^1 \sin \beta_L) \sec \beta_L$, where the superscript 1 denotes a unit vector.

HCA, ψ	the heliocentric central angle, or angle between the position vector \mathbf{R}_L , of the launch planet at 0 hours of the launch date and the position vector \mathbf{R}_p , of the target planet at 0 hours of the arrival date. This angle is defined by Eq. (3) and (4) and illustrated in Fig. 1.
SMA, a	the semimajor axis of the heliocentric transfer ellipse.

ECC, e	the eccentricity of the heliocentric transfer ellipse.	GL, γ_L	the angle between the launch hyperbolic-excess velocity vector V_{hL} and its projection on the orbital plane of the launch planet, defined by
INC, i	the inclination of the heliocentric transfer ellipse.		
V1, $V_1 = V_1 $	the heliocentric speed of the launch planet at 0 hours of the launch date.		$\sin \gamma_L = \frac{W_1 \cdot V_{hL}}{V_{hL}} \quad -\frac{\pi}{2} \leq \gamma_L \leq \frac{\pi}{2}$
Line 2			where W_1 is a unit normal to the launch planet's orbital plane. This angle is useful in describing the direction in which the probe leaves the launch planet.
RP, $R_p = R_p $	the heliocentric radius of the target planet at 0 hours of the arrival date.		
LAP, β_p	the celestial latitude of the target planet at 0 hours of the arrival date.		
LOP, λ_p	the celestial longitude of the target planet at 0 hours of the arrival date.	GP, γ_p	the angle between the incoming arrival hyperbolic-excess velocity vector V_{hp} , and its projection on the target planet's orbital plane, defined by
VP, $V_p = V_p $	the heliocentric speed of the probe at 0 hours of the arrival date.		$\sin \gamma_p = \frac{W_2 \cdot V_{hp}}{V_{hp}} \quad -\frac{\pi}{2} \leq \gamma_p \leq \frac{\pi}{2}$
GAP, Γ_p	the path angle of the probe at 0 hours of the arrival date, defined the same as Γ_L except that R_p and V_p are substituted for R_L and V_L .		where W_2 is a unit normal to the target planet's orbital plane. This angle is useful in determining whether the probe is approaching from above or below the target planet. If γ_p is positive, the probe approaches from below —if negative, from above.
AZP, Σ_p	the azimuth angle of the probe at 0 hours of the arrival date, defined the same as Σ_L except that R_p and V_p are substituted for R_L and V_L .		
TAL, v_L	the true anomaly of the probe in the heliocentric transfer ellipse at 0 hours of the launch date.	ZAL, ζ_L	the angle between the outgoing launch asymptote (or hyperbolic-excess velocity vector) and the launch <i>heliocentric</i> radius vector R_L at launch time. This is the Sun-launch-planet-probe angle and is a good approximation to the launch-planet-probe-Sun angle as the probe leaves the launch planet. It is an important quantity in the design of attitude control systems which use the Sun and launch planet as optical references. The quantity ζ_L is defined as follows:
TAP, v_p	the true anomaly of the probe in the heliocentric transfer ellipse at 0 hours of the arrival date.		$\cos \zeta_L = \frac{V_{hL} \cdot R_L^1}{V_{hL}} \quad 0 \leq \zeta_L \leq \pi$
RCA, R_{cA}	the perihelion distance of the heliocentric transfer ellipse. This distance is printed even though the probe may not transit perihelion.		
APO, R_A	the aphelion distance of the heliocentric transfer ellipse. This distance is printed even though the probe may not transit aphelion.		
V2, $V_2 = V_2 $	the heliocentric speed of the target planet at 0 hours of the arrival date.		
Line 3			The next six quantities, all angles, have the same general definition. They are important in the design of the near-target trajectory and are used in determining the aiming point for interplanetary flyby trajectories. Consider the target-centered geometry of Fig. 10.
RC, R_c	the communication distance, or distance between the launch and target planets at 0 hours of the arrival date.		

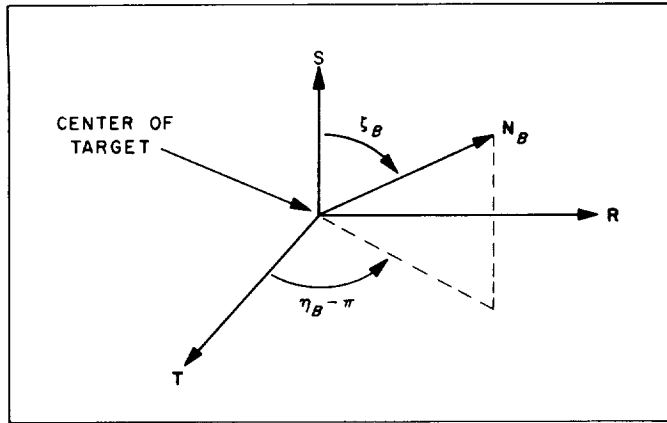


Fig. 10. Generalized geometry for aiming point angles

In this diagram, the reference coordinate system is the same target R, S, T system defined in Section IIC. A unit vector N_B (subscript B for body) is directed from the target center to another celestial body. The angular quantity ζ_B is the angle subtended at the target center between the incoming asymptote S and the target-celestial body line N_B . Thus

$$\cos \zeta_B = S \cdot N_B = \frac{V_{hp} \cdot N_B}{V_{hp}} \quad 0 \leq \zeta_B \leq \pi$$

since

$$S = \frac{V_{hp}}{V_{hp}}$$

The angle η_B is the supplement of the angle between the T direction and the projection of N_B on the $R - T$ plane, defined by

$$\sin \eta_B = \frac{-R \cdot N_B}{\sin \zeta_B} \quad 0 \leq \eta_B \leq 2\pi$$

$$\cos \eta_B = \frac{-T \cdot N_B}{\sin \zeta_B}$$

These quantities are computed for three celestial bodies: the Sun (ζ_S and η_S), the Earth (ζ_E and η_E), and the star Canopus (ζ_C and η_C). Thus,

ZAP, ζ_S (or ζ_p) the Sun-target-probe angle. Actually, this angle should be symbolized ZAS, but, for historical reasons, is not. This angle is useful in that it indicates the direction of the probe's approach to

the target. If $\zeta_S < \pi/2$, the probe approaches from the target planet's dark side. If $\zeta_S > \pi/2$, it approaches from the light side.

ETS, η_S

defined as above.

ZAE, ζ_E

the Earth-target-probe angle. This angle is useful in locating the Earth as the probe approaches the target.

ETE, η_E

defined as above.

ZAC, ζ_C

the Canopus-target-probe angle.

ETC, η_C

defined as above.

CLP, σ_p

the angle between the projection of the incoming asymptote S on the target planet's orbital plane and the target-Sun line at arrival time, defined by

$$\cos \sigma_p = -R_p^1 \cdot S_{pr} \quad -\pi \leq \sigma_p \leq \pi$$

$$\sin \sigma_p = -S_{pr} \cdot (W_2 \times R_p^1)$$

where S_{pr} is the projection of S on the target's orbital plane given by

$$S_{pr} = \frac{S - W_2 (S \cdot W_2)}{|S - W_2 (S \cdot W_2)|}$$

Recall that W_2 is the unit normal vector to the target's orbital plane. This angle is illustrated in Fig. 11.

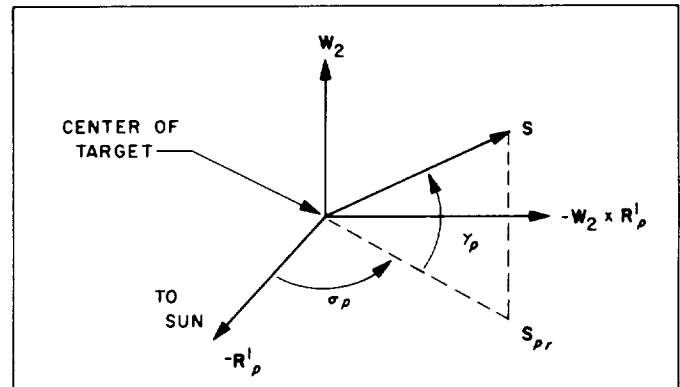


Fig. 11. Definition of σ_p and γ_p

B. Planetocentric Conic Group

The second group, PLANETOCENTRIC CONIC, gives the characteristics of primarily the launch-planet ascent trajectories, but also includes the hyperbolic-excess vector at the target. Injection conditions are given for three launch azimuths, assuming both short and long parking orbits. As explained in Ref. 6, there may be two launch times per day for each launch azimuth, resulting in a short and long parking orbit. The injection conditions for each set are given in geocentric space-fixed spherical coordinates and, by assuming a 100-nm parking orbit altitude and typical boost vehicle trajectory characteristics, the longitude of injection is calculated, along with the latitude and longitude of ignition of final burn out of the parking orbit.

A special case may arise when the declination of the outgoing asymptote of the escape hyperbola is greater than the launch site latitude (Cape Canaveral). In this case, owing to geometrical restrictions, it may not be possible to fire in a symmetrical band of azimuths about due east, as explained in Ref. 6. This band of restricted azimuths may eliminate part or all of the selected launch azimuths, 90, 100, and 110 deg. When this happens, only those trajectories with permissible azimuths are printed, in addition to the limiting azimuths, or the most northerly and southerly azimuths, that are possible.

The ascent trajectory profile is as shown in Fig. 12. Its characteristics are defined as follows:

- Φ_1 the arc subtended at Earth's center during ascent from launch into parking orbit.
- t_1 the time from launch to parking-orbit injection.
- Φ_2 the arc subtended at Earth's center during final burn out of the parking orbit, to injection.
- t_2 the time of final burn.
- $k_{\dot{\Phi}}$ the inverse parking orbital rate, equal to $1/\dot{\Phi}_c$.
- v_1 the true anomaly in the hyperbolic orbit at injection.
- R_p the perifocal distance of the escape hyperbola, taken equal to the Earth-centered radius of the parking orbit.

ϕ_L the longitude of the launch site.

θ_L the latitude of the launch site.

The values of these quantities for all trajectories contained herein are:

$$\Phi_1 = 17 \text{ deg}$$

$$t_1 = 500 \text{ sec}$$

$$\Phi_2 = 8 \text{ deg}$$

$$t_2 = 100 \text{ sec}$$

$$k_{\dot{\Phi}} = 14.689 \text{ sec/deg}$$

$$v_1 = 3.7 \text{ deg}$$

$$R_p = 6560 \text{ km}$$

$$\phi_L = 28.317 \text{ deg}$$

$$\theta_L = 279.457 \text{ deg}$$

An inherent assumption here is that these quantities are relatively invariant with injection energy. This is a reasonable assumption and will affect the injection coordinates only slightly.

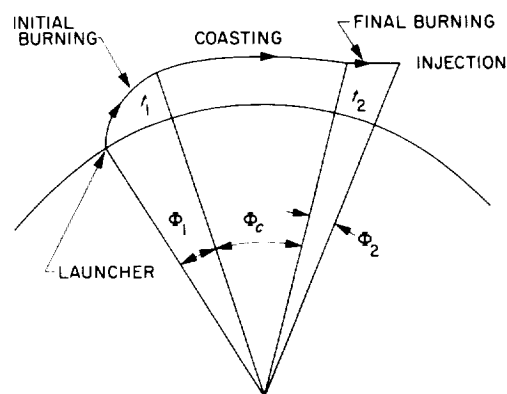


Fig. 12. Ascent trajectory profile

The print array for the PLANETOCENTRIC CONIC group is:

C3	VHL	DLA	RAL	RAD	VEL	PTH	VHP	DPA	RAP	ECC
LNCH AZMTH	LNCH TIME	L-I TIME	INJ LAT	INJ LONG	INJ RT ASC	INJ AZMTH	INJ TIME	PO CST TIM	INJ 2 LAT	INJ 2 LONG

The quantities are defined as follows (all angles are in deg; distances are in km; speeds are in km/sec, launch-injection (L-I) time and parking orbit coast time (PO CST TIM) are in sec; launch time and injection time are in hr, min, and sec, GMT):

Line 1

C3, C_3	the <i>vis viva</i> integral (Moulton), or twice the total energy per unit mass, expressed in km^2/sec^2 and defined by $C_3 = V_{hL}^2$.
VHL, V_{hL}	the launch hyperbolic-excess speed.
DLA, Φ_s	the declination of the outgoing asymptote of the escape hyperbola defined in Eq. (18).
RAL, Θ_s	the right ascension of the outgoing asymptote of the escape hyperbola defined in Eq. (18).
RAD, $R = \mathbf{R} $	the launch-planet-centered injection radius.
VEL, $V = \mathbf{V} $	the inertial injection speed.
PTH, Γ	the injection path angle defined by $\sin \Gamma = \frac{\mathbf{V} \cdot \mathbf{R}}{VR} \quad -\frac{\pi}{2} \leq \Gamma \leq \frac{\pi}{2}$
VHP, V_{hp}	the hyperbolic-excess speed at the target.
DPA, Φ_{sp}	the declination of the incoming asymptote at the target. The reference coordinate system here is vernal equinox, Earth equatorial, mean of <i>launch</i> date
RAP, Θ_{sp}	the right ascension of the incoming asymptote at the target. Same reference coordinates as for Φ_{sp} .
ECC, e	the eccentricity of the escape hyperbola.

Line 2

LNCH AZMTH, Σ_L	the launch azimuth measured in a plane tangent to the surface of the launch planet at the launch site, positive east of true north.
LNCH TIME, T_L	the launch time. For the range of launch azimuths given herein, launch time may cross 0 hours,

or midnight. In this case, the launch date may be advanced to the following day for times after midnight, or it may be retarded to the previous day for times before midnight, whichever the reader wishes.

L-I TIME, t_{LI}	the launch-to-injection time.
INJ LAT, ϕ	the injection latitude (or declination Φ).
INJ LONG, θ	the injection longitude, measured positive east of Greenwich, $0 \leq \theta \leq 2\pi$.
INJ RT ASC, Θ	the injection right ascension.
INJ AZMTH, Σ	the injection azimuth, or angle between the projection of the velocity vector \mathbf{V} , on the local horizontal plane and the projection of true north on this plane, measured positive east of true north.
INJ TIME, T_I	the injection time. The same comment applies to this quantity regarding launch date as applied to the launch time. However, both times must be consistent. For example, if launch time is on the previous day, injection time may fall on the launch date shown, or it may be on the following day.
PO CST TIM, t_c	the coast time in the parking orbit, in sec.
INJ 2 LAT, ϕ_2	the latitude of the start of final burn out of the parking orbit.
INJ 2 LONG, θ_2	the longitude of the start of final burn out of the parking orbit, $0 \leq \theta_2 \leq 2\pi$.

The quantities T_I , R , Φ , Θ , V , Γ , Σ form a consistent set of injection conditions; i.e., they are the time and the space-fixed spherical coordinates which can be used to initialize an integrating trajectory program.

C. Differential Corrections Group

The DIFFERENTIAL CORRECTIONS group is comprised of sixteen error coefficients relating variations in

injection energy C_3 , declination Φ_s , and right ascension Θ_s , of the outgoing asymptote of the escape hyperbola, the astronomical unit, and solar radiation pressure to variations in the miss components $\mathbf{B} \cdot \mathbf{T}$, $\mathbf{B} \cdot \mathbf{R}$, and the flight time. These coefficients are very useful in gaging the error sensitivity of an interplanetary trajectory. The printout array for this group is as follows:

DIFFERENTIAL CORRECTIONS

TDE	TRA	TC3	BAU
RDE	RRA	RC3	FAU
FDE	FRA	FC3	BSP
BDE	BRA	BC3	FSP

The symbols are defined as follows:

Line 1

TDE, $\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Phi_s}$	the partial derivative of the \mathbf{T} component of the impact parameter \mathbf{B} , with respect to the declination of the launch escape asymptote Φ_s , in megakilometers/deg.
TRA, $\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Theta_s}$	the partial derivative of the \mathbf{T} component of the impact parameter \mathbf{B} , with respect to the right ascension of the launch escape asymptote Θ_s , in megakilometers/deg.
TC3, $\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial C_3}$	the partial derivative of the \mathbf{T} component of the impact parameter \mathbf{B} , with respect to the injection energy C_3 , in megakilometers/km ² /sec ² .
BAU, $\frac{\partial \mathbf{B}}{\partial au}$	the partial derivative of the magnitude of the impact parameter \mathbf{B} , with respect to the astronomical unit-to-kilometer conversion factor. This derivative is dimensionless and indicates the target miss caused by an uncertainty in the value of the astronomical unit.

Line 2

RDE, $\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Phi_s}$	the partial derivative of the \mathbf{R} component of the impact parameter \mathbf{B} , with respect to the declination of the launch escape asymptote Φ_s , in megakilometers/deg.
RRA, $\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Theta_s}$	the partial derivative of the \mathbf{R} component of the impact parameter \mathbf{B} , with respect to the right ascension of the launch

escape asymptote Θ_s , in megakilometers/deg.

RC3, $\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial C_3}$ the partial derivative of the \mathbf{R} component of the impact parameter \mathbf{B} , with respect to the injection energy C_3 , in megakilometers/km²/sec².

FAU, $\frac{\partial T_F}{\partial au}$ the partial derivative of the flight time T_F , with respect to the astronomical unit-to-kilometer conversion factor. This derivative has dimensions of sec/km and indicates the error in flight time caused by an uncertainty in the value of the astronomical unit.

Line 3

FDE, $\frac{\partial T_F}{\partial \Phi_s}$	the partial derivative of flight time T_F , with respect to the declination of the launch escape asymptote Φ_s , in days/deg.
FRA, $\frac{\partial T_F}{\partial \Theta_s}$	the partial derivative of flight time T_F , with respect to the right ascension of the launch escape asymptote Θ_s , in days/deg.
FC3, $\frac{\partial T_F}{\partial C_3}$	the partial derivative of flight time T_F , with respect to the injection energy C_3 , in days/km ² /sec ² .
BSP, ΔB_{sp}	the target miss (in km) caused by solar radiation pressure acting on a 300-kg spacecraft having an effective perfectly reflecting area of 3.6 square meters.

Line 4

BDE, $\frac{\partial \mathbf{B}}{\partial \Phi_s}$	the partial derivative of the magnitude of the impact parameter \mathbf{B} , with respect to the declination of the launch escape asymptote Φ_s , in megakilometers/deg.
BRA, $\frac{\partial \mathbf{B}}{\partial \Theta_s}$	the partial derivative of the magnitude of the impact parameter \mathbf{B} , with respect to the right ascension of the launch escape asymptote Θ_s , in megakilometers/deg.
BC3, $\frac{\partial \mathbf{B}}{\partial C_3}$	the partial derivative of the magnitude of the impact parameter \mathbf{B} , with respect to the injection energy C_3 , in megakilometers/km ² /sec ² .
FSP, ΔT_{Fsp}	the flight time error (in sec) caused by solar radiation pressure acting on a 300-kg spacecraft having an effective perfectly reflecting area of 3.6 square meters.

D. Mid-Course Execution Accuracy Group

The MID-COURSE EXECUTION ACCURACY group gives the parameters of the "one-sigma" three-dimensional ellipsoid of target errors, resulting from a spherically distributed mid-course guidance execution error with σ_v equal to 0.1 m/sec (see Eq. 49). It is assumed here that a single mid-course guidance maneuver is applied during the time the spacecraft is essentially traveling radially outward from the launch planet. This time is approximately from several hours to several days after launch and is a practical period in which to perform a mid-course maneuver. These quantities are quoted in the useful **R, S, T** coordinate system discussed above.

The print array for this group is:

MID-COURSE EXECUTION ACCURACY

SGT	SGR	SG3
RRT	RRF	RTF
SCB	R23	R13
SG1	SG2	THA

The quantities are defined as follows:

Line 1

SGT, σ_T	the standard deviation of position errors along the T axis, in km.
SGR, σ_R	the standard deviation of position errors along the R axis, in km.
SG3, σ_3	the standard deviation of flight time errors, in sec.

Line 2

RRT, ρ_{RT}	the linear correlation coefficient relating position errors in the R and T directions (dimensionless).
RRF, ρ_{RF}	the linear correlation coefficient relating position errors in the R direction and flight-time errors (dimensionless).
RTF, ρ_{TF}	the linear correlation coefficient relating position errors in the T direction and flight-time errors (dimensionless).

Line 3

SCB, σ_B	the square root of the sum of the squares of σ_R and σ_T .
-----------------	--

R23, ρ_{23} the linear correlation coefficient of σ_2 and σ_3 ($= \sigma_F$). The same remarks apply to this number as to ρ_{13} , except that the σ_2 direction replaces the σ_1 direction.

R13, ρ_{13} the linear correlation coefficient relating σ_1 and σ_3 ($= \sigma_F$). This number statistically relates position errors in the σ_1 direction to flight time errors. If $\rho_{13} = 1$, then a position error in the σ_1 direction will always be accompanied by a flight-time error which is linearly related to that position error; ρ_{13} is dimensionless.

Line 4

SG1, σ_1	the semimajor axis of the error ellipse formed by projecting the three-dimensional error ellipsoid onto the T-R plane (Fig. 8), in km.
SG2, σ_2	the semiminor axis of this error ellipse (Fig. 8), in km.
THA, θ	the angle between the T axis and the direction of the σ_1 axis, measured in the T-R plane as shown in Fig. 8, in deg.

E. Orbit Determination Accuracy Group

The ORBIT DETERMINATION ACCURACY group is comprised of 12 numbers which describe the uncertainty in target coordinates due to tracking errors described in Section IIE. The printout array for this group is as follows:

ORBIT DETERMINATION ACCURACY

ST	SR	SS
CRT	CRS	CST
LSA	MSA	SSA
EL1	EL2	ALF

The first two lines describe the covariance of \mathbf{M}_1 by the method described in Section IIE (Eq. 67):

Line 1

ST, σ_T	the standard deviation of errors in the coordinate B • T , in km.
SR, σ_R	the standard deviation of errors in the coordinate B • R , in km.
SS, σ_S	the standard deviation of errors in S , in km.

Line 2

- CRT, ρ_{RT} the linear correlation coefficient relating errors in $\mathbf{B} \cdot \mathbf{R}$ to errors in $\mathbf{B} \cdot \mathbf{T}$, dimensionless.
- CRS, ρ_{RS} the linear correlation coefficient relating errors in $\mathbf{B} \cdot \mathbf{R}$ to errors in S , dimensionless.
- CST, ρ_{TS} the linear correlation coefficient relating errors in $\mathbf{B} \cdot \mathbf{T}$ to errors in S , dimensionless.

The third line contains the three semiaxes of the one-sigma position ellipsoid described by $\mathbf{M}_1 \mathbf{A}^{-1} \mathbf{M}^T = 1$.

Line 3

- LSA, $\sqrt{\epsilon_{max}}$ the largest semiaxis of the position ellipsoid, in km. (ϵ_{max} is the largest eigenvalue of Λ_{M_1} , in km^2 .)
- MSA, $\sqrt{\epsilon_{mid}}$ the middle semiaxis of the position ellipsoid, in km. (ϵ_{mid} is the second-largest, or middle, eigenvalue of Λ_{M_1} , in km^2 .)
- SSA, $\sqrt{\epsilon_{min}}$ the smallest semiaxis of the position ellipsoid, in km. (ϵ_{min} is the smallest eigenvalue of Λ_{M_1} , in km^2 .)

The fourth line describes the projection of the above position ellipsoid on the \mathbf{T} - \mathbf{R} plane. This projection is an ellipse with major and minor semiaxes and orientation as described below:

Line 4

- EL1 the major semiaxis of the target error ellipsoid projected onto the \mathbf{T} - \mathbf{R} plane, in km.

EL2

the minor semiaxis of the target error ellipsoid projected onto the \mathbf{T} - \mathbf{R} plane, in km.

ALF, α

the angle measured counterclockwise from the \mathbf{T} -axis to the major semiaxis direction, in deg ($0 \leq \alpha \leq 180$ deg).

The $\Lambda_{\hat{\mathbf{x}}}$ matrix used in generating the results for this report is

$$\Lambda_{\hat{\mathbf{x}}} = \begin{pmatrix} 100 \times 10^{-10} & 0 & 0 \\ 0 & 9 \times 10^{-10} & 0 \\ 0 & 0 & .09 \times 10^{-10} \end{pmatrix} \left(\frac{\text{km}}{\text{sec}} \right)^2$$

In all cases $\text{LSA} \gg \text{SSA}$, so that the information contained in lines 3 and 4 of the printout is very useful in visualizing the error ellipsoid. The general shape of the ellipsoid is a thin elliptical "pancake." When $\text{MSA} \ll \text{LSA}$, the "pancake" degenerates to approach a pencil shape. By inspecting the "shadow" of the pancake or pencil shape on the \mathbf{T} - \mathbf{R} plane, its orientation may be visualized.

If it is desired to estimate the flight time T_F , this can easily be done by the relation

$$\sigma_F = \frac{1}{V_{hp}} \sigma_S$$

The correlation coefficients between T_F and $\mathbf{B} \cdot \mathbf{T}$ are those given by CST; those between T_F and $\mathbf{B} \cdot \mathbf{R}$ are given by CRS.

IV. CONSTANTS

Constants used in trajectory calculations at the Jet Propulsion Laboratory are given in Ref. 9. For purposes of ready reference those constants used in the calculations contained herein are given below.

Gravitational Constants

1. Sun

$$GM_S = 2.959122083 \times 10^{-4} \text{ au}^3/\text{day}^2$$

2. Earth

$$GM_E = 3.986032 \times 10^5 \text{ km}^3/\text{sec}^2$$

Astronomical Unit-to-Kilometer Conversion Factor

$$1 \text{ au} = 149.599 \times 10^6 \text{ km}$$

Earth's Rotation Rate

$$\omega_E = 4.1780742 \times 10^{-3} \text{ deg/sec}$$

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9. Clarke, V. C., Jr., *Constants and Related Data Used in Trajectory Calculations at the Jet Propulsion Laboratory*, Technical Report No. 32-273, Jet Propulsion Laboratory, Pasadena, May 1, 1962.

Errata

On page 657 (launch date, May 14, 1967), flight time 156 has been omitted. This orbit has a central angle of 180 deg and an indeterminate inclination.

On page 752 (launch date, May 19, 1967), flight time 154 has been omitted. This orbit has a central angle of 180 deg and an indeterminate inclination.

Earth-Venus Trajectories, 1967

Launch date interval: April 10 to May 19, 1967

This data presentation has been photographically reproduced (enlarged 10½ times) from microfilm generated by computer magnetic tape.

LAUNCH DATE APR 10 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUN 19 1967

HELIOCENTRIC CONIC

DISTANCE 119.061

RL 149.47 LAL .00 LOL 199.44 VL 12.647 GAL 45.17 AZL 84.95 HCA 22.46 SMA 82.37 ECC .91470 INC 5.0449 V1 29.731
 RP 104.22 LAP 1.93 LOP 221.83 VP 29.011 GAP -64.81 AZP 85.33 TAL 174.33 TAP 196.40 RCA 7.03 APO 157.72 V2 35.019
 RC 107.962 GL 2.00 GP 2.63 ZAL 67.89 ZAP 40.76 ETS 186.43 ZAE 129.94 ETE 180.02 ZAC 162.90 ETC 103.07 CLP 40.69

PLANETOCENTRIC CONIC

C3 506.990 VHL 22.516 DLA 19.23 RAL 134.61 RAD 6572.4 VEL 25.066 PTH 3.34 VMP 34.971 DPA 26.20 RAP 81.43 ECC 9.3438
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 28 18 3487.04 -20.79 130.07 49.44 70.34 5 26 25 2887.0 -23.29 122.29
 90.00 21 48 19 4838.70 19.08 209.18 34.91 68.67 23 8 57 4238.8 16.02 201.85
 100.00 6 1 33 3186.32 -22.81 108.73 50.22 70.14 6 54 40 2586.3 -25.31 100.83
 100.00 22 57 44 4614.73 21.07 191.88 34.08 68.30 24 14 39 4014.7 17.94 184.48
 110.00 7 35 34 2892.22 -27.95 88.49 52.32 69.47 8 23 46 2292.2 -30.48 80.21
 110.00 23 40 14 4481.60 26.15 179.52 31.81 67.15 24 54 55 3881.6 22.82 171.94

DIFFERENTIAL CORRECTIONS

TDE .7761 TRA-2.4174 TC3 -.0966 BAU .6546
 RDE-1.7014 RRA -.6341 RC3 -.0012 FAU .01032
 FDE -.2503 FRA .7648 FC3 -.0176 BSP 1909
 BDE 1.8701 BRA 2.4992 BC3 .0966 FSP -40

MID-COURSE EXECUTION ACCURACY

SGT 807.8 SGR 465.5 SG3 19.9
 RRT .0748 RRF -.0675 RTF -.6050
 SGB 932.3 R23 .0000 R13 -.6054
 SGI 809.0 SG2 463.5 TMA 3.64

ORBIT DETERMINATION ACCURACY

ST 278.2 SR 436.0 SS 268.3
 CRT -.6224 CRS -.6304 CST .9972
 LSA 526.4 MSA 249.3 SSA 14.2
 EL1 477.4 EL2 198.8 ALF 116.63

LAUNCH DATE APR 10 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUN 21 1967

HELIOCENTRIC CONIC

DISTANCE 123.779

RL 149.87 LAL .00 LOL 199.44 VL 13.515 GAL 42.58 AZL 85.91 HCA 25.64 SMA 83.55 ECC .89408 INC 4.0881 V1 29.731
 RP 104.26 LAP 1.77 LOP 225.03 VP 29.384 GAP -62.04 AZP 86.31 TAL 175.40 TAP 199.04 RCA 8.85 APO 158.25 V2 35.006
 RC 105.528 GL 1.88 GP 2.68 ZAL 66.42 ZAP 39.22 ETS 186.65 ZAE 129.66 ETE 179.76 ZAC 163.05 ETC 97.59 CLP 39.14

PLANETOCENTRIC CONIC

C3 467.383 VHL 21.619 DLA 18.71 RAL 136.07 RAD 6572.3 VEL 24.263 PTH 3.32 VMP 33.808 DPA 26.43 RAP 83.26 ECC 8.6919
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 39 48 3458.98 -21.43 128.28 50.40 71.03 5 37 27 2859.0 -23.82 120.41
 90.00 21 48 27 4853.24 19.44 210.10 35.92 68.99 23 9 20 4253.2 16.41 202.73
 100.00 6 12 30 3160.08 -23.41 107.01 51.14 70.86 7 5 10 2560.1 -25.80 99.03
 100.00 22 58 27 4827.37 21.39 192.68 35.11 68.61 24 15 34 4027.4 18.29 185.26
 110.00 7 45 24 2869.39 -28.49 86.93 53.13 70.26 8 33 14 2269.4 -30.91 78.57
 110.00 23 42 1 4490.83 26.39 180.13 32.91 67.44 24 56 52 3890.8 23.10 172.51

DIFFERENTIAL CORRECTIONS

TDE .7982 TRA-2.4436 TC3 -.1034 BAU .6462
 RDE-1.6504 RRA -.6403 RC3 -.0009 FAU .01028
 FDE -.2674 FRA .7926 FC3 -.0190 BSP 2016
 BDE 1.8333 BRA 2.5261 BC3 .1034 FSP -44

MID-COURSE EXECUTION ACCURACY

SGT 843.9 SGR 472.7 SG3 21.3
 RRT .0796 RRF -.0721 RTF -.6229
 SGB 967.3 R23 -.0002 R13 -.6233
 SGI 845.1 SG2 470.5 TMA 3.70

ORBIT DETERMINATION ACCURACY

ST 295.0 SR 440.7 SS 284.0
 CRT -.6270 CRS -.6399 CST .9974
 LSA 543.9 MSA 256.5 SSA 14.5
 EL1 488.0 EL2 207.5 ALF 118.33

LAUNCH DATE APR 10 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUN 23 1967

HELIOCENTRIC CONIC

DISTANCE 124.661

RL 149.87 LAL .00 LOL 199.44 VL 14.343 GAL 40.29 AZL 86.67 HCA 28.82 SMA 84.78 ECC .87238 INC 3.3273 V1 29.731
 RP 104.30 LAP 1.60 LOP 228.23 VP 29.759 GAP -59.42 AZP 87.08 TAL 172.45 TAP 201.27 RCA 10.82 APO 158.75 V2 34.992
 RC 103.096 GL 1.75 GP 2.73 ZAL 64.98 ZAP 37.71 ETS 186.89 ZAE 129.44 ETE 179.48 ZAC 163.04 ETC 91.97 CLP 37.63

PLANETOCENTRIC CONIC

C3 431.097 VHL 20.763 DLA 18.17 RAL 137.48 RAD 6572.2 VEL 23.503 PTH 3.29 VMP 32.682 DPA 26.65 RAP 85.12 ECC 8.0948
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 51 1 3430.62 -22.04 126.41 51.24 71.76 5 48 12 2830.6 -24.33 118.48
 90.00 21 48 25 4867.22 19.78 210.98 36.86 69.31 23 9 32 4267.2 16.79 203.68
 100.00 6 23 10 3133.46 -23.99 105.25 51.94 71.61 7 15 24 2533.5 -26.28 97.20
 100.00 22 58 57 4639.61 21.69 193.47 36.08 68.91 24 16 17 4039.6 18.63 186.01
 110.00 7 55 1 2846.08 -29.01 85.32 53.83 71.08 8 42 28 2246.1 -31.32 76.87
 110.00 23 43 36 4499.75 26.62 180.72 33.93 67.72 24 58 35 3899.7 23.36 173.07

DIFFERENTIAL CORRECTIONS

TDE .8191 TRA-2.4712 TC3 -.1105 BAU .6371
 RDE-1.5991 RRA -.6449 RC3 -.0006 FAU .01025
 FDE -.2848 FRA .8209 FC3 -.0206 BSP 2123
 BDE 1.7967 BRA 2.5540 BC3 .1105 FSP -48

MID-COURSE EXECUTION ACCURACY

SGT 881.5 SGR 479.4 SG3 22.9
 RRT .0846 RRF -.0769 RTF -.6402
 SGB 1003.4 R23 -.0003 R13 -.6406
 SGI 882.8 SG2 477.0 TMA 3.72

ORBIT DETERMINATION ACCURACY

ST 312.5 SR 444.8 SS 300.2
 CRT -.6305 CRS -.6485 CST .9974
 LSA 562.1 MSA 263.5 SSA 14.7
 EL1 498.7 EL2 216.3 ALF 120.12

LAUNCH DATE APR 10 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUN 25 1967

HELIOCENTRIC CONIC

DISTANCE 133.697

RL 149.87 LAL .00 LOL 199.44 VL 15.130 GAL 38.23 AZL 87.29 HCA 32.00 SMA 86.06 ECC .84984 INC 2.7065 V1 29.731
 RP 104.38 LAP 1.43 LOP 231.42 VP 30.131 GAP -56.93 AZP 87.70 TAL 171.50 TAP 203.50 RCA 12.92 APO 159.19 V2 34.979
 RC 100.667 GL 1.61 GP 2.79 ZAL 63.60 ZAP 36.23 ETS 187.15 ZAE 129.27 ETE 179.18 ZAC 162.85 ETC 86.34 CLP 36.14

PLANETOCENTRIC CONIC

C3 397.799 VHL 19.945 DLA 17.62 RAL 138.82 RAD 6572.1 VEL 22.784 PTH 3.27 VMP 31.593 DPA 26.86 RAP 87.02 ECC 7.5468
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 1 58 3401.93 -22.64 124.52 51.97 72.53 5 58 40 2801.9 -24.82 116.53
 90.00 21 48 14 4880.68 20.10 211.84 37.72 69.62 23 9 34 4280.7 17.14 204.41
 100.00 6 33 36 3106.44 -24.56 103.44 52.63 72.40 7 25 22 2506.4 -26.73 95.32
 100.00 22 59 17 4651.41 21.98 194.23 36.97 69.21 24 16 48 4051.4 18.95 186.74
 110.00 8 4 25 2822.28 -29.53 85.66 54.42 71.94 8 51 27 2222.3 -31.71 75.13
 110.00 23 44 57 4508.33 26.84 181.29 34.88 67.99 25 0 5 3908.3 23.61 173.61

DIFFERENTIAL CORRECTIONS

TDE .8401 TRA-2.4992 TC3 -.1179 BAU .6270
 RDE-1.5476 RRA -.6479 RC3 -.0001 FAU .01023
 FDE -.3025 FRA .8495 FC3 -.0223 BSP 2249
 BDE 1.7609 BRA 2.5818 BC3 .1179 FSP -52

MID-COURSE EXECUTION ACCURACY

SGT 920.3 SGR 485.6 SG3 24.6
 RRT .0897 RRF -.0819 RTF -.6571
 SGB 1040.5 R23 -.0006 R13 -.6575
 SGI 921.7 SG2 482.9 TMA 3.74

ORBIT DETERMINATION ACCURACY

ST 330.9 SR 448.4 SS 316.7
 CRT -.6338 CRS -.6562 CST .9974
 LSA 581.2 MSA 270.0 SSA 14.9
 EL1 509.8 EL2 225.2 ALF 122.02

LAUNCH DATE APR 10 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUN 27 1967

HELIOCENTRIC CONIC

DISTANCE 138.878

RL 149.87 LAL .00 LOL 199.44 VL 15.878 GAL 36.37 AZL 87.81 HCA 35.19 SMA 87.37 ECC .82668 INC 2.1876 V1 29.731
 RP 108.38 LAP 1.26 LOP 234.61 VP 30.498 GAP -54.57 AZP 88.21 TAL 170.54 TAP 205.72 RCA 15.14 APO 159.60 V2 34.966
 RC 98.243 GL 1.46 GP 2.86 ZAL 62.25 ZAP 34.78 ETS 187.44 ZAE 129.15 ETE 178.85 ZAC 162.49 ETC 80.80 CLP 34.68

PLANETOCENTRIC CONIC

C3 367.201 VML 17.07 DLA 17.07 RAL 140.12 RAD 6572.0 VEL 22.102 PTH 3.24 VMP 30.538 DPA 27.05 RAP 88.95 ECC 7.0432
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 12 38 3372.89 -23.22 122.59 52.59 73.32 6 8 50 2772.9 -25.29 114.53
 90.00 21 47 53 4893.62 20.40 212.66 38.52 69.93 23 9 26 4293.6 17.48 205.21
 100.00 6 43 46 3079.00 -25.11 101.59 53.21 73.22 7 35 5 2479.0 -27.17 93.40
 100.00 22 59 26 4662.75 22.25 194.96 37.78 69.51 24 17 8 4062.7 19.26 187.44
 110.00 8 13 35 2797.97 -30.03 81.94 54.91 72.84 9 0 13 2198.0 -32.08 73.95
 110.00 23 46 6 4516.54 27.05 181.83 35.74 68.25 25 1 22 3916.5 23.85 174.13

DIFFERENTIAL CORRECTIONS

TDE .8601 TRA-2.5280 TC3 -.1255 BAU .6163
 RDE-1.4961 RRA -.6492 RC3 .0004 FAU .01022
 FDE -.3206 FRA .8786 FC3 -.0241 BSP 2377
 BDE 1.7257 BRA 2.6100 BC3 .1255 FSP -57

MID-COURSE EXECUTION ACCURACY

SGT 960.6 SGR 491.3 SG3 26.4
 RRT .0950 RRF -.0871 RTF -.6734
 SGB 1079.0 R23 -.0009 R13 -.6738
 SGI 962.2 SG2 488.3 THA 3.75

ORBIT DETERMINATION ACCURACY

ST 350.2 SR 451.5 SS 333.6
 CRT -.6363 CRS -.6630 CST .9974
 LSA 601.0 MSA 276.2 SSA 15.2
 EL1 521.2 EL2 234.0 ALF 124.01

LAUNCH DATE APR 10 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUN 29 1967

HELIOCENTRIC CONIC

DISTANCE 144.195

RL 149.87 LAL .00 LOL 199.44 VL 16.587 GAL 34.67 AZL 88.26 HCA 38.37 SMA 88.72 ECC .80310 INC 1.7448 V1 29.731
 RP 108.42 LAP 1.08 LOP 237.80 VP 30.859 GAP -52.33 AZP 88.63 TAL 169.57 TAP 207.94 RCA 17.47 APO 159.97 V2 34.953
 RC 95.826 GL 1.29 GP 2.93 ZAL 60.95 ZAP 33.35 ETS 187.75 ZAE 129.09 ETE 178.51 ZAC 161.97 ETC 75.47 CLP 33.24

PLANETOCENTRIC CONIC

C3 339.049 VML 18.413 DLA 18.51 RAL 141.35 RAD 6571.9 VEL 21.456 PTH 3.21 VMP 29.514 DPA 27.22 RAP 90.91 ECC 6.5799
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 23 1 3343.48 -23.78 120.61 53.10 74.16 6 18 45 2743.5 -25.73 112.49
 90.00 21 47 22 4906.02 20.69 213.46 39.24 70.23 23 9 8 4306.0 17.81 205.97
 100.00 6 53 41 3051.12 -25.64 99.69 53.68 74.09 7 44 32 2451.1 -27.58 91.43
 100.00 22 59 24 4673.61 22.51 195.66 38.52 69.79 24 17 17 4073.6 19.55 188.11
 110.00 8 22 31 2773.14 -30.51 80.17 55.27 73.79 9 8 45 2173.1 -32.43 71.48
 110.00 23 47 2 4524.35 27.24 182.36 36.54 68.51 25 2 27 3924.4 24.08 174.62

DIFFERENTIAL CORRECTIONS

TDE .8821 TRA-2.5547 TC3 -.1331 BAU .6034
 RDE-1.4444 RRA -.6490 RC3 .0010 FAU .01024
 FDE -.3393 FRA .9078 FC3 -.0261 BSP 2575
 BDE 1.6924 BRA 2.6359 BC3 .1331 FSP -62

MID-COURSE EXECUTION ACCURACY

SGT 1001.6 SGR 496.4 SG3 28.3
 RRT .0995 RRF -.0921 RTF -.6893
 SGB 1117.8 R23 -.0016 R13 -.6898
 SGI 1003.2 SG2 493.1 THA 3.72

ORBIT DETERMINATION ACCURACY

ST 370.7 SR 453.9 SS 351.2
 CRT -.6398 CRS -.6698 CST .9974
 LSA 622.3 MSA 281.6 SSA 15.4
 EL1 533.5 EL2 242.4 ALF 126.17

LAUNCH DATE APR 10 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 1 1967

HELIOCENTRIC CONIC

DISTANCE 149.639

RL 149.87 LAL .00 LOL 199.44 VL 17.260 GAL 33.10 AZL 88.64 HCA 41.55 SMA 90.09 ECC .77927 INC 1.3605 V1 29.731
 RP 108.46 LAP .90 LOP 240.99 VP 31.211 GAP -50.20 AZP 88.98 TAL 168.61 TAP 210.16 RCA 19.89 APO 160.29 V2 34.941
 RC 93.418 GL 1.11 GP 3.00 ZAL 59.69 ZAP 31.95 ETS 188.09 ZAE 129.08 ETE 178.13 ZAC 161.28 ETC 70.43 CLP 31.82

PLANETOCENTRIC CONIC

C3 313.123 VML 17.695 DLA 15.95 RAL 142.54 RAD 6571.8 VEL 20.843 PTH 3.18 VMP 28.521 DPA 27.37 RAP 92.90 ECC 6.1532
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 33 10 3313.65 -24.32 118.60 53.50 75.03 6 28 23 2713.7 -26.14 110.40
 90.00 21 46 42 4917.88 20.96 214.22 39.88 70.51 23 8 39 4317.9 18.11 206.71
 100.00 7 3 21 3022.78 -26.16 97.74 54.04 74.99 7 53 44 2422.8 -27.96 89.41
 100.00 22 59 11 4683.99 22.75 196.34 39.19 70.07 24 17 15 4084.0 19.83 188.76
 110.00 8 31 15 2747.77 -30.98 78.34 55.53 74.78 9 17 3 2147.8 -32.76 69.57
 110.00 23 47 47 4531.76 27.43 182.85 37.25 68.75 25 3 18 3931.8 24.29 175.09

DIFFERENTIAL CORRECTIONS

TDE .9013 TRA-2.5837 TC3 -.1412 BAU .5911
 RDE-1.3927 RRA -.6475 RC3 .0018 FAU .01025
 FDE -.3581 FRA .9377 FC3 -.0283 BSP 2730
 BDE 1.6589 BRA 2.6636 BC3 .1412 FSP -68

MID-COURSE EXECUTION ACCURACY

SGT 1044.9 SGR 500.9 SG3 30.3
 RRT .1050 RRF -.0978 RTF -.7046
 SGB 1158.8 R23 -.0021 R13 -.7050
 SGI 1046.6 SG2 497.3 THA 3.72

ORBIT DETERMINATION ACCURACY

ST 391.8 SR 455.7 SS 369.0
 CRT -.6415 CRS -.6754 CST .9973
 LSA 644.1 MSA 286.8 SSA 15.6
 EL1 546.1 EL2 250.8 ALF 128.36

LAUNCH DATE APR 10 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 3 1967

HELIOCENTRIC CONIC

DISTANCE 155.203

RL 149.87 LAL .00 LOL 199.44 VL 17.897 GAL 31.64 AZL 88.98 HCA 44.73 SMA 91.48 ECC .75532 INC 1.0216 V1 29.731
 RP 108.50 LAP .72 LOP 244.17 VP 31.554 GAP -48.16 AZP 89.27 TAL 167.65 TAP 212.38 RCA 22.38 APO 160.57 V2 34.929
 RC 91.019 GL .92 GP 3.09 ZAL 58.47 ZAP 30.56 ETS 188.47 ZAE 129.13 ETE 177.73 ZAC 160.44 ETC 65.74 CLP 30.42

PLANETOCENTRIC CONIC

C3 289.227 VML 17.007 DLA 15.37 RAL 143.67 RAD 6571.7 VEL 20.262 PTH 3.15 VMP 27.557 DPA 27.51 RAP 94.91 ECC 5.7599
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 43 3 3283.38 -24.84 116.53 53.78 75.95 6 37 46 2683.4 -26.53 108.27
 90.00 21 45 51 4929.21 21.22 214.96 40.45 70.80 23 8 0 4329.2 18.40 207.41
 100.00 7 12 48 2993.94 -26.65 95.74 54.29 75.94 8 2 42 2393.9 -28.32 87.34
 100.00 22 58 47 4693.88 22.98 196.99 39.78 70.34 24 17 1 4093.9 20.09 189.38
 110.00 8 39 46 2721.83 -31.43 76.45 55.66 75.81 9 25 8 2121.8 -33.06 67.61
 110.00 23 48 19 4538.75 27.60 183.35 37.89 68.98 25 3 57 3938.8 24.49 175.54

DIFFERENTIAL CORRECTIONS

TDE .9191 TRA-2.6135 TC3 -.1496 BAU .5785
 RDE-1.3411 RRA -.6446 RC3 .0027 FAU .01028
 FDE -.3772 FRA .9684 FC3 -.0308 BSP 2875
 BDE 1.6258 BRA 2.6918 BC3 .1496 FSP -73

MID-COURSE EXECUTION ACCURACY

SGT 1090.2 SGR 504.9 SG3 32.5
 RRT .1111 RRF -.1039 RTF -.7193
 SGB 1201.5 R23 -.0026 R13 -.7197
 SGI 1092.1 SG2 501.0 THA 3.73

ORBIT DETERMINATION ACCURACY

ST 413.7 SR 456.9 SS 387.3
 CRT -.6423 CRS -.6803 CST .9972
 LSA 666.7 MSA 291.7 SSA 15.7
 EL1 559.3 EL2 259.0 ALF 130.60

LAUNCH DATE APR 10 1967 FLIGHT TIME 86.00 ARRIVAL DATE JUL 5 1967

Heliocentric Conic
 RL 149.87 LAL .00 LOL 199.44 VL 18.500 GAL 30.28 AZL 89.28 HCA 47.91 SMA 92.88 ECC .73139 INC .7189 V1 29.731
 RP 108.53 LAP .53 LOP 247.35 VP 31.887 GAP -46.22 AZP 89.52 TAL 166.70 TAP 214.61 RCA 24.95 APO 160.82 V2 34.917
 RC 88.632 GL .70 GP 3.18 ZAL 57.29 ZAP 29.20 ETS 188.90 ZAE 129.24 ETE 177.30 ZAC 159.47 ETC 61.42 CLP 29.04

Distance 160.879

Planetocentric Conic
 C3 267.186 VML 16.346 DLA 14.79 RAL 144.76 RAD 6571.6 VEL 19.710 PTH 3.12 VHP 26.621 DPA 27.63 RAP 96.95 ECC 5.3972
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 52 42 3252.62 -25.33 114.41 53.95 76.90 6 46 54 2652.6 -26.88 106.08
 90.00 21 44 51 4940.01 21.46 215.66 40.94 71.07 23 7 11 4348.0 18.68 208.09
 100.00 7 22 1 2964.57 -27.12 93.69 54.42 76.92 8 11 25 2364.6 -28.65 85.22
 100.00 22 58 13 4703.29 23.19 197.60 40.29 70.59 24 16 36 4103.3 20.33 189.97
 110.00 8 48 4 2695.30 -31.86 74.50 55.68 76.89 9 33 0 2095.3 -33.33 65.58
 110.00 23 48 38 4545.32 27.76 183.77 38.44 69.20 25 4 24 3945.3 24.68 175.96

Differential Corrections
 TDE .9364 TRA-2.6428 TC3 -.1581 BAU .5650
 RDE-1.2897 RRA -.6404 RC3 .0037 FAU .01032
 FDE -.3967 FRA .9996 FC3 -.0334 BSP 3034
 BDE 1.5938 BRA 2.7193 BC3 .1582 FSP -80

Mid-Course Execution Accuracy
 SGT 1137.1 SGR 508.3 SG3 34.8
 RRT .1173 RRF -.1102 RTF -.7334
 SGB 1245.5 R23 -.0031 R13 -.7338
 SGI 1139.0 SG2 504.0 THA 3.73

Orbit Determination Accuracy
 ST 436.6 SR 457.4 SS 406.1
 CRT -.6428 CRS -.6847 CST .9970
 LSA 690.5 MSA 295.9 SSA 15.9
 EL1 573.2 EL2 266.8 ALF 132.93

LAUNCH DATE APR 10 1967 FLIGHT TIME 88.00 ARRIVAL DATE JUL 7 1967

Heliocentric Conic
 RL 149.87 LAL .00 LOL 199.44 VL 19.071 GAL 29.00 AZL 89.55 HCA 51.09 SMA 94.30 ECC .70759 INC .4454 V1 29.731
 RP 108.57 LAP .35 LOP 250.53 VP 32.209 GAP -44.37 AZP 89.72 TAL 165.75 TAP 216.84 RCA 27.57 APO 161.02 V2 34.905
 RC 86.259 GL .47 GP 3.27 ZAL 56.15 ZAP 27.86 ETS 189.37 ZAE 129.40 ETE 176.84 ZAC 158.38 ETC 57.49 CLP 27.69

Distance 166.660

Planetocentric Conic
 C3 246.844 VML 15.711 DLA 14.20 RAL 145.79 RAD 6571.4 VEL 19.187 PTH 3.09 VHP 25.711 DPA 27.72 RAP 99.01 ECC 5.0624
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 2 7 3221.33 -25.80 112.23 54.01 77.90 6 55 48 2621.3 -27.21 103.85
 90.00 21 43 40 4950.28 21.68 216.33 41.36 71.33 23 6 10 4350.3 18.93 208.73
 100.00 7 31 1 2934.63 -27.56 91.57 54.43 77.95 8 19 55 2334.6 -28.95 83.04
 100.00 22 57 27 4712.21 23.39 198.19 40.72 70.84 24 15 59 4112.2 20.56 190.54
 110.00 8 56 11 2668.15 -32.26 72.49 55.59 78.02 9 40 39 2068.1 -33.57 63.50
 110.00 23 48 46 4551.46 27.91 184.19 38.91 69.41 25 4 37 3951.5 24.85 176.35

Differential Corrections
 TDE .9530 TRA-2.6717 TC3 -.1669 BAU .5511
 RDE-1.2384 RRA -.6350 RC3 .0049 FAU .01038
 FDE -.4168 FRA 1.0315 FC3 -.0364 BSP 3201
 BDE 1.5626 BRA 2.7462 BC3 .1670 FSP -86

Mid-Course Execution Accuracy
 SGT 1185.8 SGR 511.1 SG3 37.3
 RRT .1238 RRF -.1169 RTF -.7470
 SGB 1291.2 R23 -.0038 R13 -.7474
 SGI 1187.8 SG2 506.3 THA 3.73

Orbit Determination Accuracy
 ST 460.4 SR 457.3 SS 425.3
 CRT -.6430 CRS -.6886 CST .9968
 LSA 715.5 MSA 299.7 SSA 16.1
 EL1 588.1 EL2 274.1 ALF 135.30

LAUNCH DATE APR 10 1967 FLIGHT TIME 90.00 ARRIVAL DATE JUL 9 1967

Heliocentric Conic
 RL 149.87 LAL .00 LOL 199.44 VL 19.611 GAL 27.79 AZL 89.80 HCA 54.26 SMA 95.72 ECC .68401 INC .1951 V1 29.731
 RP 108.60 LAP .16 LOP 253.71 VP 32.520 GAP -42.59 AZP 89.89 TAL 164.82 TAP 219.08 RCA 30.25 APO 161.19 V2 34.894
 RC 83.901 GL .22 GP 3.38 ZAL 55.05 ZAP 26.54 ETS 189.91 ZAE 129.62 ETE 176.34 ZAC 157.18 ETC 53.92 CLP 26.34

Distance 172.539

Planetocentric Conic
 C3 228.064 VML 15.102 DLA 13.61 RAL 146.77 RAD 6571.3 VEL 18.692 PTH 3.06 VHP 24.826 DPA 27.80 RAP 101.08 ECC 4.7534
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 11 18 3189.47 -26.23 110.00 53.95 78.93 7 4 28 2589.5 -27.49 101.56
 90.00 21 42 17 4960.06 21.89 216.97 41.69 71.58 23 4 58 4360.1 19.18 209.35
 100.00 7 39 48 2904.10 -27.98 89.40 54.33 79.02 8 28 12 2304.1 -29.21 80.81
 100.00 22 56 29 4720.66 23.58 198.75 41.08 71.08 24 15 10 4120.7 20.78 191.07
 110.00 9 4 5 2640.34 -32.63 70.40 55.37 79.20 9 48 6 2040.3 -33.78 61.36
 110.00 23 48 41 4557.18 28.04 184.58 39.31 69.60 25 4 38 3957.2 25.01 176.72

Differential Corrections
 TDE .9688 TRA-2.7000 TC3 -.1759 BAU .5366
 RDE-1.1873 RRA -.6286 RC3 .0063 FAU .01045
 FDE -.4373 FRA 1.0641 FC3 -.0397 BSP 3377
 BDE 1.5325 BRA 2.7722 BC3 .1760 FSP -94

Mid-Course Execution Accuracy
 SGT 1236.2 SGR 513.3 SG3 40.0
 RRT .1306 RRF -.1240 RTF -.7601
 SGB 1338.5 R23 -.0045 R13 -.7605
 SGI 1238.3 SG2 508.0 THA 3.73

Orbit Determination Accuracy
 ST 485.1 SR 456.4 SS 445.1
 CRT -.6427 CRS -.6921 CST .9966
 LSA 741.5 MSA 302.9 SSA 16.3
 EL1 604.0 EL2 280.9 ALF 137.71

LAUNCH DATE APR 10 1967 FLIGHT TIME 92.00 ARRIVAL DATE JUL 11 1967

Heliocentric Conic
 RL 149.87 LAL .00 LOL 199.44 VL 20.122 GAL 26.66 AZL 90.03 HCA 57.44 SMA 97.14 ECC .66073 INC .0313 V1 29.731
 RP 108.64 LAP -.03 LOP 256.88 VP 32.819 GAP -40.89 AZP 90.02 TAL 163.89 TAP 221.33 RCA 32.96 APO 161.33 V2 34.883
 RC 81.561 GL -.04 GP 3.49 ZAL 54.00 ZAP 25.24 ETS 190.52 ZAE 129.91 ETE 175.79 ZAC 155.88 ETC 50.71 CLP 25.02

Distance 178.511

Planetocentric Conic
 C3 210.721 VML 14.516 DLA 13.00 RAL 147.70 RAD 6571.2 VEL 18.222 PTH 3.02 VHP 23.967 DPA 27.86 RAP 103.18 ECC 4.4679
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 20 17 3157.00 -26.63 107.71 53.78 80.01 7 12 54 2557.0 -27.74 99.22
 90.00 21 40 44 4969.35 22.09 217.57 41.95 71.82 23 3 33 4369.4 19.40 209.93
 100.00 7 48 23 2872.91 -28.36 87.16 54.12 80.14 8 36 16 2272.9 -29.43 78.52
 100.00 22 55 20 4728.67 23.76 199.28 41.35 71.30 24 14 8 4128.7 20.98 191.58
 110.00 9 11 49 2611.86 -32.97 68.25 55.04 80.43 9 55 20 2011.9 -33.94 59.15
 110.00 23 48 23 4562.49 28.17 184.94 39.62 69.78 25 4 26 3962.5 25.16 177.06

Differential Corrections
 TDE .9839 TRA-2.7275 TC3 -.1850 BAU .5217
 RDE-1.1366 RRA -.6211 RC3 .0079 FAU .01054
 FDE -.4583 FRA 1.0976 FC3 -.0433 BSP 3559
 BDE 1.5033 BRA 2.7973 BC3 .1852 FSP -102

Mid-Course Execution Accuracy
 SGT 1288.4 SGR 514.9 SG3 42.9
 RRT .1378 RRF -.1315 RTF -.7726
 SGB 1387.5 R23 -.0054 R13 -.7730
 SGI 1290.7 SG2 509.0 THA 3.73

Orbit Determination Accuracy
 ST 510.8 SR 454.9 SS 465.5
 CRT -.6421 CRS -.6951 CST .9963
 LSA 768.8 MSA 305.5 SSA 16.4
 EL1 621.0 EL2 286.9 ALF 140.13

LAUNCH DATE APR 10 1967

FLIGHT TIME 94.00

ARRIVAL DATE JUL 13 1967

HELIOCENTRIC CONIC

DISTANCE 184.568

RL 149.87 LAL .00 LOL 199.44 VL 20.605 GAL 25.58 AZL 90.25 MCA 60.61 SMA 98.56 ECC .63783 INC .2490 V1 29.731
 RP 108.67 LAP -.22 LOP 260.05 VP 33.106 GAP -39.26 AZP 90.12 TAL 162.98 TAP 223.59 RCA 35.70 APO 161.43 V2 34.872
 RC 79.241 GL -.33 GP 3.62 ZAL 52.98 ZAP 23.96 ETS 191.21 ZAE 130.26 ETE 175.21 ZAC 154.50 ETC 47.83 CLP 23.70

PLANETOCENTRIC CONIC

C3 194.702 VML 13.954 OLA 12.38 RAL 148.58 RAD 6571.1 VEL 17.777 PTH 2.99 VHP 23.131 DPA 27.90 RAP 105.29 ECC 4.2043
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 29 5 3123.87 -27.00 105.36 53.49 81.14 7 21 8 2523.9 -27.95 96.82
 90.00 21 38 58 4978.20 22.28 218.16 42.13 72.06 23 1 57 4378.2 19.62 210.49
 100.00 7 56 46 2841.05 -28.71 84.85 53.78 81.30 8 44 7 2241.0 -29.62 76.17
 100.00 22 53 58 4736.26 23.92 199.78 41.54 71.52 24 12 54 4136.3 21.17 192.06
 110.00 9 19 21 2582.65 -33.28 66.03 54.58 81.71 10 2 24 1982.7 -34.07 56.88
 110.00 23 47 52 4567.42 28.28 185.27 39.84 69.95 25 4 0 3967.4 25.29 177.38

DIFFERENTIAL CORRECTIONS

TDE .9980 TRA-2.7541 TC3 -.1943 BAU .5063
 RDE -1.0862 RRA -.6128 RC3 .0098 FAU .01065
 FDE -1.4800 FRA 1.1320 FC3 -.0474 BSP 3746
 BDE 1.4751 BRA 2.8215 BC3 .1945 FSP -110

MID-COURSE EXECUTION ACCURACY

SGT 1342.5 SGR 515.8 SG3 45.9
 RRT .1454 RRF -.1396 RTF -.7846
 SGB 1438.2 R23 -.0063 R13 -.7850
 SG1 1345.0 SG2 509.4 THA 3.73

ORBIT DETERMINATION ACCURACY

ST 537.4 SR 452.7 SS 486.4
 CRT -.6410 CRS -.6977 CST .9960
 LSA 797.2 MSA 307.5 SSA 16.6
 EL1 639.0 EL2 292.2 ALF 142.53

LAUNCH DATE APR 10 1967

FLIGHT TIME 96.00

ARRIVAL DATE JUL 15 1967

HELIOCENTRIC CONIC

DISTANCE 190.705

RL 149.87 LAL .00 LOL 199.44 VL 21.062 GAL 24.55 AZL 90.45 MCA 63.78 SMA 99.98 ECC .61537 INC .4507 V1 29.731
 RP 108.70 LAP -.40 LOP 263.22 VP 33.382 GAP -37.70 AZP 90.20 TAL 162.08 TAP 225.86 RCA 38.45 APO 161.50 V2 34.862
 RC 76.944 GL -.64 GP 3.75 ZAL 52.01 ZAP 22.70 ETS 192.00 ZAE 130.68 ETE 174.57 ZAC 153.05 ETC 45.23 CLP 22.40

PLANETOCENTRIC CONIC

C3 179.906 VML 13.413 OLA 11.76 RAL 149.41 RAD 6570.9 VEL 17.356 PTH 2.95 VHP 22.318 DPA 27.92 RAP 107.41 ECC 3.9608
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 37 40 3090.04 -27.34 102.94 53.08 82.31 7 29 11 2490.0 -28.12 94.36
 90.00 21 37 0 4986.64 22.46 218.71 42.23 72.28 23 0 7 4386.6 19.82 211.03
 100.00 8 4 59 2808.46 -29.02 82.48 53.34 82.52 8 51 47 2208.5 -29.76 73.75
 100.00 22 52 23 4743.46 24.08 200.26 41.65 71.73 24 11 26 4143.5 21.35 192.52
 110.00 9 26 43 2552.70 -33.55 63.73 54.01 83.05 10 9 16 1952.7 -34.15 54.54
 110.00 23 47 8 4571.98 28.39 185.59 39.99 70.11 25 3 20 3972.0 25.42 177.67

DIFFERENTIAL CORRECTIONS

TDE 1.0116 TRA-2.7793 TC3 -.2035 BAU .4904
 RDE -1.0363 RRA -.6036 RC3 .0119 FAU .01078
 FDE -.5024 FRA 1.1673 FC3 -.0519 BSP 3950
 BDE 1.4482 BRA 2.8441 BC3 .2039 FSP -119

MID-COURSE EXECUTION ACCURACY

SGT 1398.4 SGR 516.1 SG3 49.2
 RRT .1534 RRF -.1481 RTF -.7961
 SGB 1490.6 R23 -.0075 R13 -.7965
 SG1 1401.0 SG2 509.0 THA 3.73

ORBIT DETERMINATION ACCURACY

ST 565.1 SR 449.7 SS 508.1
 CRT -.6397 CRS -.6999 CST .9957
 LSA 827.1 MSA 308.9 SSA 16.7
 EL1 658.5 EL2 296.6 ALF 144.91

LAUNCH DATE APR 10 1967

FLIGHT TIME 98.00

ARRIVAL DATE JUL 17 1967

HELIOCENTRIC CONIC

DISTANCE 196.915

RL 149.87 LAL .00 LOL 199.44 VL 21.494 GAL 23.57 AZL 90.64 MCA 66.95 SMA 101.38 ECC .59339 INC .6414 V1 29.731
 RP 108.73 LAP -.59 LOP 266.39 VP 33.647 GAP -36.19 AZP 90.25 TAL 161.20 TAP 228.15 RCA 41.22 APO 161.54 V2 34.853
 RC 74.673 GL -.98 GP 3.90 ZAL 51.07 ZAP 21.46 ETS 192.91 ZAE 131.16 ETE 173.89 ZAC 151.54 ETC 42.91 CLP 21.12

PLANETOCENTRIC CONIC

C3 166.241 VML 12.893 OLA 11.12 RAL 150.19 RAD 6570.8 VEL 16.958 PTH 2.92 VHP 21.527 DPA 27.93 RAP 109.55 ECC 3.7359
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 46 6 3055.46 -27.63 100.45 52.56 83.52 7 37 1 2455.5 -28.24 91.84
 90.00 21 34 49 4994.73 22.62 219.25 42.24 72.50 22 58 3 4394.7 20.02 211.54
 100.00 8 13 1 2775.11 -29.30 80.04 52.77 83.77 8 59 17 2175.1 -29.85 71.28
 100.00 22 50 34 4750.31 24.22 200.72 41.69 71.93 24 9 44 4150.3 21.52 192.96
 110.00 9 33 55 2521.97 -33.78 61.36 53.31 84.43 10 15 57 1922.0 -34.18 52.14
 110.00 23 46 10 4576.22 28.49 185.88 40.05 70.26 25 2 26 3976.2 25.53 177.95

DIFFERENTIAL CORRECTIONS

TDE 1.0244 TRA-2.8031 TC3 -.2128 BAU .4740
 RDE -.9868 RRA -.5938 RC3 .0143 FAU .01092
 FDE -.5256 FRA 1.2037 FC3 -.0569 BSP 4161
 BDE 1.4224 BRA 2.8653 BC3 .2133 FSP -129

MID-COURSE EXECUTION ACCURACY

SGT 1456.0 SGR 515.7 SG3 52.8
 RRT .1619 RRF -.1574 RTF -.8070
 SGB 1544.6 R23 -.0087 R13 -.8074
 SG1 1458.7 SG2 508.0 THA 3.73

ORBIT DETERMINATION ACCURACY

ST 593.8 SR 445.9 SS 530.4
 CRT -.6381 CRS -.7017 CST .9954
 LSA 858.2 MSA 309.6 SSA 16.8
 EL1 679.2 EL2 300.1 ALF 147.24

LAUNCH DATE APR 10 1967

FLIGHT TIME 100.00

ARRIVAL DATE JUL 19 1967

HELIOCENTRIC CONIC

DISTANCE 203.195

RL 149.87 LAL .00 LOL 199.44 VL 21.902 GAL 22.64 AZL 90.82 MCA 70.12 SMA 102.77 ECC .57194 INC .8234 V1 29.731
 RP 108.76 LAP -.77 LOP 269.56 VP 33.899 GAP -34.75 AZP 90.28 TAL 160.34 TAP 230.45 RCA 43.99 APO 161.55 V2 34.844
 RC 72.433 GL -1.34 GP 4.06 ZAL 50.18 ZAP 20.23 ETS 193.97 ZAE 131.72 ETE 173.13 ZAC 149.97 ETC 40.81 CLP 19.84

PLANETOCENTRIC CONIC

C3 153.622 VML 12.394 OLA 10.47 RAL 150.92 RAD 6570.7 VEL 16.582 PTH 2.88 VHP 20.759 DPA 27.92 RAP 111.70 ECC 3.5282
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 54 21 3020.09 -27.87 97.89 51.92 84.78 7 44 42 2420.1 -28.30 89.25
 90.00 21 32 23 5002.51 22.78 219.76 42.18 72.71 22 55 45 4402.5 20.20 212.04
 100.00 8 20 54 2740.95 -29.52 77.53 52.09 85.08 9 6 35 2141.0 -29.89 68.74
 100.00 22 48 31 4756.88 24.36 201.16 41.64 72.12 24 7 48 4156.9 21.69 193.38
 110.00 9 40 58 2490.42 -33.96 58.92 52.50 85.87 10 22 29 1890.4 -34.16 49.68
 110.00 23 44 56 4580.18 28.58 186.15 40.04 70.39 25 1 17 3980.2 25.64 178.21

DIFFERENTIAL CORRECTIONS

TDE 1.0370 TRA-2.8250 TC3 -.2219 BAU .4571
 RDE -.9378 RRA -.5834 RC3 .0170 FAU .01109
 FDE -.5497 FRA 1.2412 FC3 -.0625 BSP 4390
 BDE 1.3981 BRA 2.8846 BC3 .2226 FSP -140

MID-COURSE EXECUTION ACCURACY

SGT 1515.3 SGR 514.7 SG3 56.6
 RRT .1708 RRF -.1672 RTF -.8176
 SGB 1600.3 R23 -.0102 R13 -.8180
 SG1 1518.1 SG2 506.2 THA 3.74

ORBIT DETERMINATION ACCURACY

ST 623.5 SR 441.2 SS 553.5
 CRT -.6363 CRS -.7032 CST .9931
 LSA 890.9 MSA 309.7 SSA 16.9
 EL1 701.4 EL2 302.6 ALF 149.50

LAUNCH DATE APR 10 1967

FLIGHT TIME 102.00

ARRIVAL DATE JUL 21 1967

HELIOCENTRIC CONIC

DISTANCE 209.538

RL 149.87 LAL .00 LOL 199.44 VL 22.287 GAL 21.75 AZL 91.00 MCA 73.28 SMA 104.14 ECC .55105 INC .9980 VI 29.731
 RP 108.79 LAP -.96 LOP 272.73 VP 34.141 GAP -33.35 AZP 90.29 TAL 159.49 TAP 232.77 RCA 46.76 APO 161.53 V2 34.835
 RC 70.227 GL -1.73 GP 4.24 ZAL 49.33 ZAP 19.03 ETS 195.20 ZAE 132.35 ETE 172.31 ZAC 148.35 ETC 38.93 CLP 18.57

PLANETOCENTRIC CONIC

C3 141.973 VML 11.915 OLA 9.80 RAL 151.60 RAD 6570.5 VEL 16.227 PTM 2.85 VMP 20.011 OPA 27.89 RAP 113.85 ECC 3.3365
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 2 28 2983.88 -28.07 95.26 51.17 86.09 7 52 12 2383.9 -28.31 86.60
 90.00 21 29 41 5010.07 22.93 220.26 42.04 72.92 22 53 11 4410.1 20.38 212.52
 100.00 8 28 39 2705.95 -29.70 74.94 51.29 86.43 9 13 45 2106.0 -29.88 66.14
 100.00 22 46 12 4763.23 24.49 201.58 41.51 72.30 24 5 35 4163.2 21.84 193.79
 110.00 9 47 52 2458.03 -34.09 56.39 51.58 87.36 10 28 50 1858.0 -34.08 47.15
 110.00 23 43 28 4583.91 28.66 186.41 39.94 70.53 24 59 52 3983.9 25.74 178.45

DIFFERENTIAL CORRECTIONS

TDE 1.0445 TRA-2.8494 TC3 -.2320 BAU .4421
 RDE -.8894 RRA -.5726 RC3 .0201 FAU .01125
 FDE -.5742 FRA 1.2806 FC3 -.0686 BSP 4528
 BDE 1.3719 BRA 2.9064 BC3 .2329 FSP -151

MID-COURSE EXECUTION ACCURACY

SGT 1578.4 SGR 513.1 SG3 60.7
 RRT .1818 RRF -.1785 RTF -.8272
 SGB 1659.7 R23 -.0113 R13 -.8276
 SGI 1581.5 SG2 503.6 TMA 3.76

ORBIT DETERMINATION ACCURACY

ST 653.1 SR 435.8 SS 577.1
 CRT -.6319 CRS -.7037 CST .9945
 LSA 923.7 MSA 309.8 SSA 17.1
 EL1 723.5 EL2 304.9 ALF 151.67

LAUNCH DATE APR 10 1967

FLIGHT TIME 104.00

ARRIVAL DATE JUL 23 1967

HELIOCENTRIC CONIC

DISTANCE 215.939

RL 149.87 LAL .00 LOL 199.44 VL 22.651 GAL 20.90 AZL 91.17 MCA 76.45 SMA 105.50 ECC .53076 INC 1.1669 VI 29.731
 RP 108.81 LAP -1.13 LOP 275.89 VP 34.371 GAP -32.01 AZP 90.27 TAL 158.66 TAP 235.11 RCA 49.50 APO 161.49 V2 34.827
 RC 68.060 GL -2.16 GP 4.43 ZAL 48.52 ZAP 17.85 ETS 196.64 ZAE 133.06 ETE 171.41 ZAC 146.69 ETC 37.24 CLP 17.31

PLANETOCENTRIC CONIC

C3 131.224 VML 11.455 OLA 9.12 RAL 152.23 RAD 6570.4 VEL 15.892 PTM 2.81 VMP 19.285 OPA 27.85 RAP 116.01 ECC 3.1596
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 10 27 2946.78 -28.21 92.55 50.31 87.44 7 59 34 2346.8 -28.27 83.89
 90.00 21 26 44 5017.47 23.08 220.76 41.83 73.12 22 50 21 4417.5 20.55 213.00
 100.00 8 36 15 2670.06 -29.82 72.28 50.39 87.82 9 20 45 2070.1 -29.80 63.47
 100.00 22 43 37 4769.42 24.62 202.00 41.30 72.49 24 3 7 4169.4 21.99 194.19
 110.00 9 54 38 2424.76 -34.17 53.80 50.54 88.89 10 35 3 1824.8 -33.94 44.56
 110.00 23 41 43 4587.50 28.75 186.66 39.77 70.65 24 58 11 3987.5 25.84 178.64

DIFFERENTIAL CORRECTIONS

TDE 1.0499 TRA-2.8737 TC3 -.2426 BAU .4276
 RDE -.8417 RRA -.5615 RC3 .0235 FAU .01142
 FDE -.9995 FRA 1.3217 FC3 -.0754 BSP 4637
 BDE 1.3456 BRA 2.9280 BC3 .2437 FSP -162

MID-COURSE EXECUTION ACCURACY

SGT 1644.3 SGR 510.9 SG3 65.1
 RRT .1941 RRF -.1909 RTF -.8361
 SGB 1721.9 R23 -.0123 R13 -.8365
 SGI 1647.6 SG2 500.2 TMA 3.80

ORBIT DETERMINATION ACCURACY

ST 683.2 SR 429.5 SS 601.4
 CRT -.6264 CRS -.7036 CST .9939
 LSA 957.5 MSA 309.4 SSA 17.2
 EL1 746.6 EL2 306.4 ALF 153.76

LAUNCH DATE APR 10 1967

FLIGHT TIME 106.00

ARRIVAL DATE JUL 25 1967

HELIOCENTRIC CONIC

DISTANCE 222.393

RL 149.87 LAL .00 LOL 199.44 VL 22.994 GAL 20.09 AZL 91.33 MCA 79.61 SMA 106.83 ECC .91108 INC 1.3312 VI 29.731
 RP 108.83 LAP -1.31 LOP 279.06 VP 34.591 GAP -30.72 AZP 90.24 TAL 157.86 TAP 237.47 RCA 52.23 APO 161.42 V2 34.820
 RC 65.936 GL -2.61 GP 4.63 ZAL 47.75 ZAP 16.69 ETS 198.34 ZAE 133.85 ETE 170.42 ZAC 144.99 ETC 35.71 CLP 16.05

PLANETOCENTRIC CONIC

C3 121.309 VML 11.014 OLA 8.42 RAL 152.81 RAD 6570.3 VEL 15.577 PTM 2.77 VMP 18.579 OPA 27.79 RAP 118.18 ECC 2.9964
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 18 18 2908.76 -28.29 89.78 49.35 88.83 8 6 47 2308.8 -28.16 81.11
 90.00 21 23 29 5024.82 23.22 221.25 41.53 73.33 22 47 14 4424.8 20.72 213.47
 100.00 8 43 44 2633.25 -29.88 69.54 49.38 89.26 9 27 37 2033.2 -29.67 60.74
 100.00 22 40 45 4775.56 24.74 202.41 41.02 72.67 24 0 20 4175.6 22.14 194.58
 110.00 10 1 16 2390.57 -34.18 51.13 49.39 90.47 10 41 7 1790.6 -33.74 41.91
 110.00 23 39 41 4591.00 28.82 186.90 39.51 70.77 24 56 12 3991.0 25.93 178.91

DIFFERENTIAL CORRECTIONS

TDE 1.0555 TRA-2.8950 TC3 -.2528 BAU .4123
 RDE -.7945 RRA -.5501 RC3 .0274 FAU .01162
 FDE -.6261 FRA 1.3643 FC3 -.0829 BSP 4780
 BDE 1.3211 BRA 2.9468 BC3 .2542 FSP -174

MID-COURSE EXECUTION ACCURACY

SGT 1711.5 SGR 508.1 SG3 69.9
 RRT .2069 RRF -.2043 RTF -.8447
 SGB 1785.3 R23 -.0138 R13 -.8452
 SGI 1715.0 SG2 496.1 TMA 3.84

ORBIT DETERMINATION ACCURACY

ST 714.4 SR 422.3 SS 626.7
 CRT -.6209 CRS -.7031 CST .9933
 LSA 993.0 MSA 308.3 SSA 17.4
 EL1 771.1 EL2 306.7 ALF 155.77

LAUNCH DATE APR 10 1967

FLIGHT TIME 108.00

ARRIVAL DATE JUL 27 1967

HELIOCENTRIC CONIC

DISTANCE 228.897

RL 149.87 LAL .00 LOL 199.44 VL 23.318 GAL 19.32 AZL 91.49 MCA 82.78 SMA 108.13 ECC .49204 INC 1.4922 VI 29.731
 RP 108.85 LAP -1.48 LOP 282.22 VP 34.801 GAP -29.47 AZP 90.19 TAL 157.07 TAP 239.85 RCA 54.93 APO 161.34 V2 34.813
 RC 63.861 GL -3.10 GP 4.86 ZAL 47.03 ZAP 15.56 ETS 200.37 ZAE 134.72 ETE 169.33 ZAC 143.25 ETC 34.33 CLP 14.80

PLANETOCENTRIC CONIC

C3 112.177 VML 10.591 OLA 7.69 RAL 153.34 RAD 6570.1 VEL 15.281 PTM 2.74 VMP 17.892 OPA 27.73 RAP 120.35 ECC 2.8461
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 26 4 2889.77 -28.32 86.92 48.28 90.26 8 13 54 2269.8 -27.98 78.27
 90.00 21 19 56 5032.24 23.37 221.74 41.17 73.54 22 43 48 4432.2 20.89 213.95
 100.00 8 51 7 2595.47 -29.88 66.73 48.26 90.74 9 34 22 1995.5 -29.46 57.96
 100.00 22 37 34 4781.76 24.87 202.83 40.67 72.86 23 57 16 4181.8 22.29 194.98
 110.00 10 7 48 2355.46 -34.13 48.39 48.14 92.09 10 47 4 1755.5 -33.46 39.21
 110.00 23 37 22 4594.54 28.90 187.14 39.19 70.90 24 53 56 3994.5 26.02 179.14

DIFFERENTIAL CORRECTIONS

TDE 1.0320 TRA-2.9431 TC3 -.2729 BAU .4120
 RDE -.7486 RRA -.5394 RC3 .0315 FAU .01162
 FDE -.6492 FRA 1.4135 FC3 -.0897 BSP 4243
 BDE 1.2749 BRA 2.9921 BC3 .2747 FSP -177

MID-COURSE EXECUTION ACCURACY

SGT 1796.4 SGR 505.1 SG3 75.1
 RRT .2297 RRF -.2225 RTF -.8496
 SGB 1866.1 R23 -.0120 R13 -.8500
 SGI 1800.4 SG2 490.5 TMA 3.99

ORBIT DETERMINATION ACCURACY

ST 737.8 SR 414.5 SS 650.3
 CRT -.6002 CRS -.6983 CST .9910
 LSA 1020.7 MSA 311.1 SSA 17.7
 EL1 787.1 EL2 310.7 ALF 157.71

LAUNCH DATE APR 10 1967

FLIGHT TIME 110.00

ARRIVAL DATE JUL 29 1967

HELIOCENTRIC CONIC

DISTANCE 235.431

RL 149.87 LAL .00 LOL 199.44 VL 23.623 GAL 18.57 AZL 91.65 MCA 85.94 SMA 109.41 ECC .47358 INC 1.6508 V1 29.731
 RP 108.87 LAP -1.65 LOP 285.38 VP 35.000 GAP -28.27 AZP 90.12 TAL 156.32 TAP 242.26 RCA 57.59 APO 161.22 V2 34.807
 RC 61.839 GL -3.63 GP 5.11 ZAL 46.37 ZAP 14.46 ETS 202.80 ZAE 135.67 ETE 168.11 ZAC 141.49 ETC 33.09 CLP 13.55

PLANETOCENTRIC CONIC

C3 103.716 VHL 10.184 CLA 6.95 RAL 153.80 RAD 6570.0 VEL 15.002 PTH 2.70 VHP 17.223 DPA 27.66 RAP 122.52 ECC 2.7069
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 33 42 2829.71 -28.27 83.99 47.09 91.73 8 20 52 2229.7 -27.73 75.37
 90.00 21 16 1 5039.68 23.51 222.24 40.72 73.75 22 40 1 4439.7 21.06 214.43
 100.00 8 58 22 2556.64 -29.81 63.85 47.03 92.26 9 40 58 1956.6 -29.18 55.10
 100.00 22 34 2 4787.98 24.99 203.25 40.23 73.05 23 53 50 4188.0 22.43 195.39
 110.00 10 14 12 2319.32 -34.00 45.57 46.77 93.76 10 52 51 1719.3 -33.11 36.45
 110.00 23 34 42 4598.07 28.98 187.59 38.78 71.03 24 51 20 3998.1 26.12 179.38

DIFFERENTIAL CORRECTIONS

TDE 1.1771 TRA-2.8180 TC3 -.2289 BAU .3217
 RDE -.6993 RRA -.5248 RC3 .0375 FAU .01302
 FDE -.7036 FRA 1.4348 FC3 -.1087 BSP 7785
 BDE 1.3692 BRA 2.8665 BC3 .2320 FSP -244

MID-COURSE EXECUTION ACCURACY

SGT 1790.8 SGR 499.1 SG3 80.5
 RRT .2001 RRF -.2218 RTF -.8742
 SGB 1859.0 R23 -.0335 R13 -.8749
 SG1 1793.8 SG2 488.2 THA 3.45

ORBIT DETERMINATION ACCURACY

ST 817.5 SR 403.4 SS 692.0
 CRT -.6604 CRS -.7140 CST .9968
 LSA 1107.8 MSA 287.2 SSA 16.6
 EL1 865.6 EL2 286.1 ALF 159.63

LAUNCH DATE APR 10 1967

FLIGHT TIME 112.00

ARRIVAL DATE JUL 31 1967

HELIOCENTRIC CONIC

DISTANCE 242.020

RL 149.87 LAL .00 LOL 199.44 VL 23.911 GAL 17.86 AZL 91.81 MCA 89.10 SMA 110.66 ECC .45585 INC 1.8082 V1 29.731
 RP 108.89 LAP -1.81 LOP 288.54 VP 35.189 GAP -27.11 AZP 90.03 TAL 155.58 TAP 244.68 RCA 60.21 APO 161.10 V2 34.802
 RC 59.876 GL -4.20 GP 5.38 ZAL 45.74 ZAP 13.41 ETS 205.72 ZAE 136.71 ETE 166.76 ZAC 139.70 ETC 31.96 CLP 12.30

PLANETOCENTRIC CONIC

C3 95.982 VHL 9.797 CLA 6.18 RAL 154.23 RAD 6569.9 VEL 14.742 PTH 2.67 VHP 16.576 DPA 27.59 RAP 124.70 ECC 2.5386
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 41 19 2788.64 -28.15 81.00 45.83 93.22 8 27 47 2188.6 -27.40 72.41
 90.00 21 11 46 5047.60 23.66 222.77 40.22 73.97 22 35 53 4447.6 21.24 214.94
 100.00 9 5 35 2516.82 -29.67 60.90 45.72 93.81 9 47 32 1916.8 -28.83 52.20
 100.00 22 30 10 4794.65 25.13 203.70 39.74 73.25 23 50 5 4194.7 22.59 195.82
 110.00 10 20 32 2282.24 -33.80 42.70 45.33 95.45 10 58 35 1682.2 -32.68 33.64
 110.00 23 31 42 4602.00 29.07 187.66 38.32 71.17 24 48 24 4002.0 26.22 179.53

DIFFERENTIAL CORRECTIONS

TDE 1.1211 TRA-2.8938 TC3 -.2597 BAU .3377
 RDE -.6554 RRA -.5151 RC3 .0425 FAU .01282
 FDE -.7246 FRA 1.4936 FC3 -.1156 BSP 6509
 BDE 1.2986 BRA 2.9393 BC3 .2632 FSP -238

MID-COURSE EXECUTION ACCURACY

SGT 1893.8 SGR 495.6 SG3 86.5
 RRT .2367 RRF -.2471 RTF -.8743
 SGB 1957.6 R23 -.0267 R13 -.8749
 SG1 1897.7 SG2 480.6 THA 3.79

ORBIT DETERMINATION ACCURACY

ST 831.2 SR 393.9 SS 714.8
 CRT -.6258 CRS -.7042 CST .9940
 LSA 1127.3 MSA 292.9 SSA 17.2
 EL1 871.9 EL2 292.9 ALF 161.29

LAUNCH DATE APR 10 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 2 1967

HELIOCENTRIC CONIC

DISTANCE 248.640

RL 149.87 LAL .00 LOL 199.44 VL 24.182 GAL 17.18 AZL 91.97 MCA 92.26 SMA 111.87 ECC .43876 INC 1.9653 V1 29.731
 RP 108.90 LAP -1.96 LOP 291.71 VP 35.370 GAP -25.98 AZP 89.92 TAL 154.87 TAP 247.13 RCA 62.79 APO 160.96 V2 34.797
 RC 57.979 GL -4.82 GP 5.68 ZAL 45.16 ZAP 12.41 ETS 209.25 ZAE 137.83 ETE 165.24 ZAC 137.89 ETC 30.94 CLP 11.05

PLANETOCENTRIC CONIC

C3 88.855 VHL 9.426 CLA 5.37 RAL 154.59 RAD 6569.7 VEL 14.498 PTH 2.63 VHP 15.947 DPA 27.51 RAP 126.87 ECC 2.4623
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 48 52 2746.43 -27.95 77.92 44.48 94.75 8 34 38 2146.4 -27.00 69.39
 90.00 21 7 6 5055.95 23.82 223.34 39.64 74.21 22 31 22 4455.9 21.42 215.48
 100.00 9 12 45 2475.88 -29.45 57.88 44.33 95.38 9 54 1 1875.9 -28.39 49.23
 100.00 22 25 55 4801.72 25.26 204.18 39.18 73.47 23 45 56 4201.7 22.76 196.28
 110.00 10 26 48 2244.11 -33.51 39.76 43.80 97.17 11 4 12 1644.1 -32.16 30.79
 110.00 23 28 21 4606.26 29.16 187.96 37.79 71.32 24 45 7 4006.3 26.33 179.92

DIFFERENTIAL CORRECTIONS

TDE 1.1214 TRA-2.9100 TC3 -.2682 BAU .3237
 RDE -.6107 RRA -.5045 RC3 .0485 FAU .01311
 FDE -.7577 FRA 1.5445 FC3 -.1277 BSP 6603
 BDE 1.2769 BRA 2.9534 BC3 .2725 FSP -255

MID-COURSE EXECUTION ACCURACY

SGT 1968.9 SGR 490.9 SG3 93.0
 RRT .2565 RRF -.2677 RTF -.8809
 SGB 2029.1 R23 -.0288 R13 -.8815
 SG1 1973.1 SG2 473.5 THA 3.88

ORBIT DETERMINATION ACCURACY

ST 865.4 SR 382.5 SS 744.8
 CRT -.6157 CRS -.7003 CST .9932
 LSA 1168.6 MSA 289.7 SSA 17.4
 EL1 900.8 EL2 289.6 ALF 162.96

LAUNCH DATE APR 10 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 4 1967

HELIOCENTRIC CONIC

DISTANCE 255.290

RL 149.87 LAL .00 LOL 199.44 VL 24.437 GAL 16.52 AZL 92.12 MCA 95.42 SMA 113.05 ECC .42232 INC 2.1230 V1 29.731
 RP 108.92 LAP -2.11 LOP 294.87 VP 35.540 GAP -24.90 AZP 89.80 TAL 154.19 TAP 249.61 RCA 65.31 APO 160.80 V2 34.793
 RC 56.154 GL -5.49 GP 6.02 ZAL 44.64 ZAP 11.48 ETS 213.52 ZAE 139.03 ETE 163.54 ZAC 136.06 ETC 30.02 CLP 9.80

PLANETOCENTRIC CONIC

C3 82.308 VHL 9.072 CLA 4.54 RAL 154.89 RAD 6569.6 VEL 14.271 PTH 2.60 VHP 15.336 DPA 27.44 RAP 129.05 ECC 2.3546
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 56 24 2703.05 -27.66 74.78 43.04 96.30 8 41 27 2103.1 -26.50 66.31
 90.00 21 2 1 5064.93 23.98 223.94 39.01 74.47 22 26 26 4464.9 21.62 216.07
 100.00 9 19 52 2433.81 -29.14 54.79 42.85 96.98 10 0 26 1833.8 -27.87 46.21
 100.00 22 21 14 4809.41 25.41 204.71 38.57 73.70 23 41 23 4209.4 22.93 196.78
 110.00 10 33 0 2204.92 -33.14 36.76 42.19 98.90 11 9 45 1604.9 -31.56 27.89
 110.00 23 24 35 4611.06 29.27 188.29 37.21 71.49 24 41 26 4011.1 26.46 180.23

DIFFERENTIAL CORRECTIONS

TDE 1.1189 TRA-2.9263 TC3 -.2772 BAU .3110
 RDE -.5665 RRA -.4945 RC3 .0551 FAU .01340
 FDE -.7924 FRA 1.5986 FC3 -.1410 BSP 6643
 BDE 1.2541 BRA 2.9678 BC3 .2826 FSP -272

MID-COURSE EXECUTION ACCURACY

SGT 2046.7 SGR 486.0 SG3 100.1
 RRT .2791 RRF -.2910 RTF -.8869
 SGB 2103.6 R23 -.0312 R13 -.8875
 SG1 2051.5 SG2 465.6 THA 4.00

ORBIT DETERMINATION ACCURACY

ST 899.4 SR 369.9 SS 775.8
 CRT -.6029 CRS -.6947 CST .9922
 LSA 1210.5 MSA 286.3 SSA 17.5
 EL1 929.6 EL2 285.5 ALF 164.58

LAUNCH DATE APR 10 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 6 1967

HELIOCENTRIC CONIC

DISTANCE 261.967

RL 149.87 LAL .00 LOL 199.44 VL 24.677 GAL 15.90 AZL 92.28 HCA 98.58 SMA 114.20 ECC .40654 INC 2.2823 V1 29.731
 RP 108.93 LAP -2.26 LOP 298.03 VP 35.703 GAP -23.85 AZP 89.66 TAL 153.54 TAP 252.11 RCA 67.77 APO 160.63 V2 34.790
 RC 54.407 GL -6.21 GP 6.38 ZAL 44.17 ZAP -10.65 ETS 218.69 ZAE 140.30 ETE 161.61 ZAC 134.20 ETC 29.18 CLP 8.55

PLANETOCENTRIC CONIC

C3 76.299 VML 8.735 DLA 3.67 RAL 155.14 RAD 6569.5 VEL 14.059 PTH 2.56 VMP 14.743 DPA 27.38 RAP 131.22 ECC 2.2557
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 3 55 2658.44 -27.29 71.57 41.53 97.87 8 48 14 2058.4 -25.92 63.17
 90.00 20 56 28 5074.75 24.16 224.61 38.33 74.76 22 21 3 4474.8 21.83 216.71
 100.00 9 26 59 2390.54 -28.74 51.63 41.29 98.59 10 6 49 1790.5 -27.25 43.14
 100.00 22 16 6 4817.89 25.57 205.28 37.89 73.97 23 36 24 4217.9 23.13 197.34
 110.00 10 39 10 2164.62 -32.67 33.71 40.52 100.65 11 15 14 1564.6 -30.86 24.95
 110.00 23 20 24 4616.57 29.38 188.68 36.57 71.69 24 37 21 4016.6 26.60 180.60

DIFFERENTIAL CORRECTIONS

TDE 1.1284 TRA-2.9284 TC3 -.2794 BAU .2921
 RDE -.5226 RRA -.4850 RC3 .0626 FAU .01384
 FDE -.8323 FRA 1.6530 FC3 -.1571 BSP 6977
 BDE 1.2435 BRA 2.9683 BC3 .2863 FSP -297

MID-COURSE EXECUTION ACCURACY

SGT 2119.2 SGR 480.7 SG3 107.7
 RRT .3009 RRF -.3158 RTF -.8939
 SGB 2173.0 R23 -.0353 R13 -.8946
 SG1 2124.4 SG2 457.3 THA 4.09

ORBIT DETERMINATION ACCURACY

ST 938.9 SR 355.9 SS 810.0
 CRT -.5942 CRS -.6891 CST .9919
 LSA 1259.1 MSA 280.5 SSA 17.5
 EL1 964.6 EL2 278.6 ALF 166.13

LAUNCH DATE APR 10 1967

FLIGHT TIME 120.00

ARRIVAL DATE AUG 8 1967

HELIOCENTRIC CONIC

DISTANCE 268.666

RL 149.87 LAL .00 LOL 199.44 VL 24.902 GAL 15.30 AZL 92.44 HCA 101.74 SMA 115.31 ECC .39140 INC 2.4443 V1 29.731
 RP 108.93 LAP -2.39 LOP 301.19 VP 35.857 GAP -22.83 AZP 89.50 TAL 152.91 TAP 254.65 RCA 70.18 APO 160.44 V2 34.787
 RC 52.748 GL -6.99 GP 6.79 ZAL 43.76 ZAP 9.94 ETS 224.88 ZAE 141.64 ETE 159.42 ZAC 132.33 ETC 28.42 CLP 7.28

PLANETOCENTRIC CONIC

C3 70.794 VML 8.414 DLA 2.76 RAL 155.33 RAD 6569.4 VEL 13.862 PTH 2.53 VMP 14.168 DPA 27.33 RAP 133.40 ECC 2.1651
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 11 29 2612.53 -26.82 68.29 39.96 99.45 8 55 1 2012.5 -25.24 59.98
 90.00 20 50 24 5085.64 24.35 225.35 37.59 75.08 22 15 10 4485.6 22.07 217.42
 100.00 9 34 6 2346.02 -28.25 48.42 39.68 100.22 10 13 12 1746.0 -26.54 40.03
 100.00 22 10 28 4827.99 25.75 205.93 37.17 74.27 23 30 55 4227.4 23.34 197.96
 110.00 10 45 18 2123.19 -32.11 30.60 38.78 102.41 11 20 41 1523.2 -30.07 21.99
 110.00 23 15 46 4622.98 29.52 189.13 35.88 71.93 24 32 48 4023.0 26.77 181.02

DIFFERENTIAL CORRECTIONS

TDE 1.1356 TRA-2.9301 TC3 -.2811 BAU .2744
 RDE -.4790 RRA -.4765 RC3 .0709 FAU .01430
 FDE -.8749 FRA 1.7107 FC3 -.1749 BSP 7266
 BDE 1.2325 BRA 2.9686 BC3 .2899 FSP -322

MID-COURSE EXECUTION ACCURACY

SGT 2193.7 SGR 475.6 SG3 116.0
 RRT .3262 RRF -.3441 RTF -.9004
 SGB 2244.6 R23 -.0398 R13 -.9011
 SG1 2199.4 SG2 448.4 THA 4.22

ORBIT DETERMINATION ACCURACY

ST 978.5 SR 340.4 SS 845.8
 CRT -.5820 CRS -.6810 CST .9914
 LSA 1308.9 MSA 274.4 SSA 17.5
 EL1 999.9 EL2 270.9 ALF 167.63

LAUNCH DATE APR 10 1967

FLIGHT TIME 122.00

ARRIVAL DATE AUG 10 1967

HELIOCENTRIC CONIC

DISTANCE 275.386

RL 149.87 LAL .00 LOL 199.44 VL 25.114 GAL 14.73 AZL 92.61 HCA 104.89 SMA 116.38 ECC .37692 INC 2.6101 V1 29.731
 RP 108.94 LAP -2.52 LOP 304.35 VP 36.002 GAP -21.85 AZP 89.33 TAL 152.32 TAP 257.21 RCA 72.52 APO 160.25 V2 34.786
 RC 51.183 GL -7.84 GP 7.24 ZAL 43.42 ZAP 9.40 ETS 232.15 ZAE 143.03 ETE 156.92 ZAC 130.45 ETC 27.74 CLP 6.01

PLANETOCENTRIC CONIC

C3 65.760 VML 8.109 DLA 1.80 RAL 155.45 RAD 6569.3 VEL 13.679 PTH 2.50 VMP 13.611 DPA 27.31 RAP 135.57 ECC 2.0822
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 19 6 2565.26 -26.25 64.95 38.33 101.03 9 1 51 1965.3 -24.46 56.74
 90.00 20 43 47 5097.85 24.56 226.18 36.82 75.45 22 8 45 4497.8 22.32 218.22
 100.00 9 41 17 2300.19 -27.65 45.14 38.01 101.84 10 19 37 1700.2 -25.74 36.86
 100.00 22 4 17 4838.15 25.95 206.67 36.41 74.61 23 24 55 4238.2 23.58 198.67
 110.00 10 51 26 2080.57 -31.44 27.46 37.00 104.16 11 26 7 1480.6 -29.18 18.99
 110.00 23 10 37 4630.53 29.68 189.66 35.15 72.20 24 27 47 4030.5 26.96 181.53

DIFFERENTIAL CORRECTIONS

TDE 1.1418 TRA-2.9311 TC3 -.2819 BAU .2576
 RDE -.4357 RRA -.4694 RC3 .0799 FAU .01479
 FDE -.9207 FRA 1.7721 FC3 -.1947 BSP 7530
 BDE 1.2221 BRA 2.9684 BC3 .2931 FSP -349

MID-COURSE EXECUTION ACCURACY

SGT 2270.0 SGR 470.8 SG3 125.0
 RRT .3554 RRF -.3764 RTF -.9064
 SGB 2318.3 R23 -.0447 R13 -.9071
 SG1 2276.4 SG2 438.8 THA 4.38

ORBIT DETERMINATION ACCURACY

ST 1018.5 SR 323.5 SS 883.6
 CRT -.5660 CRS -.6697 CST .9909
 LSA 1360.4 MSA 268.1 SSA 17.5
 EL1 1036.0 EL2 262.2 ALF 169.10

LAUNCH DATE APR 10 1967

FLIGHT TIME 124.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 282.121

RL 149.87 LAL .00 LOL 199.44 VL 25.314 GAL 14.18 AZL 92.78 HCA 108.05 SMA 117.42 ECC .36307 INC 2.7807 V1 29.731
 RP 108.94 LAP -2.64 LOP 307.51 VP 36.140 GAP -20.90 AZP 89.14 TAL 151.75 TAP 259.80 RCA 74.78 APO 160.05 V2 34.784
 RC 49.723 GL -8.76 GP 7.75 ZAL 43.14 ZAP 9.07 ETS 240.39 ZAE 144.46 ETE 154.04 ZAC 128.55 ETC 27.12 CLP 4.73

PLANETOCENTRIC CONIC

C3 61.166 VML 7.821 DLA .79 RAL 155.51 RAD 6569.1 VEL 13.510 PTH 2.47 VMP 13.072 DPA 27.31 RAP 137.74 ECC 2.0066
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 26 49 2516.53 -25.57 61.55 36.65 102.61 9 8 45 1916.5 -23.57 53.44
 90.00 20 36 32 5111.65 24.80 227.12 36.00 75.87 22 1 44 4511.7 22.61 219.13
 100.00 9 48 31 2252.97 -26.94 41.81 36.30 103.46 10 26 4 1653.0 -24.82 33.65
 100.00 21 57 31 4850.45 26.16 207.52 35.61 75.00 23 18 21 4250.4 23.85 199.49
 110.00 10 57 37 2036.72 -30.67 24.28 35.18 105.89 11 31 33 1436.7 -28.19 15.96
 110.00 23 4 55 4639.46 29.86 190.29 34.39 72.54 24 22 15 4039.5 27.18 182.12

DIFFERENTIAL CORRECTIONS

TDE 1.1486 TRA-2.9294 TC3 -.2809 BAU .2412
 RDE -.3924 RRA -.4637 RC3 .0899 FAU .01531
 FDE -.9707 FRA 1.8370 FC3 -.2167 BSP 7796
 BDE 1.2138 BRA 2.9659 BC3 .2949 FSP -379

MID-COURSE EXECUTION ACCURACY

SGT 2346.8 SGR 466.7 SG3 134.7
 RRT .3885 RRF -.4129 RTF -.9121
 SGB 2392.8 R23 -.0503 R13 -.9129
 SG1 2354.1 SG2 428.7 THA 4.57

ORBIT DETERMINATION ACCURACY

ST 1059.6 SR 305.0 SS 923.6
 CRT -.5455 CRS -.6543 CST .9904
 LSA 1414.3 MSA 261.2 SSA 17.5
 EL1 1073.4 EL2 252.4 ALF 170.55

LAUNCH DATE APR 10 1967

FLIGHT TIME 126.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 288.868

RL 149.87 LAL .00 LOL 199.44 VL 25.500 GAL 13.66 AZL 92.96 MCA 111.21 SMA 118.41 ECC .34986 INC 2.9575 VI 29.731
 RP 108.94 LAP -2.76 LOP 310.68 VP 36.271 GAP -19.98 AZP 88.93 TAL 151.21 TAP 262.42 RCA 76.98 APO 159.84 V2 34.784
 RC 48.377 GL -9.75 GP 8.31 ZAL 42.94 ZAP 8.99 ETS 249.29 ZAE 145.89 ETE 150.74 ZAC 126.63 ETC 26.56 CLP 3.44

PLANETOCENTRIC CONIC

C3 56.983 VML 7.549 DLA -.28 RAL 155.51 RAD 6569.0 VEL 13.354 PTH 2.44 VMP 12.549 OPA 27.35 RAP 139.92 ECC 1.9378
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 34 40 2466.23 -24.77 58.07 34.94 104.17 9 15 47 1866.2 -22.58 50.09
 90.00 20 28 37 5127.37 25.05 228.20 35.16 76.35 21 54 4 4527.4 22.93 220.18
 100.00 9 55 53 2204.26 -26.13 38.42 34.55 109.07 10 32 37 1604.3 -23.80 30.39
 100.00 21 50 5 4864.57 26.41 208.50 34.78 75.46 23 11 10 4264.6 24.15 200.43
 110.00 11 3 50 1991.56 -29.78 21.06 33.34 107.61 11 37 2 1391.6 -27.09 12.91
 110.00 22 58 37 4650.03 30.08 191.04 33.61 72.93 24 16 8 4050.0 27.45 182.83

DIFFERENTIAL CORRECTIONS

TOE 1.1669 TRA-2.9145 TC3 -.2701 BAU .2197
 ROE -.3486 RRA -.4596 RC3 .1011 FAU .01602
 FDE-1.0233 FRA 1.9026 FC3 -.2433 BSP 8354
 BDE 1.2178 BRA 2.9505 BC3 .2884 FSP -418

MID-COURSE EXECUTION ACCURACY

SGT 2417.5 SGR 463.7 SG3 145.3
 RRT .4239 RRF -.4530 RTF -.9187
 SGB 2461.6 R23 -.0569 R13 -.9196
 SGI 2425.8 SG2 418.5 TMA 4.79

ORBIT DETERMINATION ACCURACY

ST 1106.8 SR 284.6 SS 968.0
 CRT -.5237 CRS -.6342 CST .9904
 LSA 1476.2 MSA 252.1 SSA 17.4
 ELI 1117.3 EL2 240.2 ALF 171.96

LAUNCH DATE APR 10 1967

FLIGHT TIME 128.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 295.627

RL 149.87 LAL .00 LOL 199.44 VL 25.675 GAL 13.16 AZL 93.14 MCA 114.36 SMA 119.36 ECC .33726 INC 3.1422 VI 29.731
 RP 108.94 LAP -2.86 LOP 313.84 VP 36.395 GAP -19.09 AZP 88.70 TAL 150.71 TAP 265.07 RCA 79.11 APO 159.62 V2 34.784
 RC 47.155 GL -10.83 GP 8.95 ZAL 42.81 ZAP 9.20 ETS 258.32 ZAE 147.29 ETE 146.94 ZAC 124.70 ETC 26.06 CLP 2.13

PLANETOCENTRIC CONIC

C3 53.191 VML 7.293 DLA -1.41 RAL 155.43 RAD 6568.9 VEL 13.212 PTH 2.41 VMP 12.045 OPA 27.43 RAP 142.10 ECC 1.8754
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 42 44 2414.26 -23.86 54.54 33.21 105.72 9 22 58 1814.3 -21.47 46.68
 90.00 20 19 56 5145.38 25.34 229.45 34.30 76.91 21 45 41 4545.4 23.28 221.38
 100.00 10 3 25 2153.98 -25.19 34.98 32.78 106.65 10 39 19 1554.0 -22.67 27.09
 100.00 21 41 56 4880.90 26.68 209.64 33.94 76.00 23 3 17 4280.9 24.50 201.52
 110.00 11 10 10 1945.04 -28.78 17.81 31.48 109.29 11 42 35 1345.0 -25.88 9.83
 110.00 22 51 40 4662.60 30.32 191.93 32.81 73.41 24 9 23 4062.6 27.75 183.64

DIFFERENTIAL CORRECTIONS

TOE 1.1677 TRA-2.9167 TC3 -.2703 BAU .2083
 ROE -.3048 RRA -.4582 RC3 .1129 FAU .01652
 FDE-1.0864 FRA 1.9777 FC3 -.2689 BSP 8411
 BDE 1.2069 BRA 2.9524 BC3 -.2930 FSP -448

MID-COURSE EXECUTION ACCURACY

SGT 2500.1 SGR 462.7 SG3 156.9
 RRT .4674 RRF -.4996 RTF -.9230
 SGB 2542.6 R23 -.0638 R13 -.9240
 SGI 2509.7 SG2 407.5 TMA 5.08

ORBIT DETERMINATION ACCURACY

ST 1146.5 SR 262.8 SS 1012.2
 CRT -.4829 CRS -.6025 CST .9895
 LSA 1532.1 MSA 246.0 SSA 17.4
 ELI 1153.8 EL2 228.6 ALF 173.43

LAUNCH DATE APR 10 1967

FLIGHT TIME 130.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 302.391

RL 149.87 LAL .00 LOL 199.44 VL 25.839 GAL 12.68 AZL 93.34 MCA 117.52 SMA 120.28 ECC .32526 INC 3.3363 VI 29.731
 RP 108.94 LAP -2.96 LOP 317.00 VP 36.511 GAP -18.22 AZP 88.46 TAL 150.24 TAP 267.76 RCA 81.16 APO 159.40 V2 34.785
 RC 46.068 GL -12.00 GP 9.67 ZAL 42.78 ZAP 9.70 ETS 266.90 ZAE 148.60 ETE 142.58 ZAC 122.76 ETC 25.62 CLP .80

PLANETOCENTRIC CONIC

C3 49.759 VML 7.054 DLA -2.61 RAL 155.27 RAD 6568.8 VEL 13.081 PTH 2.39 VMP 11.558 OPA 27.58 RAP 144.29 ECC 1.8189
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 51 2 2360.42 -22.82 50.94 31.46 107.24 9 30 22 1760.4 -20.25 43.21
 90.00 20 10 24 5166.07 25.65 230.88 33.43 77.57 21 36 30 4566.1 23.68 222.77
 100.00 10 11 9 2101.95 -24.13 31.47 31.00 108.20 10 46 11 1501.9 -21.42 23.73
 100.00 21 32 57 4899.78 26.99 210.96 33.09 76.63 22 54 37 4299.8 24.88 202.79
 110.00 11 16 37 1897.04 -27.66 14.53 29.61 110.94 11 48 14 1297.0 -24.56 6.73
 110.00 22 43 59 4677.46 30.61 193.00 32.01 73.98 24 1 58 4077.5 28.11 184.69

DIFFERENTIAL CORRECTIONS

TOE 1.2056 TRA-2.8800 TC3 -.2399 BAU .1804
 ROE -.2592 RRA -.4584 RC3 .1266 FAU .01759
 FDE-1.1620 FRA 2.0457 FC3 -.3061 BSP 9365
 BDE 1.2332 BRA 2.9163 BC3 .2712 FSP -506

MID-COURSE EXECUTION ACCURACY

SGT 2560.7 SGR 463.9 SG3 169.4
 RRT .5104 RRF -.5480 RTF -.9308
 SGB 2602.4 R23 -.0712 R13 -.9320
 SGI 2571.9 SG2 397.2 TMA 5.41

ORBIT DETERMINATION ACCURACY

ST 1205.2 SR 238.5 SS 1066.2
 CRT -.4442 CRS -.5611 CST .9906
 LSA 1609.8 MSA 233.1 SSA 17.1
 ELI 1210.0 EL2 212.8 ALF 174.82

LAUNCH DATE APR 10 1967

FLIGHT TIME 132.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 309.154

RL 149.87 LAL .00 LOL 199.44 VL 25.993 GAL 12.22 AZL 93.54 MCA 120.68 SMA 121.15 ECC .31384 INC 3.5418 VI 29.731
 RP 108.93 LAP -3.05 LOP 320.17 VP 36.622 GAP -17.38 AZP 88.19 TAL 149.80 TAP 270.48 RCA 83.13 APO 159.17 V2 34.787
 RC 45.125 GL -13.28 GP 10.48 ZAL 42.84 ZAP 10.49 ETS 274.58 ZAE 149.77 ETE 137.61 ZAC 120.80 ETC 25.22 CLP -.55

PLANETOCENTRIC CONIC

C3 46.667 VML 6.831 DLA -3.89 RAL 155.03 RAD 6568.7 VEL 12.963 PTH 2.36 VMP 11.088 OPA 27.80 RAP 146.49 ECC 1.7680
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 59 38 2304.51 -21.64 47.26 29.71 108.72 9 38 3 1704.5 -18.89 39.67
 90.00 19 59 53 5189.90 25.99 232.54 32.56 78.34 21 26 23 4589.9 24.12 224.37
 100.00 10 19 10 2047.98 -22.94 27.91 29.22 109.71 10 53 18 1448.0 -20.04 20.31
 100.00 21 23 3 4921.66 27.32 212.50 32.24 77.38 22 45 4 4321.7 25.31 204.27
 110.00 11 23 14 1847.40 -26.40 11.21 27.75 112.54 11 54 1 1247.4 -23.12 3.60
 110.00 22 35 28 4695.00 30.93 194.26 31.21 74.66 23 53 43 4095.0 28.52 185.89

DIFFERENTIAL CORRECTIONS

TOE 1.3048 TRA-2.7671 TC3 -.1532 BAU .1308
 ROE -.2105 RRA -.4603 RC3 .1432 FAU .01967
 FDE-1.2656 FRA 2.0962 FC3 -.3650 BSP 11691
 BDE 1.3216 BRA 2.8051 BC3 .2097 FSP -610

MID-COURSE EXECUTION ACCURACY

SGT 2579.2 SGR 468.2 SG3 182.9
 RRT .5516 RRF -.5974 RTF -.9444
 SGB 2621.4 R23 -.0772 R13 -.9457
 SGI 2592.4 SG2 388.5 TMA 5.85

ORBIT DETERMINATION ACCURACY

ST 1297.9 SR 211.4 SS 1136.1
 CRT -.4091 CRS -.5024 CST .9943
 LSA 1725.2 MSA 208.9 SSA 16.1
 ELI 1300.9 EL2 192.5 ALF 176.10

LAUNCH DATE APR 10 1967

FLIGHT TIME 134.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 315.941

RL 149.87 LAL .00 LOL 199.44 VL 26.136 GAL 11.80 AZL 93.76 MCA 123.83 SMA 121.98 ECC .30309 INC 3.7613 V1 29.731
 RP 108.93 LAP -3.12 LOP 323.34 VP 36.726 GAP -16.57 AZP 87.90 TAL 149.38 TAP 273.22 RCA 85.01 APO 158.96 V2 34.790
 RC 44.335 GL -14.67 GP 11.40 ZAL 43.00 ZAP 11.56 ETS 281.08 ZAE 150.72 ETE 132.01 ZAC 118.81 ETC 24.87 CLP -1.91

PLANETOCENTRIC CONIC

C3 43.947 VML 6.629 DLA -5.26 RAL 154.73 RAD 6568.7 VEL 12.857 PTH 2.34 VMP 10.639 DPA 28.11 RAP 148.71 ECC 1.7233
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 8 44 2246.57 -20.33 43.52 28.00 110.14 9 46 10 1646.6 -17.41 36.06
 90.00 19 48 21 5217.66 26.35 234.49 31.73 79.25 21 15 18 4617.7 24.60 226.26
 100.00 10 27 35 1992.16 -21.61 24.30 27.49 111.17 11 0 48 1392.2 -18.54 16.85
 100.00 21 12 10 4947.30 27.69 214.31 31.44 78.27 22 34 37 4347.3 25.79 206.03
 110.00 11 30 9 1796.28 -25.03 7.88 25.94 114.08 12 0 6 1196.3 -21.56 .44
 110.00 22 26 5 4715.94 31.30 195.78 30.47 75.50 23 44 41 4115.9 28.99 187.34

DIFFERENTIAL CORRECTIONS

TDE 1.1362 TRA-2.9549 TC3 -.3015 BAU .1988
 RDE -.1678 RRA -.4737 RC3 .1537 FAU .01741
 FDE -1.2849 FRA 2.2497 FC3 -.3430 BSP 7602
 BDE 1.1486 BRA 2.9926 BC3 .3384 FSP -523

MID-COURSE EXECUTION ACCURACY

SGT 2775.2 SGR 481.3 SG3 198.0
 RRT .6219 RRF -.6658 RTF -.9302
 SGB 2816.6 R23 -.0978 R13 -.9318
 SG1 2791.6 SG2 374.7 TMA 6.27

ORBIT DETERMINATION ACCURACY

ST 1247.6 SR 190.5 SS 1154.2
 CRT -.2003 CRS -.3710 CST .9838
 LSA 1693.6 MSA 237.5 SSA 17.2
 EL1 1248.2 EL2 186.6 ALF 178.21

LAUNCH DATE APR 10 1967

FLIGHT TIME 136.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 322.710

RL 149.87 LAL .00 LOL 199.44 VL 26.270 GAL 11.38 AZL 94.00 MCA 126.99 SMA 122.78 ECC .29284 INC 3.9977 V1 29.731
 RP 108.92 LAP -3.19 LOP 326.50 VP 36.825 GAP -15.78 AZP 87.59 TAL 149.01 TAP 276.00 RCA 86.82 APO 158.73 V2 34.793
 RC 43.707 GL -16.18 GP 12.46 ZAL 43.28 ZAP 12.88 ETS 286.40 ZAE 151.35 ETE 125.46 ZAC 116.81 ETC 24.56 CLP -3.31

PLANETOCENTRIC CONIC

C3 41.517 VML 6.443 DLA -6.72 RAL 154.32 RAD 6568.6 VEL 12.763 PTH 2.32 VMP 10.208 DPA 28.53 RAP 150.96 ECC 1.6833
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 18 18 2185.88 -18.86 39.67 26.30 111.52 9 54 44 1585.9 -15.77 32.36
 90.00 19 35 30 5249.68 26.74 236.76 30.91 80.32 21 3 0 4649.7 25.13 228.46
 100.00 10 36 26 1933.81 -20.13 20.59 25.76 112.58 11 8 40 1333.8 -16.89 13.29
 100.00 21 0 3 4976.98 28.08 216.43 30.64 79.32 22 23 0 4377.0 26.32 208.07
 110.00 11 37 21 1743.10 -23.51 4.50 24.13 115.56 12 6 24 1143.1 -19.87 357.24
 110.00 22 15 38 4740.46 31.70 197.58 29.75 76.49 23 34 38 4140.5 29.52 189.05

DIFFERENTIAL CORRECTIONS

TDE 1.1834 TRA-2.9115 TC3 -.2615 BAU .1735
 RDE -.1160 RRA -.4853 RC3 .1710 FAU .01861
 FDE -1.3872 FRA 2.3311 FC3 -.3881 BSP 8573
 BDE 1.1891 BRA 2.9516 BC3 .3125 FSP -592

MID-COURSE EXECUTION ACCURACY

SGT 2831.4 SGR 498.1 SG3 213.9
 RRT .6736 RRF -.7218 RTF -.9374
 SGB 2874.8 R23 -.1077 R13 -.9392
 SG1 2851.5 SG2 365.5 TMA 6.87

ORBIT DETERMINATION ACCURACY

ST 1311.1 SR 166.4 SS 1220.1
 CRT -.0306 CRS -.1979 CST .9855
 LSA 1784.7 MSA 224.0 SSA 16.7
 EL1 1311.1 EL2 166.3 ALF 179.77

LAUNCH DATE APR 10 1967

FLIGHT TIME 138.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 329.479

RL 149.87 LAL .00 LOL 199.44 VL 26.395 GAL 10.99 AZL 94.25 MCA 130.15 SMA 123.53 ECC .28315 INC 4.2546 V1 29.731
 RP 108.90 LAP -3.25 LOP 329.67 VP 36.918 GAP -15.01 AZP 87.25 TAL 148.66 TAP 278.81 RCA 88.55 APO 158.51 V2 34.797
 RC 43.245 GL -17.83 GP 13.67 ZAL 43.70 ZAP 14.45 ETS 290.61 ZAE 151.58 ETE 119.28 ZAC 114.77 ETC 24.30 CLP -4.73

PLANETOCENTRIC CONIC

C3 39.406 VML 6.277 DLA -8.30 RAL 153.81 RAD 6568.5 VEL 12.680 PTH 2.30 VMP 9.797 DPA 29.08 RAP 153.25 ECC 1.6485
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 28 32 2122.27 -17.23 35.72 24.65 112.83 10 3 55 1522.3 -13.99 28.54
 90.00 19 21 13 5286.94 27.14 239.41 30.14 81.59 20 49 20 4686.9 25.70 231.04
 100.00 10 45 52 1872.82 -18.49 16.81 24.08 113.92 11 17 5 1272.8 -15.10 9.65
 100.00 20 46 35 5011.62 28.50 218.92 29.90 80.57 22 10 6 4411.6 26.90 210.49
 110.00 11 44 56 1687.84 -21.84 1.07 22.38 116.97 12 13 4 1087.8 -18.05 353.99
 110.00 22 3 59 4769.37 32.14 199.72 29.09 77.68 23 23 29 4169.4 30.11 191.09

DIFFERENTIAL CORRECTIONS

TDE 1.2122 TRA-2.8890 TC3 -.2387 BAU .1604
 RDE -.0610 RRA -.5030 RC3 .1890 FAU .01946
 FDE -1.4935 FRA 2.4249 FC3 -.4275 BSP 9003
 BDE 1.2137 BRA 2.9325 BC3 .3045 FSP -650

MID-COURSE EXECUTION ACCURACY

SGT 2900.9 SGR 524.1 SG3 231.0
 RRT .7259 RRF -.7773 RTF -.9422
 SGB 2947.8 R23 -.1204 R13 -.9442
 SG1 2926.1 SG2 357.4 TMA 7.59

ORBIT DETERMINATION ACCURACY

ST 1365.0 SR 150.1 SS 1286.1
 CRT .2423 CRS .0774 CST .9857
 LSA 1869.0 MSA 216.0 SSA 16.2
 EL1 1365.5 EL2 145.5 ALF 1.54

LAUNCH DATE APR 10 1967

FLIGHT TIME 140.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 336.244

RL 149.87 LAL .00 LOL 199.44 VL 26.512 GAL 10.62 AZL 94.54 MCA 133.30 SMA 124.24 ECC .27400 INC 4.5367 V1 29.731
 RP 108.89 LAP -3.30 LOP 332.84 VP 37.005 GAP -14.27 AZP 86.89 TAL 148.35 TAP 281.65 RCA 90.20 APO 158.28 V2 34.801
 RC 42.956 GL -19.64 GP 15.07 ZAL 44.26 ZAP 16.26 ETS 293.85 ZAE 151.34 ETE 112.50 ZAC 112.70 ETC 24.07 CLP -6.19

PLANETOCENTRIC CONIC

C3 37.609 VML 6.133 DLA -10.01 RAL 153.19 RAD 6568.5 VEL 12.609 PTH 2.29 VMP 9.408 DPA 29.80 RAP 155.60 ECC 1.6190
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 39 39 2055.19 -15.41 31.64 23.07 114.05 10 13 54 1455.2 -12.03 24.59
 90.00 19 5 12 5330.43 27.53 242.53 29.43 83.11 20 34 2 4730.4 26.29 234.09
 100.00 10 56 3 1808.72 -16.67 12.91 22.47 115.17 11 26 11 1208.7 -13.15 5.90
 100.00 20 31 29 5052.14 28.91 221.86 29.23 82.06 21 55 41 4452.1 27.51 213.34
 110.00 11 53 3 1630.20 -20.02 357.59 20.69 118.30 12 20 13 1030.2 -16.08 350.68
 110.00 21 50 58 4803.42 32.61 202.27 28.51 79.12 23 11 1 4203.4 30.77 193.53

DIFFERENTIAL CORRECTIONS

TDE 1.2471 TRA-2.8643 TC3 -.2122 BAU .1495
 RDE -.0004 RRA -.5269 RC3 .2083 FAU .02032
 FDE -1.6140 FRA 2.5216 FC3 -.4678 BSP 9449
 BDE 1.2471 BRA 2.9123 BC3 .2974 FSP -712

MID-COURSE EXECUTION ACCURACY

SGT 2968.0 SGR 561.4 SG3 249.3
 RRT .7750 RRF -.8284 RTF -.9468
 SGB 3020.7 R23 -.1332 R13 -.9492
 SG1 3000.2 SG2 351.0 TMA 8.46

ORBIT DETERMINATION ACCURACY

ST 1422.0 SR 150.2 SS 1357.5
 CRT .5701 CRS .4273 CST .9861
 LSA 1960.6 MSA 208.3 SSA 15.5
 EL1 1424.6 EL2 123.2 ALF 3.47

LAUNCH DATE APR 10 1967

FLIGHT TIME 142.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 343.002

RL 149.87 LAL .00 LOL 199.44 VL 26.620 GAL 10.27 AZL 94.85 MCA 136.46 SMA 124.92 ECC .26537 INC 4.8498 V1 29.731
 RP 108.87 LAP -3.34 LOP 336.01 VP 37.088 GAP -13.54 AZP 86.48 TAL 148.06 TAP 284.52 RCA 91.77 APO 158.07 V2 34.806
 RC 42.841 GL -21.62 GP 16.69 ZAL 44.99 ZAP 18.33 ETS 296.25 ZAE 150.56 ETE 105.82 ZAC 110.59 ETC 23.86 CLP -7.67

PLANETOCENTRIC CONIC

C3 36.135 VHL 6.011 DLA -11.85 RAL 152.46 RAD 6568.4 VEL 12.550 PTH 2.27 VMP 9.043 DPA 30.71 RAP 158.04 ECC 1.5947
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 51 53 1983.97 -13.39 27.38 21.59 115.19 10 24 56 1384.0 -9.89 20.46
 90.00 18 47 7 5381.45 27.90 246.22 28.80 84.92 20 16 48 4781.4 26.90 237.70
 100.00 11 7 12 1740.96 -14.67 8.88 20.95 116.34 11 36 13 1141.0 -11.01 2.00
 100.00 20 14 28 5099.69 29.31 225.34 28.64 83.85 21 39 28 4499.7 28.15 216.73
 110.00 12 1 50 1569.86 -18.03 354.04 19.09 119.54 12 28 0 969.9 -13.96 347.29
 110.00 21 36 20 4843.56 33.08 205.30 28.05 80.86 22 57 3 4243.6 31.47 196.45

DIFFERENTIAL CORRECTIONS

TDE 1.2860 TRA-2.8412 TC3 -.1864 BAU .1425
 RDE .0675 RRA -.5586 RC3 .2285 FAU .02110
 FDE -1.7492 FRA 2.6210 FC3 -.5056 BSP 9827
 BOE 1.2877 BRA 2.8956 BC3 .2949 FSP -776

MID-COURSE EXECUTION ACCURACY

SGT 3034.6 SGR 612.9 SG3 268.6
 RRT .8187 RRF -.8728 RTF -.9508
 SGB 3095.8 R23 -.1463 R13 -.9538
 SG1 3076.3 SG2 347.2 THA 9.51

ORBIT DETERMINATION ACCURACY

ST 1480.4 SR 175.6 SS 1433.6
 CRT .8241 CRS .7211 CST .9864
 LSA 2058.3 MSA 202.2 SSA 14.7
 EL1 1487.4 EL2 99.0 ALF 5.61

LAUNCH DATE APR 10 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 349.752

RL 149.87 LAL .00 LOL 199.44 VL 26.721 GAL 9.94 AZL 95.20 MCA 139.62 SMA 125.55 ECC .25726 INC 5.2016 V1 29.731
 RP 108.86 LAP -3.37 LOP 339.18 VP 37.166 GAP -12.84 AZP 86.03 TAL 147.81 TAP 287.42 RCA 93.25 APO 157.85 V2 34.812
 RC 42.900 GL -23.79 GP 18.59 ZAL 45.90 ZAP 20.67 ETS 297.94 ZAE 149.21 ETE 99.51 ZAC 108.40 ETC 23.68 CLP -9.19

PLANETOCENTRIC CONIC

C3 35.002 VHL 5.916 DLA -13.85 RAL 151.59 RAD 6568.4 VEL 12.505 PTH 2.26 VMP 8.707 DPA 31.87 RAP 160.58 ECC 1.5760
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 5 35 1907.62 -11.13 22.91 20.23 116.20 10 37 23 1307.6 -7.52 16.09
 90.00 18 26 28 5441.70 28.18 250.61 28.26 87.10 19 57 10 4841.7 27.48 242.01
 100.00 11 19 37 1668.75 -12.45 4.67 19.55 117.40 11 47 26 1068.8 -8.68 357.91
 100.00 19 55 7 5155.80 29.65 229.48 28.16 86.00 21 21 3 4555.8 28.78 220.78
 110.00 12 11 28 1506.36 -15.86 350.39 17.60 120.68 12 36 35 906.4 -11.67 343.79
 110.00 21 19 45 4890.96 33.54 208.93 27.72 82.96 22 41 16 4291.0 32.20 199.95

DIFFERENTIAL CORRECTIONS

TDE 1.3285 TRA-2.8226 TC3 -.1650 BAU .1398
 RDE .1452 RRA -.5998 RC3 .2491 FAU .02167
 FDE -1.8998 FRA 2.7225 FC3 -.5360 BSP 10081
 BOE 1.3365 BRA 2.8856 BC3 .2987 FSP -838

MID-COURSE EXECUTION ACCURACY

SGT 3101.5 SGR 681.6 SG3 288.7
 RRT .8551 RRF -.9092 RTF -.9543
 SGB 3175.5 R23 -.1596 R13 -.9579
 SG1 3156.5 SG2 347.2 THA 10.78

ORBIT DETERMINATION ACCURACY

ST 1539.1 SR 228.2 SS 1513.7
 CRT .9467 CRS .8823 CST .9865
 LSA 2161.6 MSA 198.5 SSA 13.8
 EL1 1554.2 EL2 72.8 ALF 8.01

LAUNCH DATE APR 10 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 356.493

RL 149.87 LAL .00 LOL 199.44 VL 26.815 GAL 9.62 AZL 95.60 MCA 142.77 SMA 126.15 ECC .24965 INC 5.6023 V1 29.731
 RP 108.84 LAP -3.39 LOP 342.35 VP 37.239 GAP -12.15 AZP 85.53 TAL 147.58 TAP 290.35 RCA 94.66 APO 157.64 V2 34.819
 RC 43.133 GL -26.17 GP 20.82 ZAL 47.03 ZAP 23.31 ETS 299.03 ZAE 147.27 ETE 93.82 ZAC 106.14 ETC 23.51 CLP -10.74

PLANETOCENTRIC CONIC

C3 34.242 VHL 5.852 DLA -16.02 RAL 150.57 RAD 6568.4 VEL 12.474 PTH 2.26 VMP 8.403 DPA 33.31 RAP 163.29 ECC 1.5635
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 21 20 1824.65 -8.60 18.13 19.06 117.08 10 51 45 1224.7 -4.90 11.40
 90.00 18 2 35 5513.58 28.32 255.86 27.82 89.73 19 34 27 4913.6 27.98 247.21
 100.00 11 33 46 1590.93 -9.97 .22 18.33 118.33 12 0 17 990.9 -6.11 353.56
 100.00 19 32 48 5222.53 29.86 234.43 27.79 88.60 20 59 51 4622.5 29.35 225.66
 110.00 12 22 15 1439.07 -13.49 346.83 16.25 121.71 12 46 14 839.1 -9.20 340.16
 110.00 21 0 49 4947.16 33.92 213.27 27.55 85.50 22 23 16 4347.2 32.93 204.17

DIFFERENTIAL CORRECTIONS

TDE 1.3870 TRA-2.7992 TC3 -.1382 BAU .1389
 RDE .2373 RRA -.6515 RC3 .2701 FAU .02219
 FDE -2.0727 FRA 2.8162 FC3 -.5610 BSP 10435
 BOE 1.4071 BRA 2.8740 BC3 .3034 FSP -905

MID-COURSE EXECUTION ACCURACY

SGT 3162.5 SGR 770.9 SG3 308.9
 RRT .8847 RRF -.9372 RTF -.9580
 SGB 3255.1 R23 -.1698 R13 -.9623
 SG1 3236.1 SG2 351.3 THA 12.32

ORBIT DETERMINATION ACCURACY

ST 1605.0 SR 306.1 SS 1600.5
 CRT .9887 CRS .9529 CST .9870
 LSA 2278.8 MSA 194.9 SSA 12.7
 EL1 1633.3 EL2 45.0 ALF 10.69

LAUNCH DATE APR 10 1967

FLIGHT TIME 148.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 363.222

RL 149.87 LAL .00 LOL 199.44 VL 26.901 GAL 9.33 AZL 96.07 MCA 145.93 SMA 126.71 ECC .24252 INC 6.0659 V1 29.731
 RP 108.81 LAP -3.39 LOP 345.52 VP 37.308 GAP -11.49 AZP 84.97 TAL 147.38 TAP 293.31 RCA 95.98 APO 157.44 V2 34.826
 RC 43.534 GL -28.80 GP 23.45 ZAL 48.39 ZAP 26.32 ETS 299.60 ZAE 144.74 ETE 88.89 ZAC 103.76 ETC 23.32 CLP -12.31

PLANETOCENTRIC CONIC

C3 33.913 VHL 5.823 DLA -18.38 RAL 149.36 RAD 6568.3 VEL 12.461 PTH 2.25 VMP 8.139 DPA 35.10 RAP 166.23 ECC 1.5581
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 40 1 1732.66 -5.71 12.91 18.13 117.78 11 8 53 1132.7 -1.95 6.25
 90.00 17 34 17 5600.70 28.18 262.23 27.46 92.92 19 7 38 5000.7 28.29 253.57
 100.00 11 50 20 1505.72 -7.18 355.43 17.33 119.10 12 15 26 905.7 -3.25 348.85
 100.00 19 6 39 5302.87 29.85 240.40 27.54 91.74 20 35 1 4702.9 29.77 231.59
 110.00 12 34 34 1367.15 -10.88 342.69 15.10 122.61 12 57 21 767.2 -6.50 336.33
 110.00 20 38 54 5014.20 34.16 218.49 27.55 88.59 22 2 29 4414.2 33.58 209.29

DIFFERENTIAL CORRECTIONS

TDE 1.4579 TRA-2.7797 TC3 -.1156 BAU .1414
 RDE .3485 RRA -.7163 RC3 .2897 FAU .02235
 FDE -2.2651 FRA 2.8999 FC3 -.5706 BSP 10720
 BOE 1.4989 BRA 2.8705 BC3 .3120 FSP -968

MID-COURSE EXECUTION ACCURACY

SGT 3222.0 SGR 884.9 SG3 328.4
 RRT .9073 RRF -.9577 RTF -.9612
 SGB 3341.3 R23 -.1772 R13 -.9664
 SG1 3321.7 SG2 360.9 THA 14.16

ORBIT DETERMINATION ACCURACY

ST 1674.8 SR 409.1 SS 1690.8
 CRT .9991 CRS .9816 CST .9875
 LSA 2407.0 MSA 193.4 SSA 11.5
 EL1 1723.9 EL2 17.2 ALF 13.71

LAUNCH DATE APR 10 1967

FLIGHT TIME 150.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

RL 149.87 LAL .00 LOL 199.44 VL 26.981 GAL 9.05 AZL 96.61 MCA 149.09 SMA 127.23 ECC .23586 INC 6.6120 V1 29.731
 RP 108.79 LAP -3.39 LOP 348.70 VP 37.373 GAP -10.84 AZP 84.32 TAL 147.20 TAP 296.29 RCA 97.22 APO 157.24 V2 34.834
 RC 44.099 GL -31.69 GP 26.57 ZAL 50.03 ZAP 29.74 ETS 299.72 ZAE 141.59 ETE 84.77 ZAC 101.24 ETC 23.09 CLP -13.89

PLANETOCENTRIC CONIC

C3 34.108 VHL 5.840 DLA -20.96 RAL 147.95 RAD 6568.3 VEL 12.469 PTH 2.26 VHP 7.927 DPA 37.30 RAP 169.50 ECC 1.5613
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 3 12 1627.17 -2.34 7.00 17.59 118.23 11 30 20 1027.2 1.46 .37
 90.00 16 59 47 5709.09 27.55 270.09 27.13 96.82 18 34 56 5109.1 28.21 261.48
 100.00 12 10 30 1409.99 -3.98 350.13 16.68 119.65 12 34 0 810.0 -.00 343.60
 100.00 18 35 10 5401.50 29.42 247.70 27.36 95.55 20 5 12 4801.5 29.88 238.92
 110.00 12 49 1 1289.28 -7.99 338.50 14.21 123.35 13 10 30 689.3 -3.55 332.23
 110.00 20 13 9 5094.98 34.11 224.80 27.74 92.32 21 38 4 4495.0 34.06 215.55

DIFFERENTIAL CORRECTIONS

TOE 1.5504 TRA-2.7616 TC3 -.0951 BAU .1464
 ROE .4868 RRA -.7959 RC3 .3066 FAU .02209
 FDE-2.4790 FRA 2.9610 FC3 -.5608 BSP 11030
 BOE 1.6250 BRA 2.8740 BC3 .3210 FSP -1026

MID-COURSE EXECUTION ACCURACY

SGT 3277.7 SGR 1027.3 SG3 345.8
 RRT .9243 RRF -.9720 RTF -.9644
 SGB 3434.9 R23 -.1801 R13 -.9707
 SG1 3414.2 SG2 376.4 TMA 16.36

ORBIT DETERMINATION ACCURACY

ST 1752.5 SR 539.5 SS 1784.2
 CRT .9991 CRS .0931 CST .9882
 LSA 2551.1 MSA 193.1 SSA 10.3
 EL1 1833.5 EL2 21.8 ALF 17.10

LAUNCH DATE APR 10 1967

FLIGHT TIME 152.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

RL 149.87 LAL .00 LOL 199.44 VL 27.055 GAL 8.80 AZL 97.27 MCA 152.24 SMA 127.72 ECC .22966 INC 7.2693 V1 29.731
 RP 108.76 LAP -3.30 LOP 351.88 VP 37.435 GAP -10.21 AZP 83.56 TAL 147.05 TAP 299.29 RCA 98.39 APO 157.06 V2 34.842
 RC 44.820 GL -34.89 GP 30.28 ZAL 51.99 ZAP 33.66 ETS 299.43 ZAE 137.79 ETE 81.39 ZAC 98.53 ETC 22.75 CLP -15.45

PLANETOCENTRIC CONIC

C3 34.985 VHL 5.915 DLA -23.77 RAL 146.27 RAD 6568.4 VEL 12.504 PTH 2.26 VHP 7.784 DPA 39.98 RAP 173.26 ECC 1.5758
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 34 28 1497.93 1.83 359.79 17.68 118.26 11 59 26 897.9 5.60 353.13
 90.00 16 15 8 5651.14 25.99 280.20 26.63 101.65 17 52 39 5251.1 27.34 271.79
 100.00 12 36 36 1297.33 -.17 343.94 16.57 119.89 12 58 14 697.3 3.81 337.41
 100.00 17 55 40 5526.97 28.24 256.83 27.12 100.22 19 27 47 4927.0 29.36 248.21
 110.00 13 6 37 1203.20 -4.75 333.95 13.72 123.89 13 26 41 603.2 -.26 327.74
 110.00 19 42 8 5193.87 33.58 232.47 28.05 96.82 21 8 42 4593.9 34.16 223.27

DIFFERENTIAL CORRECTIONS

TOE 1.6735 TRA-2.7471 TC3 -.0785 BAU .1532
 ROE .6631 RRA -.8915 RC3 .3179 FAU .02121
 FDE-2.7112 FRA 2.9843 FC3 -.5249 BSP 11371
 BOE 1.8001 BRA 2.8881 BC3 .3275 FSP -1072

MID-COURSE EXECUTION ACCURACY

SGT 3330.3 SGR 1201.9 SG3 359.0
 RRT .9369 RRF -.9816 RTF -.9673
 SGB 3540.6 R23 -.1776 R13 -.9750
 SG1 3518.2 SG2 397.7 TMA 18.93

ORBIT DETERMINATION ACCURACY

ST 1840.9 SR 702.0 SS 1877.8
 CRT .9968 CRS .9976 CST .9891
 LSA 2714.8 MSA 193.9 SSA 9.0
 EL1 1969.5 EL2 52.7 ALF 20.83

LAUNCH DATE APR 10 1967

FLIGHT TIME 154.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

RL 149.87 LAL .00 LOL 199.44 VL 27.123 GAL 8.56 AZL 98.08 MCA 155.39 SMA 128.18 ECC .22391 INC 8.0805 V1 29.731
 RP 108.74 LAP -3.36 LOP 355.05 VP 37.492 GAP -9.59 AZP 82.64 TAL 146.92 TAP 302.31 RCA 99.48 APO 156.88 V2 34.851
 RC 45.690 GL -38.42 GP 34.71 ZAL 54.30 ZAP 38.16 ETS 298.77 ZAE 133.27 ETE 78.65 ZAC 95.57 ETC 22.21 CLP -16.95

PLANETOCENTRIC CONIC

C3 36.810 VHL 6.067 DLA -26.83 RAL 144.26 RAD 6568.4 VEL 12.577 PTH 2.28 VHP 7.736 DPA 43.19 RAP 177.76 ECC 1.6058
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 26 14 1306.90 7.91 349.04 19.11 117.28 12 48 1 706.9 11.51 342.21
 90.00 15 7 20 779.83 22.19 317.01 25.26 108.06 15 20 20 179.8 24.45 309.07
 100.00 13 14 52 1149.78 4.82 335.82 17.43 119.54 13 34 2 549.8 8.72 329.21
 100.00 17 1 23 5700.22 25.55 268.99 26.39 106.07 18 36 23 5100.2 27.51 260.74
 110.00 13 29 19 1104.40 -.98 328.79 13.83 124.17 13 47 44 504.4 3.51 322.58
 110.00 19 3 25 5318.36 32.17 241.90 28.30 102.24 20 32 3 4718.4 33.52 232.93

DIFFERENTIAL CORRECTIONS

TOE 1.8416 TRA-2.7404 TC3 -.0677 BAU .1606
 ROE .8930 RRA-1.0035 RC3 .3192 FAU .01941
 FDE-2.9526 FRA 2.9506 FC3 -.4565 BSP 11759
 BOE 2.0467 BRA 2.9183 BC3 .3263 FSP -1097

MID-COURSE EXECUTION ACCURACY

SGT 3382.5 SGR 1410.3 SG3 364.8
 RRT .9464 RRF -.9877 RTF -.9703
 SGB 3664.8 R23 -.1695 R13 -.9792
 SG1 3640.2 SG2 423.4 TMA 21.84

ORBIT DETERMINATION ACCURACY

ST 1944.6 SR 901.5 SS 1966.1
 CRT .9946 CRS .9993 CST .9902
 LSA 2902.1 MSA 195.3 SSA 7.7
 EL1 2141.8 EL2 84.7 ALF 24.80

LAUNCH DATE APR 10 1967

FLIGHT TIME 156.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

RL 149.87 LAL .00 LOL 199.44 VL 27.186 GAL 8.33 AZL 99.11 MCA 158.54 SMA 128.60 ECC .21860 INC 9.1140 V1 29.731
 RP 108.71 LAP -3.32 LOP 358.23 VP 37.546 GAP -8.99 AZP 81.51 TAL 146.81 TAP 305.35 RCA 100.49 APO 156.71 V2 34.860
 RC 46.700 GL -42.31 GP 39.98 ZAL 57.02 ZAP 43.32 ETS 297.73 ZAE 127.95 ETE 76.32 ZAC 92.30 ETC 21.30 CLP -18.28

PLANETOCENTRIC CONIC

C3 40.060 VHL 6.329 DLA -30.13 RAL 141.83 RAD 6568.5 VEL 12.705 PTH 2.31 VHP 7.829 DPA 46.95 RAP 183.39 ECC 1.6593
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.25 12 10 1 1345.37 16.02 356.00 22.17 115.86 12 32 26 745.4 19.37 348.79
 100.75 15 4 9 784.12 16.03 314.70 22.17 115.86 15 17 13 184.1 19.38 307.49
 79.25 12 10 1 1345.37 16.02 356.00 22.17 115.86 12 32 26 745.4 19.37 348.79
 100.75 15 4 9 784.12 16.03 314.70 22.17 115.86 15 17 13 184.1 19.38 307.49
 110.00 14 1 30 980.86 3.74 322.34 15.01 124.00 14 18 11 380.9 8.18 316.06
 110.00 18 11 30 5484.67 29.13 253.89 27.97 108.73 19 42 55 4884.7 31.41 245.43

DIFFERENTIAL CORRECTIONS

TOE 2.0815 TRA-2.7476 TC3 -.0644 BAU .1669
 ROE 1.1992 RRA-1.1274 RC3 .3048 FAU .01642
 FDE-3.1872 FRA 2.8349 FC3 -.3548 BSP 12227
 BOE 2.4023 BRA 2.9699 BC3 .3115 FSP -1090

MID-COURSE EXECUTION ACCURACY

SGT 3439.1 SGR 1649.2 SG3 359.7
 RRT .9534 RRF -.9914 RTF -.9732
 SGB 3814.1 R23 -.1565 R13 -.9834
 SG1 3787.2 SG2 451.7 TMA 24.95

ORBIT DETERMINATION ACCURACY

ST 2072.4 SR 1141.9 SS 2042.5
 CRT .9934 CRS .9999 CST .9915
 LSA 3119.4 MSA 196.7 SSA 6.5
 EL1 2363.4 EL2 114.6 ALF 28.77

LAUNCH DATE APR 10 1967

FLIGHT TIME 158.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 396.619

RL 149.87 LAL .00 LOL 199.44 VL 27.243 GAL 8.13 AZL 100.48 MCA 161.68 SMA 128.99 ECC .21371 INC10.4840 V1 29.731
 RP 108.68 LAP -3.28 LOP 1.41 VP 37.597 GAP -8.41 AZP 80.04 TAL 146.70 TAP 308.39 RCA 101.42 APO 156.56 V2 34.870
 RC 47.841 GL -46.58 GP 46.20 ZAL 60.20 ZAP 49.19 ETS 296.20 ZAE 121.72 ETE 74.04 ZAC 88.65 ETC 19.69 CLP -19.24

PLANETOCENTRIC CONIC

C3 45.648 VHL 6.756 DLA -33.65 RAL 138.84 RAD 6568.7 VEL 12.923 PTM 2.36 VHP 8.137 DPA 51.15 RAP 190.81 ECC 1.7512
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 71.01 11 1 39 1555.06 16.63 12.25 22.15 119.68 11 27 34 955.1 20.46 5.25
 108.99 15 48 40 640.22 16.65 304.13 22.16 119.67 15 39 20 40.2 20.47 297.13
 71.01 11 1 39 1555.06 16.63 12.25 22.15 119.68 11 27 34 955.1 20.46 5.25
 108.99 15 48 40 640.22 16.65 304.13 22.16 119.67 15 39 20 40.2 20.47 297.13
 110.00 15 9 2 761.46 11.94 310.64 19.24 122.27 15 21 43 161.5 16.11 304.02
 110.00 16 40 27 5769.86 21.46 272.47 24.92 117.27 18 16 37 5169.9 24.94 265.05

DIFFERENTIAL CORRECTIONS

TOE 2.4417 TRA-2.7827 TC3 -.0710 BAU .1688
 ROE 1.6110 RRA-1.2510 RC3 .2673 FAU .01191
 FDE-3.3851 FRA 2.6162 FC3 -.2259 BSP 12779
 BOE 2.9252 BRA 3.0510 BC3 .2766 FSP -1036

MID-COURSE EXECUTION ACCURACY

SGT 3511.8 SGR 1902.9 SG3 339.5
 RRT .9587 RRF -.9936 RTF -.9762
 SGB 3994.2 R23 -.1400 R13 -.9872
 SG1 3965.4 SG2 479.1 THA 27.89

ORBIT DETERMINATION ACCURACY

ST 2238.5 SR 1418.7 SS 2095.0
 CRT .9931 CRS 1.0000 CST .9930
 LSA 3372.4 MSA 197.4 SSA 5.4
 EL1 2646.5 EL2 140.3 ALF 32.29

LAUNCH DATE APR 10 1967

FLIGHT TIME 160.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 403.224

RL 149.87 LAL .00 LOL 199.44 VL 27.296 GAL 7.94 AZL 102.40 MCA 164.81 SMA 129.35 ECC .20926 INC12.3985 V1 29.731
 RP 108.64 LAP -3.22 LOP 4.60 VP 37.644 GAP -7.85 AZP 78.02 TAL 146.61 TAP 311.42 RCA 102.28 APO 156.42 V2 34.881
 RC 49.103 GL -51.19 GP 53.40 ZAL 63.89 ZAP 55.77 ETS 293.73 ZAE 114.50 ETE 71.12 ZAC 84.53 ETC 16.69 CLP -19.34

PLANETOCENTRIC CONIC

C3 55.485 VHL 7.449 DLA -37.29 RAL 135.10 RAD 6569.0 VEL 13.298 PTM 2.43 VHP 8.798 DPA 55.45 RAP 201.07 ECC 1.9131
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 64.66 10 10 30 1711.39 16.41 24.51 22.32 123.96 10 39 21 1111.4 20.76 17.83
 115.34 16 9 37 5869.11 16.43 277.20 22.33 123.96 17 47 26 5269.1 20.77 270.53
 64.66 10 10 30 1711.39 16.41 24.51 22.32 123.96 10 39 21 1111.4 20.76 17.83
 115.34 16 9 37 5869.11 16.43 277.20 22.33 123.96 17 47 26 5269.1 20.77 270.53
 64.66 10 10 30 1711.39 16.41 24.51 22.32 123.96 10 39 21 1111.4 20.76 17.83
 115.34 16 9 37 5869.11 16.43 277.20 22.33 123.96 17 47 26 5269.1 20.77 270.53

DIFFERENTIAL CORRECTIONS

TOE 3.0289 TRA-2.8736 TC3 -.0887 BAU .1635
 ROE 2.1596 RRA-1.3375 RC3 .2018 FAU .00383
 FDE-3.5104 FRA 3.2850 FC3 -.0909 BSP 13445
 BOE 3.7199 BRA 3.1696 BC3 .2204 FSP -927

MID-COURSE EXECUTION ACCURACY

SGT 3628.2 SGR 2126.5 SG3 301.7
 RRT .9621 RRF -.9944 RTF -.9797
 SGB 4205.4 R23 -.1217 R13 -.9905
 SG1 4175.1 SG2 503.9 THA 29.90

ORBIT DETERMINATION ACCURACY

ST 2474.4 SR 1705.9 SS 2113.7
 CRT .9935 CRS .9999 CST .9941
 LSA 3668.8 MSA 197.0 SSA 4.4
 EL1 3001.1 EL2 160.5 ALF 34.52

LAUNCH DATE APR 10 1967

FLIGHT TIME 162.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 409.784

RL 149.87 LAL .00 LOL 199.44 VL 27.343 GAL 7.78 AZL 105.28 MCA 167.92 SMA 129.68 ECC .20524 INC15.2760 V1 29.731
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.689 GAP -7.30 AZP 75.05 TAL 146.51 TAP 314.43 RCA 103.06 APO 156.29 V2 34.891
 RC 50.476 GL -55.99 GP 61.52 ZAL 68.13 ZAP 62.91 ETS 288.89 ZAE 106.22 ETE 65.83 ZAC 79.84 ETC 10.56 CLP -17.26

PLANETOCENTRIC CONIC

C3 74.142 VHL 8.611 DLA -40.79 RAL 130.35 RAD 6569.4 VEL 13.982 PTM 2.55 VHP 10.084 DPA 59.01 RAP 215.56 ECC 2.2202
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.31 9 26 19 1854.27 14.83 35.21 22.47 128.45 9 57 13 1254.3 19.70 28.98
 120.69 16 16 15 5865.58 14.84 275.70 22.48 128.45 17 54 1 5265.6 19.71 269.47
 59.31 9 26 19 1854.27 14.83 35.21 22.47 128.45 9 57 13 1254.3 19.70 28.98
 120.69 16 16 15 5865.58 14.84 275.70 22.48 128.45 17 54 1 5265.6 19.71 269.47
 59.31 9 26 19 1854.27 14.83 35.21 22.47 128.45 9 57 13 1254.3 19.70 28.98
 120.69 16 16 15 5865.58 14.84 275.70 22.48 128.45 17 54 1 5265.6 19.71 269.47

DIFFERENTIAL CORRECTIONS

TDE 4.1051 TRA-3.0909 TC3 -.1215 BAU .1629
 ROE 2.8140 RRA-1.2804 RC3 .1106 FAU-.00177
 FDE-3.5290 FRA 1.8692 FC3 .0207 BSP 14159
 BOE 4.9770 BRA 3.3456 BC3 .1643 FSP -763

MID-COURSE EXECUTION ACCURACY

SGT 3858.2 SGR 2192.9 SG3 247.6
 RRT .9612 RRF -.9927 RTF -.9844
 SGB 4437.9 R23 -.1025 R13 -.9934
 SG1 4406.2 SG2 529.8 THA 29.11

ORBIT DETERMINATION ACCURACY

ST 2850.6 SR 1902.7 SS 2090.6
 CRT .9938 CRS .9996 CST .9965
 LSA 4009.7 MSA 196.8 SSA 3.4
 EL1 3422.7 EL2 176.6 ALF 33.66

LAUNCH DATE APR 10 1967

FLIGHT TIME 164.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 416.268

RL 149.87 LAL .00 LOL 199.44 VL 27.387 GAL 7.64 AZL 110.09 MCA 170.98 SMA 129.98 ECC .20172 INC20.0910 V1 29.731
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.731 GAP -6.78 AZP 70.14 TAL 146.39 TAP 317.37 RCA 103.76 APO 156.20 V2 34.903
 RC 51.950 GL -60.49 GP 70.07 ZAL 72.91 ZAP 70.30 ETS 275.82 ZAE 96.75 ETE 52.14 ZAC 74.26 ETC 355.13 CLP -8.54

PLANETOCENTRIC CONIC

C3 114.787 VHL 10.714 DLA -43.56 RAL 124.33 RAD 6570.2 VEL 15.366 PTM 2.75 VHP 12.613 DPA 60.22 RAP 234.87 ECC 2.8891
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 55.41 8 45 53 1994.84 11.31 44.46 22.16 132.35 9 19 8 1394.8 16.63 38.71
 124.59 16 8 39 628.51 11.33 299.19 22.18 132.34 16 19 7 28.5 16.64 293.44
 55.41 8 45 53 1994.84 11.31 44.46 22.16 132.35 9 19 8 1394.8 16.63 38.71
 124.59 16 8 39 628.51 11.33 299.19 22.18 132.34 16 19 7 28.5 16.64 293.44
 55.41 8 45 53 1994.84 11.31 44.46 22.16 132.35 9 19 8 1394.8 16.63 38.71
 124.59 16 8 39 628.51 11.33 299.19 22.18 132.34 16 19 7 28.5 16.64 293.44

DIFFERENTIAL CORRECTIONS

TDE 6.4351 TRA-3.5781 TC3 -.1808 BAU .2814
 ROE 2.9984 RRA -.6236 RC3 .0306 FAU-.01077
 FDE-3.4564 FRA 1.4438 FC3 .0812 BSP 14842
 BOE 7.0993 BRA 3.6321 BC3 .1833 FSP -570

MID-COURSE EXECUTION ACCURACY

SGT 4354.9 SGR 1669.5 SG3 184.9
 RRT .9226 RRF -.9634 RTF -.9914
 SGB 4663.9 R23 -.0793 R13 -.9962
 SG1 4624.3 SG2 606.4 THA 19.83

ORBIT DETERMINATION ACCURACY

ST 3531.4 SR 1609.4 SS 2044.3
 CRT .9902 CRS .9964 CST .9985
 LSA 4381.2 MSA 212.8 SSA 2.3
 EL1 3875.4 EL2 205.3 ALF 24.36

LAUNCH DATE APR 10 1967

FLIGHT TIME 166.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 422.582

RL 149.87 LAL .00 LOL 199.44 VL 27.426 GAL 7.55 AZL 119.64 MCA 173.92 SMA 130.25 ECC .19885 INC29.6384 V1 29.731
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.770 GAP -6.31 AZP 60.50 TAL 146.21 TAP 320.12 RCA 104.35 APO 156.15 V2 34.914
 RC 53.515 GL -63.03 GP 76.23 ZAL 78.11 ZAP 77.42 ETS 232.59 ZAE 85.51 ETE 8.29 ZAC 66.75 ETC 308.05 CLP 23.85

PLANETOCENTRIC CONIC

C3 227.597 VML 15.086 DLA -43.90 RAL 117.14 RAD 6571.3 VEL 18.679 PTH 3.06 VMP 18.098 OPA 56.50 RAP 256.21 ECC 4.7457
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.94 8 15 23 2118.55 5.85 50.44 21.02 133.58 8 50 42 1518.6 11.32 44.95
 125.06 15 41 51 742.35 5.87 304.28 21.03 133.58 15 54 14 142.3 11.34 298.80
 54.94 8 15 23 2118.55 5.85 50.44 21.02 133.58 8 50 42 1518.6 11.32 44.95
 125.06 15 41 51 742.35 5.87 304.28 21.03 133.58 15 54 14 142.3 11.34 298.80
 54.94 8 15 23 2118.55 5.85 50.44 21.02 133.58 8 50 42 1518.6 11.32 44.95
 125.06 15 41 51 742.35 5.87 304.28 21.03 133.58 15 54 14 142.3 11.34 298.80

DIFFERENTIAL CORRECTIONS

TOE10.8176 TRA-3.3917 TC3 -.2444 BAU .8487
 RDE-2.0715 RRA 2.5739 RC3 .1343 FAU-.02360
 FDE-3.4441 FRA 1.1531 FC3 .0898 BSP 15076
 BDE11.0142 BRA 4.2578 BC3 .2789 FSP -385

MID-COURSE EXECUTION ACCURACY

SGT 4540.7 SGR 1619.7 SG3 126.8
 RRT -.8098 RRF .8260 RTF -.9995
 SGB 4821.0 R23 .0296 R13 .9994
 SGI 4734.0 SG2 911.4 THA 163.25

ORBIT DETERMINATION ACCURACY

ST 4143.3 SR 885.8 SS 2065.2
 CRT -.9402 CRS -.9431 CST 1.0000
 LSA 4704.1 MSA 296.0 SSA 1.2
 EL1 4226.6 EL2 295.9 ALF 168.58

LAUNCH DATE APR 10 1967

FLIGHT TIME 168.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 428.333

RL 149.87 LAL .00 LOL 199.44 VL 27.461 GAL 7.56 AZL 144.18 MCA 176.41 SMA 130.50 ECC .19738 INC54.1847 V1 29.731
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.807 GAP -5.98 AZP 35.87 TAL 145.76 TAP 322.16 RCA 104.74 APO 156.26 V2 34.926
 RC 55.163 GL -57.35 GP 67.17 ZAL 83.17 ZAP 83.39 ETS 187.80 ZAE 69.68 ETE 324.95 ZAC 53.03 ETC 256.19 CLP 72.74

PLANETOCENTRIC CONIC

C3 687.387 VML 26.218 DLA -36.21 RAL 110.86 RAD 6572.9 VEL 28.437 PTH 3.42 VMP 32.318 OPA 42.81 RAP 274.15 ECC12.3127
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.42 8 43 29 2078.43 .56 42.63 20.09 126.21 9 18 7 1478.4 5.27 36.58
 113.58 14 23 40 1002.98 .57 321.86 20.10 126.21 14 40 23 403.0 5.29 315.80
 66.42 8 43 29 2078.43 .56 42.63 20.09 126.21 9 18 7 1478.4 5.27 36.58
 113.58 14 23 40 1002.98 .57 321.86 20.10 126.21 14 40 23 403.0 5.29 315.80
 66.42 8 43 29 2078.43 .56 42.63 20.09 126.21 9 18 7 1478.4 5.27 36.58
 113.58 14 23 40 1002.98 .57 321.86 20.10 126.21 14 40 23 403.0 5.29 315.80

DIFFERENTIAL CORRECTIONS

TOE10.0334 TRA -.5180 TC3 -.1505 BAU 3.1631
 RD-15.0852 RRA 6.2133 RC3 .3096 FAU-.05926
 FDE-3.9644 FRA 1.3142 FC3 .0746 BSP 14639
 BDE18.1172 BRA 6.2349 BC3 .3442 FSP -273

MID-COURSE EXECUTION ACCURACY

SGT 2334.6 SGR 4041.6 SG3 87.7
 RRT -.9269 RRF .9970 RTF -.9530
 SGB 4667.5 R23 -.0155 R13 .9998
 SGI 4603.6 SG2 769.4 THA 119.05

ORBIT DETERMINATION ACCURACY

ST 2193.2 SR 3335.4 SS 2437.6
 CRT -.9912 CRS -.9996 CST .9947
 LSA 4670.9 MSA 244.1 SSA 1.0
 EL1 3984.5 EL2 243.1 ALF 123.23

LAUNCH DATE APR 10 1967

FLIGHT TIME 170.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 439.071

RL 149.87 LAL .00 LOL 199.44 VL 27.493 GAL 6.73 AZL 21.13 MCA 183.01 SMA 130.72 ECC .18675 INC68.8667 V1 29.731
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.841 GAP -4.47 AZP 158.84 TAL 147.88 TAP 330.90 RCA 106.31 APO 155.14 V2 34.938
 RC 56.885 GL -51.76 GP -57.53 ZAL 85.18 ZAP 86.30 ETS 168.31 ZAE 75.47 ETE 38.16 ZAC 73.32 ETC 102.55 CLP 30.10

PLANETOCENTRIC CONIC

C31051.342 VML 32.424 DLA 69.97 RAL 145.84 RAD 6573.0 VEL 34.244 PTH 3.51 VMP 42.213 OPA -81.46 RAP 301.26 ECC18.8024
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 22.90 20 37 19 5083.67 .53 247.08 56.04 20.03 22 2 3 4483.7 -6.98 244.75
 157.10 7 8 49 3330.63 .54 97.07 56.02 20.03 8 4 19 2730.6 -6.98 94.73
 22.90 20 37 19 5083.67 .53 247.08 56.04 20.03 22 2 3 4483.7 -6.98 244.75
 157.10 7 8 49 3330.63 .54 97.07 56.02 20.03 8 4 19 2730.6 -6.98 94.73
 22.90 20 37 19 5083.67 .53 247.08 56.04 20.03 22 2 3 4483.7 -6.98 244.75
 157.10 7 8 49 3330.63 .54 97.07 56.02 20.03 8 4 19 2730.6 -6.98 94.73

DIFFERENTIAL CORRECTIONS

TOE-7.2179 TRA-2.8032 TC3 -.1793 BAU 4.8243
 RDE-6.8284 RRA-6.0857 RC3 -.2927 FAU-.08544
 FDE 1.8282 FRA 1.4456 FC3 .0704 BSP 13336
 BDE 9.9360 BRA 6.7003 BC3 .3432 FSP -247

MID-COURSE EXECUTION ACCURACY

SGT 2231.7 SGR 3862.1 SG3 80.5
 RRT .9529 RRF -.9993 RTF -.9630
 SGB 4470.5 R23 -.0408 R13 -.9991
 SGI 4430.7 SG2 595.5 THA 60.36

ORBIT DETERMINATION ACCURACY

ST 1347.7 SR 1531.8 SS 1434.1
 CRT .9444 CRS .9984 CST .9616
 LSA 2468.8 MSA 352.5 SSA .9
 EL1 2012.2 EL2 337.2 ALF 48.87

LAUNCH DATE APR 10 1967

FLIGHT TIME 172.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 444.245

RL 149.87 LAL .00 LOL 199.44 VL 27.520 GAL 6.86 AZL 57.71 MCA 185.06 SMA 130.92 ECC .18691 INC32.2900 V1 29.731
 RP 108.43 LAP -2.70 LOP 23.72 VP 37.873 GAP -4.28 AZP 122.19 TAL 147.11 TAP 332.17 RCA 106.45 APO 155.39 V2 34.951
 RC 58.673 GL 63.76 GP -77.92 ZAL 80.11 ZAP 83.13 ETS 129.73 ZAE 93.99 ETE 5.12 ZAC 92.22 ETC 67.61 CLP 35.12

PLANETOCENTRIC CONIC

C3 264.812 VML 16.273 DLA 72.36 RAL 190.82 RAD 6571.5 VEL 19.650 PTH 3.12 VMP 21.735 OPA -76.48 RAP 114.50 ECC 5.3581
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 20.13 23 30 56 4978.63 -6.73 246.64 98.69 17.76 24 53 55 4378.6 -14.34 244.55
 159.87 10 14 7 3211.68 -6.72 93.75 98.66 17.76 11 7 38 2611.7 -14.33 91.66
 20.13 23 30 56 4978.63 -6.73 246.64 98.69 17.76 24 53 55 4378.6 -14.34 244.55
 159.87 10 14 7 3211.68 -6.72 93.75 98.66 17.76 11 7 38 2611.7 -14.33 91.66
 20.13 23 30 56 4978.63 -6.73 246.64 98.69 17.76 24 53 55 4378.6 -14.34 244.55
 159.87 10 14 7 3211.68 -6.72 93.75 98.66 17.76 11 7 38 2611.7 -14.33 91.66

DIFFERENTIAL CORRECTIONS

TDE 3.0855 TRA-3.7990 TC3 -.2771 BAU 1.1232
 RDE 3.1191 RRA-1.7412 RC3 -.1546 FAU-.02225
 FDE-1.0224 FRA 1.0353 FC3 .0727 BSP 15999
 BDE 4.3873 BRA 4.1790 BC3 .3173 FSP -347

MID-COURSE EXECUTION ACCURACY

SGT 4635.2 SGR 2356.6 SG3 110.4
 RRT .9686 RRF -.9792 RTF -.9988
 SGB 5199.9 R23 .0032 R13 -.9999
 SGI 5173.3 SG2 525.1 THA 26.51

ORBIT DETERMINATION ACCURACY

ST 1713.2 SR 1254.9 SS 957.4
 CRT .9291 CRS .9606 CST .9953
 LSA 2298.0 MSA 381.7 SSA 1.0
 EL1 2089.3 EL2 380.6 ALF 35.60

LAUNCH DATE APR 10 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 450.368

RL 149.87 LAL .00 LOL 199.44 VL 27.545 GAL 6.85 AZL 70.88 MCA 187.90 SMA 131.10 ECC .18559 INC19.1150 VI 29.731
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.902 GAP -3.88 AZP 108.95 TAL 146.86 TAP 334.76 RCA 106.77 APO 155.43 V2 34.964
 RC 60.521 GL 61.88 GP -80.22 ZAL 74.04 ZAP 80.30 ETS 74.04 ZAE 104.10 ETE 312.89 ZAC 100.09 ETC 17.53 CLP -7.45

PLANETOCENTRIC CONIC

C3 103.101 VHL 10.154 DLA 66.40 RAL 195.02 RAD 6570.0 VEL 14.981 PTH 2.70 VMP 13.846 DPA -65.76 RAP 121.85 ECC 2.6968
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 27.05 0 6 34 4797.47 -16.51 238.36 97.59 24.68 1 26 31 4197.5 -23.75 235.14
 152.95 10 15 53 3069.41 -16.51 92.81 97.57 24.68 11 7 3 2469.4 -23.74 89.59
 27.05 0 6 34 4797.47 -16.51 238.36 97.59 24.68 1 26 31 4197.5 -23.75 235.14
 152.95 10 15 53 3069.41 -16.51 92.81 97.57 24.68 11 7 3 2469.4 -23.74 89.59
 27.05 0 6 34 4797.47 -16.51 238.36 97.59 24.68 1 26 31 4197.5 -23.75 235.14
 152.95 10 15 53 3069.41 -16.51 92.81 97.57 24.68 11 7 3 2469.4 -23.74 89.59

DIFFERENTIAL CORRECTIONS

TDE 3.5195 TRA-2.9511 TC3 -.1666 BAU .2297
 RDE -.7753 RRA 1.8677 RC3 -.0022 FAU .00304
 FDE-1.2589 FRA 1.2886 FC3 .0255 BSP 16848
 BDE 3.6039 BRA 3.4924 BC3 .1666 FSP -542

MID-COURSE EXECUTION ACCURACY

SGT 4621.9 SGR 2668.8 SG3 168.7
 RRT -.9581 RRF .9781 RTF -.9963
 SGB 5337.1 R23 -.0113 R13 .9996
 SG1 5295.3 SG2 666.9 THA 150.53

ORBIT DETERMINATION ACCURACY

ST 2345.5 SR 902.9 SS 1071.4
 CRT -.8757 CRS -.9170 CST .9956
 LSA 2700.6 MSA 414.0 SSA 1.8
 EL1 2479.2 EL2 412.5 ALF 160.82

LAUNCH DATE APR 10 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 456.707

RL 149.87 LAL .00 LOL 199.44 VL 27.567 GAL 6.81 AZL 76.97 MCA 190.94 SMA 131.25 ECC .18414 INC13.0342 VI 29.731
 RP 108.35 LAP -2.45 LOP 30.11 VP 37.930 GAP -3.42 AZP 102.81 TAL 146.72 TAP 337.66 RCA 107.08 APO 155.42 V2 34.977
 RC 62.420 GL 56.21 GP -75.46 ZAL 68.06 ZAP 78.54 ETS 50.24 ZAE 110.96 ETE 292.22 ZAC 104.52 ETC 359.56 CLP -37.71

PLANETOCENTRIC CONIC

C3 55.175 VHL 7.428 DLA 60.18 RAL 190.23 RAD 6569.0 VEL 13.287 PTH 2.43 VMP 10.223 DPA -58.68 RAP 125.82 ECC 1.9080
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 34.40 0 4 55 4623.94 -23.96 227.39 85.48 32.97 1 21 59 4023.9 -30.59 222.76
 145.60 9 39 20 2953.80 -23.95 90.35 85.47 32.97 10 28 34 2353.8 -30.58 85.72
 34.40 0 4 55 4623.94 -23.96 227.39 85.48 32.97 1 21 59 4023.9 -30.59 222.76
 145.60 9 39 20 2953.80 -23.95 90.35 85.47 32.97 10 28 34 2353.8 -30.58 85.72
 34.40 0 4 55 4623.94 -23.96 227.39 85.48 32.97 1 21 59 4023.9 -30.59 222.76
 145.60 9 39 20 2953.80 -23.95 90.35 85.47 32.97 10 28 34 2353.8 -30.58 85.72

DIFFERENTIAL CORRECTIONS

TDE 1.9730 TRA-1.8526 TC3 -.0612 BAU .1533
 RDE-1.2582 RRA 2.6657 RC3 -.1986 FAU .00912
 FDE-1.1947 FRA 1.7701 FC3 -.1432 BSP 16995
 BDE 2.3400 BRA 3.2463 BC3 .2079 FSP -809

MID-COURSE EXECUTION ACCURACY

SGT 3252.8 SGR 4257.2 SG3 250.9
 RRT -.9626 RRF .9957 RTF -.9816
 SGB 5357.6 R23 -.0145 R13 .9992
 SG1 5310.9 SG2 706.1 THA 127.10

ORBIT DETERMINATION ACCURACY

ST 1749.0 SR 1574.9 SS 1091.7
 CRT -.9243 CRS -.9843 CST .9772
 LSA 2553.9 MSA 456.9 SSA 2.7
 EL1 2309.2 EL2 455.2 ALF 138.24

LAUNCH DATE APR 10 1967

FLIGHT TIME 178.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 463.110

RL 149.87 LAL .00 LOL 199.44 VL 27.585 GAL 6.77 AZL 80.41 MCA 194.05 SMA 131.38 ECC .18283 INC 9.5929 VI 29.731
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.955 GAP -2.96 AZP 99.31 TAL 146.61 TAP 340.66 RCA 107.36 APO 155.40 V2 34.990
 RC 64.367 GL 49.69 GP -70.59 ZAL 62.56 ZAP 77.90 ETS 38.11 ZAE 116.20 ETE 282.84 ZAC 107.71 ETC 353.12 CLP -50.87

PLANETOCENTRIC CONIC

C3 35.832 VHL 5.986 DLA 53.99 RAL 185.02 RAD 6568.4 VEL 12.538 PTH 2.27 VMP 8.211 DPA -53.19 RAP 128.18 ECC 1.5897
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 41.90 0 4 20 4475.10 -27.86 215.11 72.44 41.68 1 18 56 3875.1 -33.69 209.15
 138.10 8 58 20 2886.05 -27.85 87.87 72.42 41.68 9 46 26 2286.0 -33.68 81.91
 41.90 0 4 20 4475.10 -27.86 215.11 72.44 41.68 1 18 56 3875.1 -33.69 209.15
 138.10 8 58 20 2886.05 -27.85 87.87 72.42 41.68 9 46 26 2286.0 -33.68 81.91
 41.90 0 4 20 4475.10 -27.86 215.11 72.44 41.68 1 18 56 3875.1 -33.69 209.15
 138.10 8 58 20 2886.05 -27.85 87.87 72.42 41.68 9 46 26 2286.0 -33.68 81.91

DIFFERENTIAL CORRECTIONS

TDE 1.2088 TRA-1.2759 TC3 -.0395 BAU .2408
 RDE-1.0659 RRA 2.8356 RC3 -.5012 FAU .02001
 FDE-1.1674 FRA 2.3711 FC3 -.4835 BSP 16914
 BDE 1.6116 BRA 3.1095 BC3 .5027 FSP -1131

MID-COURSE EXECUTION ACCURACY

SGT 2378.3 SGR 4766.0 SG3 350.8
 RRT -.9477 RRF .9978 RTF -.9615
 SGB 5326.4 R23 -.0128 R13 .9990
 SG1 5282.2 SG2 684.7 THA 115.78

ORBIT DETERMINATION ACCURACY

ST 1314.2 SR 1720.3 SS 1141.7
 CRT -.9039 CRS -.9912 CST .9525
 LSA 2404.3 MSA 457.8 SSA 3.7
 EL1 2116.0 EL2 457.0 ALF 126.61

LAUNCH DATE APR 10 1967

FLIGHT TIME 180.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 469.533

RL 149.87 LAL .00 LOL 199.44 VL 27.601 GAL 6.74 AZL 82.62 MCA 197.20 SMA 131.50 ECC .18175 INC 7.3826 VI 29.731
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.979 GAP -2.49 AZP 97.06 TAL 146.51 TAP 343.71 RCA 107.60 APO 155.40 V2 35.003
 RC 66.356 GL 43.26 GP -66.36 ZAL 57.71 ZAP 78.29 ETS 29.50 ZAE 120.40 ETE 276.40 ZAC 110.40 ETC 349.93 CLP -59.60

PLANETOCENTRIC CONIC

C3 26.415 VHL 5.140 DLA 48.04 RAL 180.65 RAD 6568.1 VEL 12.157 PTH 2.18 VMP 6.950 DPA -48.58 RAP 129.49 ECC 1.4347
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.41 0 10 31 4343.82 -28.88 202.61 60.94 49.77 1 22 55 3743.8 -33.84 195.68
 130.59 8 17 17 2864.38 -28.86 86.76 60.93 49.76 9 5 1 2264.4 -33.83 79.83
 49.41 0 10 31 4343.82 -28.88 202.61 60.94 49.77 1 22 55 3743.8 -33.84 195.68
 130.59 8 17 17 2864.38 -28.86 86.76 60.93 49.76 9 5 1 2264.4 -33.83 79.83
 49.41 0 10 31 4343.82 -28.88 202.61 60.94 49.77 1 22 55 3743.8 -33.84 195.68
 130.59 8 17 17 2864.38 -28.86 86.76 60.93 49.76 9 5 1 2264.4 -33.83 79.83

DIFFERENTIAL CORRECTIONS

TDE .8105 TRA -78683 TC3 -.0884 BAU .2910
 RDE -.9003 RRA 2.8825 RC3 -.8193 FAU .03053
 FDE-1.2144 FRA 3.0455 FC3 -1.0006 BSP 16696
 BDE 1.2114 BRA 3.0104 BC3 .8241 FSP -1489

MID-COURSE EXECUTION ACCURACY

SGT 1709.1 SGR 4981.8 SG3 462.7
 RRT -.9149 RRF .9983 RTF -.9268
 SGB 5266.8 R23 -.0068 R13 .9988
 SG1 5225.6 SG2 657.9 THA 107.72

ORBIT DETERMINATION ACCURACY

ST 1002.5 SR 1757.0 SS 1223.9
 CRT -.8704 CRS -.9930 CST .9224
 LSA 2323.2 MSA 439.2 SSA 4.7
 EL1 1974.7 EL2 439.2 ALF 117.91

LAUNCH DATE APR 10 1967

FLIGHT TIME 182.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 475.957
 RL 149.87 LAL .00 LOL 199.44 VL 27.614 GAL 6.72 AZL 84.16 MCA 200.36 SMA 131.59 ECC .18091 INC 5.8390 V1 29.731
 RP 108.22 LAP -2.03 LOP 39.71 VP 38.001 GAP -2.02 AZP 95.48 TAL 146.41 TAP 346.77 RCA 107.78 APO 155.40 V2 35.016
 RC 68.382 GL 37.24 GP -62.67 ZAL 53.57 ZAP 79.61 ETS 22.34 ZAE 123.85 ETE 270.71 ZAC 112.92 ETC 347.86 CLP -66.87

PLANETOCENTRIC CONIC

C3 21.257 VHL 4.611 DLA 42.49 RAL 177.15 RAD 6567.9 VEL 11.943 PTH 2.13 VHP 6.096 DPA -44.51 RAP 130.03 ECC 1.3498
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 56.89 0 24 43 4217.58 -28.05 190.24 51.60 56.67 1 35 1 3617.6 -32.22 182.76
 123.11 7 35 10 2884.39 -28.03 87.90 51.59 56.66 8 23 15 2284.4 -32.20 80.42
 56.89 0 24 43 4217.58 -28.05 190.24 51.60 56.67 1 35 1 3617.6 -32.22 182.76
 123.11 7 35 10 2884.39 -28.03 87.90 51.59 56.66 8 23 15 2284.4 -32.20 80.42
 56.89 0 24 43 4217.58 -28.05 190.24 51.60 56.67 1 35 1 3617.6 -32.22 182.76
 123.11 7 35 10 2884.39 -28.03 87.90 51.59 56.66 8 23 15 2284.4 -32.20 80.42

DIFFERENTIAL CORRECTIONS

TDE .5688 TRA -.5105 TC3 -.2016 BAU .3211
 RDE -.8088 RRA 2.8812 RC3-1.1118 FAU .04085
 FDE-1.3375 FRA 3.7558 FC3-1.6638 BSP 16468
 BDE .9888 BRA 2.9261 BC3 1.1299 FSP -1875

MID-COURSE EXECUTION ACCURACY

SGT 1128.9 SGR 5063.6 SG3 580.8
 RRT -.8218 RRF .9983 RTF -.8350
 SGB 5188.0 R23 .0026 R13 .9986
 SGI 5149.3 SG2 632.5 TMA 100.54

ORBIT DETERMINATION ACCURACY

ST 752.5 SR 1770.1 SS 1329.3
 CRT -.8155 CRS -.9934 CST .8765
 LSA 2301.5 MSA 412.0 SSA 5.7
 EL1 1879.2 EL2 410.2 ALF 110.12

LAUNCH DATE APR 10 1967

FLIGHT TIME 184.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 482.374
 RL 149.87 LAL .00 LOL 199.44 VL 27.625 GAL 6.71 AZL 85.30 MCA 203.54 SMA 131.67 ECC .18033 INC 4.6953 V1 29.731
 RP 108.18 LAP -1.87 LOP 42.91 VP 38.021 GAP -1.55 AZP 94.31 TAL 146.30 TAP 349.83 RCA 107.92 APO 155.41 V2 35.029
 RC 70.443 GL 31.75 GP -49.35 ZAL 50.13 ZAP 81.73 ETS 16.00 ZAE 126.68 ETE 265.02 ZAC 115.41 ETC 346.25 CLP -73.60

PLANETOCENTRIC CONIC

C3 18.209 VHL 4.267 DLA 37.41 RAL 174.36 RAD 6567.7 VEL 11.815 PTH 2.09 VHP 5.488 DPA -40.78 RAP 130.01 ECC 1.2997
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 64.46 0 48 31 4082.05 -26.20 177.57 44.33 62.28 1 56 33 3482.0 -29.69 169.83
 115.54 6 49 6 2946.50 -26.19 91.92 44.32 62.27 7 38 12 2346.5 -29.68 84.18
 64.46 0 48 31 4082.05 -26.20 177.57 44.33 62.28 1 56 33 3482.0 -29.69 169.83
 115.54 6 49 6 2946.50 -26.19 91.92 44.32 62.27 7 38 12 2346.5 -29.68 84.18
 64.46 0 48 31 4082.05 -26.20 177.57 44.33 62.28 1 56 33 3482.0 -29.69 169.83
 115.54 6 49 6 2946.50 -26.19 91.92 44.32 62.27 7 38 12 2346.5 -29.68 84.18

DIFFERENTIAL CORRECTIONS

TDE .3938 TRA -.1665 TC3 -.3750 BAU .3410
 RDE -.7647 RRA 2.8503 RC3-1.3497 FAU .05069
 FDE-1.5229 FRA 4.4748 FC3-2.4099 BSP 16188
 BDE .8601 BRA 2.8551 BC3 1.4008 FSP -2267

MID-COURSE EXECUTION ACCURACY

SGT 679.1 SGR 5059.1 SG3 699.9
 RRT -.4454 RRF .9983 RTF -.4638
 SGB 5104.4 R23 .0142 R13 .9984
 SGI 5068.2 SG2 606.9 TMA 93.47

ORBIT DETERMINATION ACCURACY

ST 535.5 SR 1773.3 SS 1448.8
 CRT -.6998 CRS -.9933 CST .7776
 LSA 2320.4 MSA 382.0 SSA 6.6
 EL1 1814.3 EL2 373.9 ALF 102.47

LAUNCH DATE APR 10 1967

FLIGHT TIME 186.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 488.779
 RL 149.87 LAL .00 LOL 199.44 VL 27.633 GAL 6.72 AZL 86.19 MCA 206.72 SMA 131.73 ECC .18001 INC 3.8097 V1 29.731
 RP 108.14 LAP -1.71 LOP 46.12 VP 38.039 GAP -1.08 AZP 93.40 TAL 146.17 TAP 352.89 RCA 108.02 APO 155.44 V2 35.042
 RC 72.534 GL 26.82 GP -56.29 ZAL 47.31 ZAP 84.51 ETS 10.24 ZAE 128.98 ETE 259.09 ZAC 117.94 ETC 344.89 CLP -80.08

PLANETOCENTRIC CONIC

C3 16.327 VHL 4.041 DLA 32.81 RAL 172.11 RAD 6567.7 VEL 11.735 PTH 2.07 VHP 5.045 DPA -37.27 RAP 129.58 ECC 1.2687
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.69 1 27 4 3913.45 -23.88 163.05 38.77 66.80 2 32 18 3313.4 -26.81 155.23
 107.31 5 52 38 3064.67 -23.87 100.02 38.76 66.79 6 43 43 2464.7 -26.80 92.19
 72.69 1 27 4 3913.45 -23.88 163.05 38.77 66.80 2 32 18 3313.4 -26.81 155.23
 107.31 5 52 38 3064.67 -23.87 100.02 38.76 66.79 6 43 43 2464.7 -26.80 92.19
 110.00 7 22 32 2788.04 -30.23 81.23 41.36 73.22 8 9 0 2188.0 -32.22 72.59
 110.00 4 56 21 3238.08 -17.82 110.18 35.55 60.33 5 50 19 2638.1 -21.63 103.13

DIFFERENTIAL CORRECTIONS

TDE .2464 TRA .1757 TC3 -.5979 BAU .3567
 RDE -.7464 RRA 2.7913 RC3-1.5210 FAU .05982
 FDE-1.7573 FRA 5.1704 FC3-3.1720 BSP 15918
 BDE .7860 BRA 2.7968 BC3 1.6343 FSP -2652

MID-COURSE EXECUTION ACCURACY

SGT 665.9 SGR 4980.8 SG3 814.5
 RRT .4885 RRF .9981 RTF .4706
 SGB 5025.1 R23 .0272 R13 .9980
 SGI 4991.6 SG2 579.8 TMA 86.21

ORBIT DETERMINATION ACCURACY

ST 360.8 SR 1765.7 SS 1575.3
 CRT -.3824 CRS -.9931 CST .4882
 LSA 2367.4 MSA 353.2 SSA 7.4
 EL1 1771.2 EL2 332.3 ALF 94.63

LAUNCH DATE APR 10 1967

FLIGHT TIME 188.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 495.170
 RL 149.87 LAL .00 LOL 199.44 VL 27.639 GAL 6.74 AZL 86.90 MCA 209.91 SMA 131.77 ECC .17995 INC 3.1000 V1 29.731
 RP 108.10 LAP -1.55 LOP 49.32 VP 38.055 GAP -.62 AZP 92.69 TAL 146.02 TAP 355.94 RCA 108.06 APO 155.49 V2 35.056
 RC 74.652 GL 22.42 GP -53.37 ZAL 45.03 ZAP 87.86 ETS 5.00 ZAE 130.77 ETE 252.86 ZAC 120.54 ETC 343.73 CLP -86.41

PLANETOCENTRIC CONIC

C3 15.145 VHL 3.892 DLA 28.68 RAL 170.29 RAD 6567.6 VEL 11.685 PTH 2.06 VHP 4.718 DPA -33.89 RAP 128.87 ECC 1.2493
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.27 2 53 11 3599.68 -21.40 138.56 34.55 70.44 3 53 11 2999.7 -23.87 130.73
 94.73 4 12 1 3344.44 -21.39 119.86 34.55 70.43 5 7 45 2744.4 -23.86 112.03
 100.00 6 5 24 2979.69 -26.88 94.75 36.34 76.41 6 55 4 2379.7 -28.49 86.31
 100.00 3 42 29 3439.65 -16.10 124.55 32.23 64.47 4 39 48 2839.7 -19.41 117.31
 110.00 8 27 12 2535.75 -33.69 62.43 37.71 83.81 9 9 28 1935.8 -34.17 53.22
 110.00 3 37 10 3456.36 -10.07 122.35 28.77 57.16 4 34 46 2856.4 -14.33 115.84

DIFFERENTIAL CORRECTIONS

TDE .1081 TRA .5174 TC3 -.8550 BAU .3712
 RDE -.7392 RRA 2.7057 RC3-1.6219 FAU .06794
 FDE-2.0247 FRA 5.8123 FC3-3.8838 BSP 15683
 BDE .7471 BRA 2.7547 BC3 1.8335 FSP -3014

MID-COURSE EXECUTION ACCURACY

SGT 1105.5 SGR 4836.7 SG3 919.1
 RRT .8621 RRF .9980 RTF .8509
 SGB 4961.4 R23 .0407 R13 .9973
 SGI 4930.9 SG2 549.6 TMA 78.71

ORBIT DETERMINATION ACCURACY

ST 305.9 SR 1743.9 SS 1703.0
 CRT .3419 CRS -.9927 CST -.2267
 LSA 2434.7 MSA 327.5 SSA 8.1
 EL1 1747.1 EL2 286.9 ALF 86.47

LAUNCH DATE APR 10 1967

FLIGHT TIME 190.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 501.544

RL 149.87 LAL .00 LOL 199.44 VL 27.643 GAL 6.78 AZL 87.48 MCA 213.11 SMA 131.80 ECC .18014 INC 2.5153 V1 29.731
 RP 108.06 LAP -1.37 LOP 52.53 VP 38.070 GAP -.16 AZP 92.11 TAL 145.85 TAP 358.97 RCA 108.06 APO 155.55 V2 35.069
 RC 76.795 GL 18.50 GP -50.53 ZAL 43.20 ZAP 91.64 ETS .25 ZAE 132.07 ETE 246.43 ZAC 123.19 ETC 342.83 CLP -92.58

PLANETOCENTRIC CONIC

C3 14.416 VML 3.797 DLA 24.97 RAL 168.81 RAD 6567.6 VEL 11.653 PTH 2.05 VMP 4.480 DPA -30.60 RAP 127.99 ECC 1.2372
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 27 11 3062.44 -27.57 100.95 33.31 83.28 6 18 13 2462.4 -28.22 92.35
 90.00 1 26 11 3859.66 -10.72 152.76 28.03 63.63 2 30 30 3259.7 -14.18 145.79
 100.00 7 11 14 2727.00 -29.60 76.50 33.53 85.62 7 56 41 2127.0 -29.89 67.70
 100.00 2 24 49 3670.34 -8.91 137.80 27.08 61.35 3 25 59 3070.3 -12.67 131.12
 110.00 9 2 37 2378.50 -34.17 50.19 33.69 91.03 9 42 16 1778.5 -33.65 40.98
 110.00 2 49 55 3591.61 -5.00 129.54 24.69 56.14 3 49 47 2991.6 -9.42 123.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0301 TRA .8568 TC3-1.1297 BAU .3844 SGT 1665.0 SGR 4636.0 SG3 1008.7 ST 431.1 SR 1702.0 SS 1822.6
 ROE -.7290 RRA 2.5994 RC3-1.6439 FAU .07424 RRT .9448 RRF .9977 RTF .9369 CRT .8265 CRS -.9923 CST -.7506
 FDE-2.2965 FRA 6.3812 FC3-4.4586 BSP 15432 SGB 4925.9 R23 .0536 R13 .9965 LSA 2512.2 MSA 305.1 SSA 8.7
 BOE .7296 BRA 2.7370 BC3 1.9947 FSP -3315 SG1 4898.8 SG2 516.5 THA 71.04 EL1 1739.6 EL2 237.4 ALF 77.95

LAUNCH DATE APR 10 1967

FLIGHT TIME 192.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 507.900

RL 149.87 LAL .00 LOL 199.44 VL 27.646 GAL 6.83 AZL 87.98 MCA 216.31 SMA 131.82 ECC .18060 INC 2.0226 V1 29.731
 RP 108.02 LAP -1.20 LOP 55.74 VP 38.084 GAP .30 AZP 91.63 TAL 145.67 TAP 1.98 RCA 108.01 APO 155.62 V2 35.082
 RC 78.958 GL 15.01 GP -47.73 ZAL 41.74 ZAP 95.74 ETS 355.99 ZAE 132.89 ETE 239.93 ZAC 125.83 ETC 342.23 CLP -98.55

PLANETOCENTRIC CONIC

C3 13.998 VML 3.741 DLA 21.64 RAL 167.60 RAD 6567.6 VEL 11.635 PTH 2.04 VMP 4.312 DPA -27.37 RAP 127.03 ECC 1.2304
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 11 40 2882.21 -28.32 87.83 30.59 89.80 6 59 42 2282.2 -28.04 79.18
 90.00 0 32 1 4026.91 -5.52 162.30 24.69 62.18 1 39 8 3426.9 -9.20 155.55
 100.00 7 48 4 2571.36 -29.85 64.94 30.57 91.68 8 30 56 1971.4 -29.30 56.18
 100.00 1 38 18 3812.99 -4.18 145.84 23.95 60.37 2 41 51 3213.0 -8.09 139.24
 110.00 9 27 50 2259.24 -33.64 40.92 30.25 96.49 10 5 30 1659.2 -32.37 31.91
 110.00 2 15 1 3697.87 -.95 135.10 21.94 55.83 3 16 39 3097.9 -5.43 128.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1713 TRA 1.1880 TC3-1.4038 BAU .4010 SGT 2236.9 SGR 4383.8 SG3 1078.5 ST 643.9 SR 1643.5 SS 1934.9
 ROE -.7187 RRA 2.4684 RC3-1.6188 FAU .07941 RRT .9710 RRF .9974 RTF .9646 CRT .9509 CRS -.9918 CST -.9035
 FDE-2.5749 FRA 6.8334 FC3-4.9111 BSP 15387 SGB 4921.5 R23 .0651 R13 .9954 LSA 2603.3 MSA 286.9 SSA 9.2
 BOE .7388 BRA 2.7394 BC3 2.1427 FSP -3582 SG1 4898.1 SG2 478.7 THA 63.37 EL1 1755.3 EL2 186.6 ALF 69.32

LAUNCH DATE APR 10 1967

FLIGHT TIME 194.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 514.238

RL 149.87 LAL .00 LOL 199.44 VL 27.646 GAL 6.89 AZL 88.40 MCA 219.52 SMA 131.82 ECC .18131 INC 1.5993 V1 29.731
 RP 107.98 LAP -1.02 LOP 58.95 VP 38.096 GAP .76 AZP 91.23 TAL 145.45 TAP 4.97 RCA 107.92 APO 155.72 V2 35.094
 RC 81.139 GL 11.90 GP -44.96 ZAL 40.56 ZAP 100.05 ETS 352.21 ZAE 133.24 ETE 233.54 ZAC 128.41 ETC 342.00 CLP -104.27

PLANETOCENTRIC CONIC

C3 13.807 VML 3.716 DLA 18.66 RAL 166.61 RAD 6567.5 VEL 11.627 PTH 2.04 VMP 4.204 DPA -24.22 RAP 126.07 ECC 1.2272
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 42 9 2752.40 -27.98 78.36 28.21 94.54 7 28 1 2152.4 -27.06 69.81
 90.00 23 49 42 4150.71 -1.55 169.23 22.52 61.72 24 58 53 3550.7 -5.32 162.58
 100.00 8 14 47 2453.67 -29.30 56.24 28.07 96.23 8 55 41 1853.7 -28.12 47.63
 100.00 1 3 41 3924.67 -.40 151.97 21.88 60.11 2 9 6 3324.7 -4.37 145.44
 110.00 9 47 35 2163.30 -32.66 33.61 27.49 100.71 10 23 39 1563.3 -30.84 24.86
 110.00 1 47 22 3787.80 2.48 139.80 20.08 55.90 2 50 30 3187.8 -2.01 133.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.3171 TRA 1.5080 TC3-1.6640 BAU .4192 SGT 2791.3 SGR 4096.7 SG3 1126.3 ST 884.6 SR 1567.0 SS 2033.2
 ROE -.7008 RRA 2.3233 RC3-1.5456 FAU .08274 RRT .7819 RRF .9969 RTF .9762 CRT .9846 CRS -.9910 CST -.9524
 FDE-2.8333 FRA 7.1655 FC3-5.1881 BSP 15455 SGB 4957.3 R23 .0737 R13 .9943 LSA 2701.5 MSA 272.3 SSA 9.7
 BOE .7693 BRA 2.7698 BC3 2.2711 FSP -3778 SG1 4937.8 SG2 438.7 THA 55.91 EL1 1794.4 EL2 135.2 ALF 60.75

LAUNCH DATE APR 10 1967

FLIGHT TIME 196.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 520.555

RL 149.87 LAL .00 LOL 199.44 VL 27.645 GAL 6.97 AZL 88.77 MCA 222.73 SMA 131.81 ECC .18229 INC 1.2296 V1 29.731
 RP 107.94 LAP -.83 GP 62.17 VP 38.107 GAP 1.22 AZP 90.90 TAL 145.22 TAP 7.95 RCA 107.78 APO 155.84 V2 35.107
 RC 83.336 GL 9.12 GP -42.23 ZAL 39.60 ZAP 104.46 ETS 348.91 ZAE 133.17 ETE 227.45 ZAC 130.87 ETC 342.18 CLP -109.71

PLANETOCENTRIC CONIC

C3 13.794 VML 3.714 DLA 15.97 RAL 165.80 RAD 6567.5 VEL 11.627 PTH 2.04 VMP 4.145 DPA -21.17 RAP 125.18 ECC 1.2270
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 5 47 2649.92 -27.21 70.96 26.31 98.17 7 49 57 2049.9 -25.80 62.58
 90.00 23 19 41 4252.69 1.74 174.92 21.11 61.73 24 30 33 3652.7 -2.05 168.30
 100.00 8 35 59 2352.00 -28.40 49.35 26.10 99.75 9 15 18 1759.0 -26.76 40.93
 100.00 0 36 5 4018.90 2.79 157.15 20.52 60.23 1 43 4 3418.9 -1.19 150.62
 110.00 10 3 55 2083.89 -31.50 27.70 25.34 104.02 10 38 39 1483.9 -29.25 19.22
 110.00 1 24 39 3866.77 5.49 143.94 18.85 56.21 2 29 5 3266.8 1.01 137.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.4670 TRA 1.8142 TC3-1.8979 BAU .4390 SGT 3313.8 SGR 3787.8 SG3 1151.2 ST 1133.0 SR 1474.6 SS 2114.1
 ROE -.6743 RRA 2.1702 RC3-1.4367 FAU .08414 RRT .9872 RRF .9963 RTF .9821 CRT .9955 CRS -.9899 CST -.9722
 FDE-3.0568 FRA 7.3717 FC3-5.2812 BSP 15653 SGB 5032.8 R23 .0782 R13 .9932 LSA 2803.5 MSA 260.9 SSA 10.1
 BOE .8202 BRA 2.8287 BC3 2.3804 FSP -3900 SG1 5016.9 SG2 399.0 THA 48.87 EL1 1857.7 EL2 85.1 ALF 52.50

LAUNCH DATE APR 10 1967

FLIGHT TIME 198.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 526.850

RL 149.87 LAL .00 LOL 199.44 VL 27.642 GAL 7.07 AZL 89.10 MCA 225.94 SMA 131.79 ECC .18352 INC .9020 V1 29.731
 RP 107.91 LAP -.65 LOP 65.38 VP 38.116 GAP 1.68 AZP 90.63 TAL 144.96 TAP 10.90 RCA 107.60 APO 155.98 V2 35.119
 RC 85.546 GL 6.65 GP -39.56 ZAL 38.82 ZAP 108.89 ETS 346.06 ZAE 132.73 ETE 221.80 ZAC 135.13 ETC 342.78 CLP-114.83

PLANETOCENTRIC CONIC

C3 13.924 VHL 3.732 DLA 13.54 RAL 165.16 RAD 6567.5 VEL 11.632 PTH 2.04 VMP 4.130 DPA -18.23 RAP 124.40 ECC 1.2292
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 25 15 2565.80 -26.25 64.99 24.87 101.01 8 8 1 1965.8 -24.47 56.78
 90.00 22 55 4 4341.00 4.58 179.86 20.25 62.02 24 7 25 3741.0 .80 173.22
 100.00 8 53 42 2280.57 -27.37 43.75 24.61 102.52 9 31 43 1680.6 -25.37 35.52
 100.00 0 13 15 4101.47 5.57 161.70 19.70 60.58 1 21 36 3501.5 1.61 155.15
 110.00 10 17 54 2017.12 -30.30 22.87 23.74 106.65 10 51 31 1417.1 -27.72 14.63
 110.00 1 5 32 3937.68 8.16 147.69 18.11 56.69 2 11 10 3337.7 3.72 141.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.6201 TRA 2.1052 TC3-2.0980 BAU .4602 SGT 3796.5 SGR 3470.8 SG3 1154.3 ST 1379.8 SR 1370.9 SS 2177.1
 RDE -.6404 RRA 2.0150 RC3-1.3076 FAU .08382 RRT .9900 RRF .9954 RTF .9853 CRT .9992 CRS -.9883 CST -.9817
 FDE -3.2388 FRA 7.4553 FC3-5.2112 BSP 15991 SGB 5143.9 R23 .0779 R13 .9923 LSA 2908.4 MSA 252.3 SSA 10.5
 BDE .8915 BRA 2.9141 BC3 2.4722 FSP -3950 SGI 5131.2 SG2 362.0 THA 42.41 EL1 1944.6 EL2 39.0 ALF 44.81

LAUNCH DATE APR 10 1967

FLIGHT TIME 200.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 535.124

RL 149.87 LAL .00 LOL 199.44 VL 27.637 GAL 7.18 AZL 89.39 MCA 229.16 SMA 131.76 ECC .18501 INC .6079 V1 29.731
 RP 107.87 LAP -.46 LOP 68.60 VP 38.124 GAP 2.15 AZP 90.40 TAL 144.67 TAP 13.83 RCA 107.38 APO 156.14 V2 35.131
 RC 87.767 GL 4.43 GP -36.99 ZAL 38.16 ZAP 113.24 ETS 343.62 ZAE 132.00 ETE 216.68 ZAC 135.13 ETC 343.80 CLP-119.61

PLANETOCENTRIC CONIC

C3 14.180 VHL 3.766 DLA 11.34 RAL 164.66 RAD 6567.6 VEL 11.643 PTH 2.04 VMP 4.153 DPA -15.44 RAP 123.79 ECC 1.2334
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 41 56 2495.28 -25.24 60.07 23.84 103.28 8 23 31 1895.3 -23.16 52.02
 90.00 22 34 23 4419.52 7.06 184.29 19.82 62.51 23 48 2 3819.5 3.33 177.60
 100.00 9 9 0 2214.49 -26.31 39.13 23.54 104.73 9 45 54 1614.5 -24.02 31.07
 100.00 23 50 0 4175.54 8.03 165.83 19.29 61.11 24 59 36 3575.5 4.12 159.23
 110.00 10 30 11 1960.44 -29.12 18.88 22.59 108.75 11 2 52 1360.4 -26.29 10.84
 110.00 0 49 14 4002.36 10.56 151.16 17.77 57.30 1 55 56 3402.4 6.17 144.81

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.7735 TRA 2.3842 TC3-2.2539 BAU .4807 SGT 4237.5 SGR 3158.2 SG3 1138.2 ST 1618.6 SR 1258.0 SS 2218.0
 RDE -.5979 RRA 1.8854 RC3-1.1622 FAU .08144 RRT .9914 RRF .9941 RTF .9871 CRT .9999 CRS -.9861 CST -.9870
 FDE -3.3636 FRA 7.4407 FC3-4.9723 BSP 16369 SGB 5284.9 R23 .0723 R13 .9916 LSA 3010.2 MSA 246.1 SSA 10.8
 BDE .9776 BRA 3.0272 BC3 2.5359 FSP -3910 SGI 5274.5 SG2 332.4 THA 36.63 EL1 2049.9 EL2 12.1 ALF 37.86

LAUNCH DATE APR 10 1967

FLIGHT TIME 202.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 539.374

RL 149.87 LAL .00 LOL 199.44 VL 27.631 GAL 7.31 AZL 89.66 MCA 232.38 SMA 131.72 ECC .18678 INC .3409 V1 29.731
 RP 107.83 LAP -.27 LOP 71.82 VP 38.130 GAP 2.61 AZP 90.21 TAL 144.36 TAP 16.74 RCA 107.11 APO 156.32 V2 35.143
 RC 89.996 GL 2.45 GP -34.53 ZAL 37.59 ZAP 117.47 ETS 341.53 ZAE 131.05 ETE 212.16 ZAC 136.83 ETC 345.18 CLP-124.06

PLANETOCENTRIC CONIC

C3 14.547 VHL 3.814 DLA 9.36 RAL 164.28 RAD 6567.6 VEL 11.659 PTH 2.05 VMP 4.210 DPA -12.83 RAP 123.35 ECC 1.2394
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 56 36 2435.47 -24.24 55.98 23.17 105.10 8 37 11 1835.5 -21.94 48.06
 90.00 22 16 41 4490.67 9.28 188.34 19.73 63.13 23 31 31 3890.7 5.60 181.60
 100.00 9 22 31 2158.33 -25.28 35.27 22.85 106.51 9 58 30 1558.3 -22.77 27.37
 100.00 23 33 26 4243.03 10.23 169.63 19.23 61.76 24 44 9 3643.0 6.38 162.96
 110.00 10 41 12 1912.12 -28.02 15.55 21.82 110.43 11 13 4 1312.1 -24.98 7.70
 110.00 0 35 11 4062.02 12.73 154.42 17.75 58.01 1 42 53 3462.0 8.41 147.98

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.9298 TRA 2.6472 TC3-2.3753 BAU .5031 SGT 4634.3 SGR 2857.8 SG3 1106.3 ST 1848.1 SR 1144.5 SS 2244.9
 RDE -.5535 RRA 1.7210 RC3-1.0247 FAU .07829 RRT .9919 RRF .9925 RTF .9882 CRT .9990 CRS -.9831 CST -.9901
 FDE -3.4515 FRA 7.3274 FC3-4.6590 BSP 16912 SGB 5444.6 R23 .0619 R13 .9910 LSA 3115.5 MSA 241.9 SSA 11.1
 BDE 1.0820 BRA 3.1574 BC3 2.5869 FSP -3835 SGI 5435.8 SG2 308.8 THA 31.57 EL1 2173.3 EL2 43.4 ALF 31.76

LAUNCH DATE APR 10 1967

FLIGHT TIME 204.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 545.599

RL 149.87 LAL .00 LOL 199.44 VL 27.624 GAL 7.46 AZL 89.90 MCA 235.60 SMA 131.66 ECC .18881 INC .0946 V1 29.731
 RP 107.80 LAP -.08 LOP 75.04 VP 38.135 GAP 3.08 AZP 90.05 TAL 144.02 TAP 19.62 RCA 106.80 APO 156.52 V2 35.154
 RC 92.232 GL .68 GP -32.21 ZAL 37.08 ZAP 121.53 ETS 339.74 ZAE 129.96 ETE 208.22 ZAC 138.21 ETC 346.88 CLP-128.18

PLANETOCENTRIC CONIC

C3 15.022 VHL 3.876 DLA 7.55 RAL 164.00 RAD 6567.6 VEL 11.679 PTH 2.05 VMP 4.296 DPA -10.40 RAP 123.10 ECC 1.2472
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 9 43 2364.43 -23.29 52.54 22.81 106.57 8 49 28 1784.4 -20.80 44.75
 90.00 22 1 22 4556.01 11.26 192.12 19.94 63.85 23 17 18 3956.0 7.66 185.29
 100.00 9 34 41 2110.37 -24.31 32.04 22.46 107.96 10 9 52 1510.4 -21.63 24.27
 100.00 23 19 5 4305.30 12.21 173.19 19.45 62.50 24 30 50 3705.3 8.43 166.44
 110.00 10 51 13 1870.87 -27.01 12.77 21.38 111.80 11 22 24 1270.9 -23.81 5.07
 110.00 0 22 58 4117.56 14.71 157.50 18.00 58.79 1 31 36 3517.6 10.47 150.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -1.0864 TRA 2.8993 TC3-2.4563 BAU .5248 SGT 4989.8 SGR 2576.8 SG3 1062.6 ST 2065.1 SR 1031.5 SS 2255.0
 RDE -.5059 RRA 1.5873 RC3 -.8919 FAU .07405 RRT .9917 RRF .9903 RTF .9889 CRT .9968 CRS -.9791 CST -.9922
 FDE -3.4931 FRA 7.1489 FC3-4.2674 BSP 17500 SGB 5615.9 R23 .0479 R13 .9905 LSA 3218.2 MSA 238.9 SSA 11.4
 BDE 1.1984 BRA 3.3054 BC3 2.6133 FSP -3710 SGI 5608.8 SG2 294.3 THA 27.20 EL1 2307.2 EL2 74.2 ALF 26.50

LAUNCH DATE APR 10 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC
 RL 149.87 LAL .00 LOL 199.44 VL 27.616 GAL 7.62 AZL 90.13 MCA 238.82 SMA 131.60 ECC .19113 INC .1297 V1 29.731
 RP 107.77 LAP .11 LOP 78.27 VP 38.139 GAP 3.55 AZP 89.93 TAL 143.66 TAP 22.48 RCA 106.45 APO 156.76 V2 35.165
 RC 94.474 GL -.91 GP -30.04 ZAL 36.62 ZAP 125.39 ETS 336.20 ZAE 128.78 ETE 204.84 ZAC 139.24 ETC 348.80 CLP-131.99

PLANETOCENTRIC CONIC
 C3 15.600 VML 3.950 DLA 5.91 RAL 163.83 RAD 6567.6 VEL 11.704 PTH 2.06 VMP 4.410 DPA -8.18 RAP 123.06 ECC 1.2567
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 21 39 2340.78 -22.42 49.64 22.71 107.77 9 0 40 1740.8 -19.78 41.96
 90.00 21 48 1 4616.64 13.06 195.66 20.39 64.65 23 4 58 4016.6 9.54 188.76
 100.00 9 45 47 2069.39 -23.42 29.32 22.35 109.13 10 20 17 1469.4 -20.60 21.66
 100.00 23 6 33 4363.27 14.01 176.56 19.92 63.32 24 19 17 3763.3 10.32 169.71
 110.00 11 0 27 1835.76 -26.10 10.45 21.22 112.90 11 31 2 1235.8 -22.77 2.87
 110.00 0 12 20 4169.67 16.53 160.45 18.50 59.64 1 21 49 3569.7 12.37 153.80

DIFFERENTIAL CORRECTIONS
 TDE-1.2437 TRA 3.1424 TC3-2.5019 BAU .5460
 RDE -.4572 RRA 1.4652 RC3 -.7704 FAU .06921
 FDE-3.4975 FRA 6.9222 FC3-3.8407 BSP 18133
 BDE 1.3251 BRA 3.4672 BC3 2.6179 FSP -3553

MID-COURSE EXECUTION ACCURACY
 SGT 5306.9 SGR 2318.7 SG3 1010.8
 RRT .9808 RRF .9874 RTF .9892
 SGB 5791.3 R23 .0322 R13 .9901
 SG1 5784.2 SG2 287.6 TMA 23.47

ORBIT DETERMINATION ACCURACY
 ST 2269.1 SR 922.6 SS 2251.6
 CRT .9931 CRS -.9736 CST -.9936
 LSA 3318.7 MSA 236.9 SSA 11.6
 EL1 2447.5 EL2 100.2 ALF 22.03

LAUNCH DATE APR 10 1967

FLIGHT TIME 208.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC
 RL 149.87 LAL .00 LOL 199.44 VL 27.606 GAL 7.81 AZL 90.34 MCA 242.05 SMA 131.54 ECC .19373 INC .3424 V1 29.731
 RP 107.73 LAP .30 LOP 81.49 VP 38.142 GAP 4.03 AZP 89.84 TAL 143.27 TAP 25.32 RCA 106.05 APO 157.02 V2 35.175
 RC 96.719 GL -2.32 GP -28.03 ZAL 36.19 ZAP 129.03 ETS 336.86 ZAE 127.57 ETE 201.96 ZAC 139.93 ETC 350.87 CLP-135.52

PLANETOCENTRIC CONIC
 C3 16.283 VML 4.035 DLA 4.41 RAL 163.73 RAD 6567.7 VEL 11.733 PTH 2.07 VMP 4.547 DPA -6.18 RAP 123.21 ECC 1.2680
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 32 37 2303.51 -21.62 47.19 22.86 108.74 9 11 0 1703.5 -18.86 39.61
 90.00 21 36 19 4673.36 14.69 199.04 21.07 65.52 22 54 12 4073.4 11.26 192.03
 100.00 9 56 1 2034.46 -22.62 27.03 22.48 110.08 10 29 56 1434.5 -19.68 19.47
 100.00 22 55 35 4417.66 15.65 179.77 20.80 64.20 24 9 13 3817.7 12.05 172.82
 110.00 11 9 1 1806.02 -25.30 8.51 21.30 113.80 11 39 7 1206.0 -21.86 1.04
 110.00 0 3 1 4218.87 18.20 163.28 19.21 60.55 1 13 20 3618.9 14.14 156.52

DIFFERENTIAL CORRECTIONS
 TDE-1.4011 TRA 3.3794 TC3-2.5135 BAU .5658
 RDE -.4083 RRA 1.3556 RC3 -.6607 FAU .06391
 FDE-3.4890 FRA 6.6676 FC3-3.3980 BSP 18762
 BDE 1.4594 BRA 3.6412 BC3 2.5989 FSP -3372

MID-COURSE EXECUTION ACCURACY
 SGT 5588.8 SGR 2085.0 SG3 954.1
 RRT .9891 RRF .9837 RTF .9894
 SGB 5965.0 R23 .0168 R13 .9898
 SG1 5958.1 SG2 287.7 TMA 20.30

ORBIT DETERMINATION ACCURACY
 ST 2458.9 SR 819.6 SS 2235.8
 CRT .9877 CRS -.9662 CST -.9946
 LSA 3414.9 MSA 235.4 SSA 11.8
 EL1 2589.0 EL2 121.8 ALF 18.26

LAUNCH DATE APR 10 1967

FLIGHT TIME 210.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC
 RL 149.87 LAL .00 LOL 199.44 VL 27.596 GAL 8.01 AZL 90.54 MCA 245.28 SMA 131.46 ECC .19663 INC .5424 V1 29.731
 RP 107.70 LAP .49 LOP 84.72 VP 38.143 GAP 4.52 AZP 89.77 TAL 142.86 TAP 28.14 RCA 105.61 APO 157.31 V2 35.185
 RC 98.967 GL -3.59 GP -26.19 ZAL 35.78 ZAP 132.46 ETS 335.66 ZAE 126.37 ETE 199.52 ZAC 140.29 ETC 352.99 CLP-138.78

PLANETOCENTRIC CONIC
 C3 17.076 VML 4.132 DLA 3.05 RAL 163.72 RAD 6567.7 VEL 11.767 PTH 2.08 VMP 4.707 DPA -4.34 RAP 123.55 ECC 1.2810
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 42 46 2271.84 -20.92 45.14 23.22 109.54 9 20 38 1671.8 -18.06 37.63
 90.00 21 26 2 4726.85 16.17 202.26 21.94 66.43 22 44 49 4126.9 12.85 195.16
 100.00 10 5 32 2004.88 -21.92 25.11 22.83 110.85 10 38 57 1404.9 -18.89 17.63
 100.00 22 45 57 4469.04 17.14 182.85 21.48 65.13 24 0 26 3869.0 13.65 175.80
 110.00 11 17 2 1781.07 -24.60 6.90 21.61 114.52 11 46 43 1181.1 -21.08 359.52
 110.00 23 50 56 4265.62 19.74 166.03 20.11 61.51 25 2 2 3665.6 15.78 159.15

DIFFERENTIAL CORRECTIONS
 TDE-1.5561 TRA 3.6164 TC3-2.4889 BAU .5824
 RDE -.3588 RRA 1.2593 RC3 -.5609 FAU .05812
 FDE-3.4079 FRA 6.4057 FC3-2.9467 BSP 19303
 BDE 1.5969 BRA 3.8294 BC3 2.5513 FSP -3162

MID-COURSE EXECUTION ACCURACY
 SGT 5839.6 SGR 1876.1 SG3 895.3
 RRT .9864 RRF .9790 RTF .9894
 SGB 6133.5 R23 .0035 R13 .9896
 SG1 6126.5 SG2 293.5 TMA 17.63

ORBIT DETERMINATION ACCURACY
 ST 2632.2 SR 723.1 SS 2207.2
 CRT .9796 CRS -.9560 CST -.9954
 LSA 3502.7 MSA 234.3 SSA 12.0
 EL1 2726.1 EL2 140.3 ALF 15.10

LAUNCH DATE APR 10 1967

FLIGHT TIME 212.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC
 RL 149.87 LAL .00 LOL 199.44 VL 27.584 GAL 8.24 AZL 90.73 MCA 248.51 SMA 131.38 ECC .19984 INC .7323 V1 29.731
 RP 107.67 LAP .68 LOP 87.95 VP 38.144 GAP 5.01 AZP 89.73 TAL 142.43 TAP 30.94 RCA 105.12 APO 157.63 V2 35.195
 RC 101.218 GL -4.72 GP -24.50 ZAL 35.37 ZAP 135.66 ETS 334.56 ZAE 125.20 ETE 197.46 ZAC 140.35 ETC 355.08 CLP-141.81

PLANETOCENTRIC CONIC
 C3 17.983 VML 4.241 DLA 1.80 RAL 163.77 RAD 6567.7 VEL 11.805 PTH 2.09 VMP 4.887 DPA -2.73 RAP 124.07 ECC 1.2960
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 52 15 2245.17 -20.30 43.43 23.77 110.18 9 29 40 1645.2 -17.37 35.98
 90.00 21 16 59 4777.53 17.52 205.37 22.99 67.39 22 36 36 4177.5 14.31 198.16
 100.00 10 14 25 1980.09 -21.31 23.52 23.36 111.47 10 47 26 1380.1 -18.20 16.10
 100.00 22 37 29 4517.84 18.52 185.82 22.54 66.10 23 52 47 3917.8 15.13 178.66
 110.00 11 24 35 1760.46 -24.01 5.59 22.10 115.09 11 53 56 1160.5 -20.43 358.28
 110.00 23 43 48 4310.23 21.17 168.71 21.18 62.51 24 55 39 3710.2 17.32 161.69

DIFFERENTIAL CORRECTIONS
 TDE-1.7156 TRA 3.8479 TC3-2.4470 BAU .5994
 RDE -.3126 RRA 1.1726 RC3 -.4778 FAU .05275
 FDE-3.3382 FRA 6.1317 FC3-2.5396 BSP 19922
 BDE 1.7438 BRA 4.0226 BC3 2.4932 FSP -2969

MID-COURSE EXECUTION ACCURACY
 SGT 6061.0 SGR 1689.7 SG3 836.3
 RRT .9828 RRF .9732 RTF .9893
 SGB 6292.1 R23 -.0082 R13 .9893
 SG1 6284.9 SG2 301.2 TMA 15.36

ORBIT DETERMINATION ACCURACY
 ST 2794.9 SR 636.1 SS 2174.9
 CRT .9684 CRS -.9425 CST -.9960
 LSA 3590.5 MSA 233.3 SSA 12.1
 EL1 2862.2 EL2 154.9 ALF 12.47

LAUNCH DATE APR 10 1967		FLIGHT TIME 214.00		ARRIVAL DATE NOV 10 1967	
HELIOCENTRIC CONIC		DISTANCE 576.298			
RL 149.87 LAL .00 LOL 199.44 VL 27.572 GAL 8.48 AZL 90.91 MCA 251.74 SMA 131.29 ECC .20338 INC .9140 V1 29.731					
RP 107.65 LAP .87 LOP 91.18 VP 38.143 GAP 5.52 AZP 89.71 TAL 141.98 TAP 33.72 RCA 104.59 APO 157.99 V2 35.204					
RC 103.470 GL -5.73 GP -22.96 ZAL 34.96 ZAP 138.66 ETS 333.53 ZAE 124.08 ETE 195.73 ZAC 140.14 ETC 357.10 CLP-144.63					
PLANETOCENTRIC CONIC					
C3 19.014 VML 4.360 DLA .67 RAL 163.88 RAD 6567.8 VEL 11.849 PTH 2.10 VMP 5.086 DPA -1.29 RAP 124.76 ECC 1.3129					
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG					
90.00 9 1 8 2223.01 -19.77 42.02 24.50 110.69 9 38 11 1623.0 -16.78 34.62					
90.00 21 9 1 4825.83 18.76 208.37 24.19 68.39 22 29 26 4225.8 15.66 201.06					
100.00 10 22 47 1959.63 -20.79 22.22 24.07 111.97 10 55 26 1359.6 -17.63 14.86					
100.00 22 30 3 4564.44 19.77 188.71 23.75 67.12 23 46 7 3964.4 16.51 181.44					
110.00 11 31 44 1743.80 -23.53 4.54 22.77 115.55 12 0 48 1143.8 -19.89 357.28					
110.00 23 37 35 4353.03 22.49 171.33 22.42 63.55 24 50 8 3753.0 18.75 164.18					
DIFFERENTIAL CORRECTIONS		MID-COURSE EXECUTION ACCURACY		ORBIT DETERMINATION ACCURACY	
TOE-1.8754 TRA 4.0819 TC3-2.3821 BAU .6142		SGT 6257.7 SGR 1525.1 SG3 778.7		ST 2943.8 SR 557.6 SS 2136.2	
RDE -.2678 RRA 1.0967 RC3 -.4058 FAU .04745		RRT .9779 RRF .9660 RTF .9892		CRT .9526 CRS -.9242 CST -.9965	
FDE-3.2538 FRA 5.8650 FC3-2.1607 BSP 20479		SGB 6440.9 R23 -.0175 R13 .9891		LSA 3672.3 MSA 232.3 SSA 12.2	
BOE 1.8944 BRA 4.2266 BC3 2.4165 FSP -2771		SG1 6433.4 SG2 310.5 TMA 13.44		EL1 2991.5 EL2 166.9 ALF 10.26	
LAUNCH DATE APR 10 1967		FLIGHT TIME 216.00		ARRIVAL DATE NOV 12 1967	
HELIOCENTRIC CONIC		DISTANCE 582.337			
RL 149.87 LAL .00 LOL 199.44 VL 27.558 GAL 8.75 AZL 91.09 MCA 254.98 SMA 131.19 ECC .20727 INC 1.0891 V1 29.731					
RP 107.62 LAP 1.05 LOP 94.42 VP 38.141 GAP 6.03 AZP 89.72 TAL 141.51 TAP 36.49 RCA 104.00 APO 158.38 V2 35.212					
RC 105.723 GL -6.62 GP -21.56 ZAL 34.55 ZAP 141.47 ETS 332.52 ZAE 123.03 ETE 194.26 ZAC 139.68 ETC 358.99 CLP-147.25					
PLANETOCENTRIC CONIC					
C3 20.179 VML 4.492 DLA -.37 RAL 164.05 RAD 6567.8 VEL 11.898 PTH 2.11 VMP 5.304 DPA -.04 RAP 125.60 ECC 1.3321					
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG					
90.00 9 9 29 2204.98 -19.33 40.87 25.37 111.10 9 46 14 1605.0 -16.29 33.52					
90.00 21 2 0 4872.06 19.89 211.29 25.55 69.42 22 23 12 4272.1 16.92 203.88					
100.00 10 30 39 1943.15 -20.37 21.18 24.94 112.36 11 3 2 1343.1 -17.16 13.86					
100.00 22 23 31 4609.12 20.93 191.52 25.12 68.16 23 40 20 4009.1 17.78 184.14					
110.00 11 38 30 1730.77 -23.14 3.72 23.60 115.89 12 7 21 1130.8 -19.47 356.51					
110.00 23 32 10 4394.26 23.71 173.90 23.81 64.63 24 45 24 3794.3 20.10 166.62					
DIFFERENTIAL CORRECTIONS		MID-COURSE EXECUTION ACCURACY		ORBIT DETERMINATION ACCURACY	
TOE-2.0372 TRA 4.3186 TC3-2.3001 BAU .6274		SGT 6431.6 SGR 1379.8 SG3 723.4		ST 3080.1 SR 487.6 SS 2093.4	
RDE -.2249 RRA 1.0299 RC3 -.3444 FAU .04240		RRT .9715 RRF .9573 RTF .9890		CRT .9305 CRS -.8994 CST -.9970	
FDE-3.1617 FRA 5.8079 FC3-1.8192 BSP 21024		SGB 6578.0 R23 -.0248 R13 .9888		LSA 3748.8 MSA 231.3 SSA 12.3	
BOE 2.0496 BRA 4.4398 BC3 2.3257 FSP -2582		SG1 6570.2 SG2 320.2 TMA 11.80		EL1 3113.4 EL2 176.7 ALF 8.41	
LAUNCH DATE APR 10 1967		FLIGHT TIME 218.00		ARRIVAL DATE NOV 14 1967	
HELIOCENTRIC CONIC		DISTANCE 588.336			
RL 149.87 LAL .00 LOL 199.44 VL 27.544 GAL 9.05 AZL 91.26 MCA 258.21 SMA 131.09 ECC .21152 INC 1.2591 V1 29.731					
RP 107.60 LAP 1.23 LOP 97.65 VP 38.138 GAP 6.56 AZP 89.74 TAL 141.02 TAP 39.23 RCA 103.36 APO 158.82 V2 35.220					
RC 107.975 GL -7.41 GP -20.29 ZAL 34.14 ZAP 144.09 ETS 331.51 ZAE 122.03 ETE 193.02 ZAC 139.00 ETC .72 CLP-149.71					
PLANETOCENTRIC CONIC					
C3 21.491 VML 4.636 DLA -1.32 RAL 164.27 RAD 6567.9 VEL 11.953 PTH 2.13 VMP 5.539 DPA 1.05 RAP 126.58 ECC 1.3337					
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG					
90.00 9 17 22 2190.75 -18.98 39.98 26.40 111.41 9 53 53 1590.8 -15.91 32.65					
90.00 20 55 51 4916.50 20.93 214.14 27.04 70.48 22 17 48 4316.5 18.08 206.62					
100.00 10 38 6 1930.34 -20.04 20.38 25.94 112.66 11 10 16 1330.3 -16.79 13.08					
100.00 22 17 49 4652.15 22.00 194.27 26.62 69.23 23 35 21 4052.1 18.98 186.78					
110.00 11 44 56 1721.12 -22.85 3.12 24.57 116.14 12 13 37 1121.1 -19.15 355.94					
110.00 23 27 28 4434.13 24.85 176.43 25.33 65.74 24 41 22 3834.1 21.37 169.02					
DIFFERENTIAL CORRECTIONS		MID-COURSE EXECUTION ACCURACY		ORBIT DETERMINATION ACCURACY	
TOE-2.2012 TRA 4.5615 TC3-2.2019 BAU .6382		SGT 6585.5 SGR 1251.6 SG3 671.0		ST 3204.2 SR 426.0 SS 2047.7	
RDE -.1839 RRA .9713 RC3 -.2916 FAU .03755		RRT .9635 RRF .9470 RTF .9888		CRT .8998 CRS -.8657 CST -.9973	
FDE-3.0647 FRA 5.3655 FC3-1.5128 BSP 21513		SGB 6703.4 R23 -.0304 R13 .9886		LSA 3819.5 MSA 230.2 SSA 12.4	
BOE 2.2089 BRA 4.6638 BC3 2.2211 FSP -2399		SG1 6695.3 SG2 329.7 TMA 10.40		EL1 3227.2 EL2 184.5 ALF 6.84	
LAUNCH DATE APR 10 1967		FLIGHT TIME 220.00		ARRIVAL DATE NOV 16 1967	
HELIOCENTRIC CONIC		DISTANCE 594.292			
RL 149.87 LAL .00 LOL 199.44 VL 27.530 GAL 9.37 AZL 91.43 MCA 261.45 SMA 130.99 ECC .21616 INC 1.4251 V1 29.731					
RP 107.58 LAP 1.41 LOP 100.89 VP 38.134 GAP 7.10 AZP 89.79 TAL 140.52 TAP 41.97 RCA 102.67 APO 159.30 V2 35.227					
RC 110.226 GL -8.10 GP -19.14 ZAL 33.72 ZAP 146.54 ETS 330.47 ZAE 121.11 ETE 191.96 ZAC 138.13 ETC 2.29 CLP-152.02					
PLANETOCENTRIC CONIC					
C3 22.968 VML 4.793 DLA -2.18 RAL 164.53 RAD 6567.9 VEL 12.014 PTH 2.14 VMP 5.792 DPA 1.98 RAP 127.69 ECC 1.3780					
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG					
90.00 9 24 49 2180.07 -18.72 39.31 27.55 111.64 10 1 9 1580.1 -15.61 32.01					
90.00 20 50 29 4959.39 21.88 216.92 28.66 71.56 22 13 9 4359.4 19.16 209.31					
100.00 10 45 9 1920.96 -19.79 19.79 27.08 112.87 11 17 10 1321.0 -16.52 12.52					
100.00 22 12 51 4693.74 22.98 196.98 28.25 70.33 23 31 5 4093.7 20.09 189.37					
110.00 11 51 3 1714.62 -22.66 2.72 25.68 116.31 12 19 38 1114.6 -18.94 355.56					
110.00 23 23 25 4472.84 25.91 178.94 26.99 66.88 24 37 58 3872.8 22.56 171.39					
DIFFERENTIAL CORRECTIONS		MID-COURSE EXECUTION ACCURACY		ORBIT DETERMINATION ACCURACY	
TOE-2.3646 TRA 4.8154 TC3-2.0861 BAU .6450		SGT 6721.6 SGR 1138.8 SG3 621.8		ST 3313.9 SR 372.4 SS 1997.8	
RDE -.1438 RRA .9202 RC3 -.2453 FAU .03278		RRT .9535 RRF .9348 RTF .9886		CRT .8567 CRS -.8196 CST -.9976	
FDE-2.9607 FRA 5.1432 FC3-1.2357 BSP 21880		SGB 6817.4 R23 -.0341 R13 .9884		LSA 3880.6 MSA 229.2 SSA 12.5	
BOE 2.3690 BRA 4.9025 BC3 2.1005 FSP -2215		SG1 6809.0 SG2 338.8 TMA 9.20		EL1 3329.3 EL2 191.2 ALF 5.52	

LAUNCH DATE APR 11 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUN 20 1967

HELIOCENTRIC CONIC

DISTANCE 119.424

RL 149.91 LAL -.00 LOL 200.43 VL 12.758 GAL 44.18 AZL 85.28 MCA 23.07 SMA 82.54 ECC .91008 INC 4.7204 V1 29.723
 RP 108.24 LAP 1.85 LOP 223.43 VP 29.060 GAP -64.15 AZP 85.66 TAL 174.21 TAP 197.28 RCA 7.42 APO 157.67 V2 35.012
 RC 106.745 GL 1.94 GP 2.62 ZAL 67.84 ZAP 40.44 ETS 186.45 ZAE 130.25 ETE 179.87 ZAC 163.07 ETC 98.84 CLP 40.37

PLANETOCENTRIC CONIC

C3 495.434 VHL 22.258 DLA 18.89 RAL 135.65 RAD 6572.3 VEL 24.834 PTH 3.34 VMP 34.675 OPA 26.34 RAP 82.85 ECC 9.1536
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 32 15 3471.11 -21.16 129.05 50.32 70.73 5 30 6 2871.1 -23.59 121.22
 90.00 21 44 44 4850.94 19.30 209.95 35.82 68.94 23 5 35 4250.9 16.35 202.59
 100.00 6 5 8 3171.61 -23.15 107.77 51.08 70.54 6 57 59 2571.6 -25.59 99.82
 100.00 22 54 33 4825.68 21.35 192.58 35.01 68.56 24 11 39 4025.7 18.25 185.15
 110.00 7 38 24 2879.77 -28.25 87.84 53.12 69.90 8 26 24 2279.8 -30.72 79.31
 110.00 23 37 45 4490.28 26.37 180.09 32.79 67.42 24 52 36 3890.3 23.08 172.48

DIFFERENTIAL CORRECTIONS

TDE .7813 TRA-2.3982 TC3 -.0971 BAU .6431
 RDE-1.6773 RRA -.6378 RC3 -.0010 FAU .01040
 FDE -.2546 FRA .7615 FC3 -.0182 B8P 1905
 BDE 1.8503 BRA 2.4816 BC3 .0971 F8P -41

MID-COURSE EXECUTION ACCURACY

SGT 808.1 SGR 465.3 SG3 20.0
 RRT .0751 RRF -.0677 RTF -.6052
 SGB 932.5 R23 -.0000 R13 -.6056
 SGI 809.2 SG2 463.4 TMA 3.69

ORBIT DETERMINATION ACCURACY

ST 280.9 SR 434.9 SS 270.7
 CRT -.6273 CRS -.6377 CST .9973
 LSA 528.6 MSA 248.4 SSA 14.2
 EL1 477.9 EL2 199.1 ALF 117.14

LAUNCH DATE APR 11 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUN 22 1967

HELIOCENTRIC CONIC

DISTANCE 124.182

RL 149.91 LAL -.00 LOL 200.43 VL 13.626 GAL 41.67 AZL 86.19 MCA 26.25 SMA 83.74 ECC .88910 INC 3.8147 V1 29.723
 RP 108.28 LAP 1.89 LOP 226.63 VP 29.436 GAP -61.40 AZP 86.58 TAL 173.27 TAP 199.52 RCA 9.29 APO 158.19 V2 34.999
 RC 104.312 GL 1.82 GP 2.67 ZAL 66.37 ZAP 38.91 ETS 186.67 ZAE 129.98 ETE 179.60 ZAC 163.10 ETC 93.29 CLP 38.83

PLANETOCENTRIC CONIC

C3 456.520 VHL 21.366 DLA 18.35 RAL 137.09 RAD 6572.3 VEL 24.038 PTH 3.31 VMP 33.516 OPA 26.56 RAP 84.69 ECC 8.5132
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 43 43 3442.73 -21.78 127.20 51.24 71.45 5 41 6 2842.7 -24.12 119.31
 90.00 21 44 48 4865.40 19.73 210.87 36.81 69.27 23 5 54 4265.4 16.74 203.47
 100.00 6 16 3 3145.00 -23.74 106.02 51.95 71.28 7 8 28 2545.0 -26.07 98.00
 100.00 22 55 10 4638.36 21.66 193.39 36.03 68.88 24 12 28 4038.4 18.60 185.93
 110.00 7 48 14 2856.55 -28.78 86.04 53.89 70.71 8 35 51 2256.5 -31.14 77.63
 110.00 23 39 27 4499.58 26.62 180.70 33.87 67.71 24 54 27 3899.6 23.36 173.06

DIFFERENTIAL CORRECTIONS

TDE .8023 TRA-2.4239 TC3 -.1040 BAU .6346
 RDE-1.6284 RRA -.6432 RC3 -.0007 FAU .01037
 FDE -.2717 FRA .7892 FC3 -.0197 B8P 2011
 BDE 1.8135 BRA 2.5078 BC3 .1040 F8P -44

MID-COURSE EXECUTION ACCURACY

SGT 844.2 SGR 472.5 SG3 21.5
 RRT .0799 RRF -.0723 RTF -.6230
 SGB 967.4 R23 -.0001 R13 -.6234
 SGI 845.4 SG2 470.3 TMA 3.71

ORBIT DETERMINATION ACCURACY

ST 297.8 SR 439.5 SS 286.5
 CRT -.6313 CRS -.6468 CST .9973
 LSA 546.3 MSA 255.5 SSA 14.5
 EL1 488.6 EL2 207.8 ALF 118.84

LAUNCH DATE APR 11 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUN 24 1967

HELIOCENTRIC CONIC

DISTANCE 129.103

RL 149.91 LAL -.00 LOL 200.43 VL 14.452 GAL 39.45 AZL 86.91 MCA 29.43 SMA 84.98 ECC .86707 INC 3.0929 V1 29.723
 RP 108.32 LAP 1.52 LOP 229.82 VP 29.812 GAP -58.80 AZP 87.31 TAL 172.33 TAP 201.76 RCA 11.30 APO 158.67 V2 34.986
 RC 101.881 GL 1.68 GP 2.73 ZAL 64.94 ZAP 37.40 ETS 186.91 ZAE 129.78 ETE 179.31 ZAC 162.96 ETC 87.69 CLP 37.32

PLANETOCENTRIC CONIC

C3 420.883 VHL 20.515 DLA 17.80 RAL 138.48 RAD 6572.2 VEL 23.285 PTH 3.29 VMP 32.395 OPA 26.76 RAP 86.56 ECC 7.9267
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 54 54 3414.04 -22.39 125.32 52.04 72.20 5 51 48 2814.0 -24.62 117.35
 90.00 21 44 42 4879.35 20.07 211.75 37.74 69.59 23 6 2 4279.4 17.11 204.33
 100.00 6 26 42 3118.02 -24.32 104.22 52.71 72.06 -7 18 40 2518.0 -26.54 96.13
 100.00 22 55 36 4650.60 21.96 194.18 36.97 69.19 24 13 6 4050.6 18.93 186.69
 110.00 7 57 50 2832.85 -29.30 84.40 54.55 71.55 8 45 3 2232.8 -31.54 75.90
 110.00 23 40 56 4508.54 26.85 181.30 34.87 68.00 24 56 5 3908.5 23.62 173.62

DIFFERENTIAL CORRECTIONS

TDE .8227 TRA-2.4508 TC3 -.1111 BAU .6253
 RDE-1.5753 RRA -.6470 RC3 -.0003 FAU .01034
 FDE -.2890 FRA .8174 FC3 -.0213 B8P 2122
 BDE 1.7772 BRA 2.5348 BC3 .1111 F8P -48

MID-COURSE EXECUTION ACCURACY

SGT 881.7 SGR 479.1 SG3 23.1
 RRT .0849 RRF -.0770 RTF -.6404
 SGB 1003.5 R23 -.0003 R13 -.6408
 SGI 883.1 SG2 476.7 TMA 3.73

ORBIT DETERMINATION ACCURACY

ST 315.4 SR 443.6 SS 302.7
 CRT -.6347 CRS -.6549 CST .9974
 LSA 564.7 MSA 262.4 SSA 14.7
 EL1 499.4 EL2 216.5 ALF 120.64

LAUNCH DATE APR 11 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUN 26 1967

HELIOCENTRIC CONIC

DISTANCE 134.175

RL 149.91 LAL -.00 LOL 200.43 VL 15.237 GAL 37.45 AZL 87.50 MCA 32.61 SMA 86.27 ECC .84427 INC 2.5011 V1 29.723
 RP 108.36 LAP 1.35 LOP 233.02 VP 30.185 GAP -56.33 AZP 87.89 TAL 171.38 TAP 203.99 RCA 13.43 APO 159.10 V2 34.973
 RC 99.454 GL 1.54 GP 2.79 ZAL 63.56 ZAP 35.92 ETS 187.18 ZAE 129.63 ETE 179.00 ZAC 162.65 ETC 82.16 CLP 35.83

PLANETOCENTRIC CONIC

C3 388.194 VHL 19.703 DLA 17.24 RAL 139.81 RAD 6572.1 VEL 22.572 PTH 3.26 VMP 31.310 OPA 26.95 RAP 88.46 ECC 7.3887
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 5 48 3385.02 -22.98 123.40 52.72 72.99 6 2 13 2785.0 -25.10 115.36
 90.00 21 44 27 4892.78 20.38 212.61 38.58 69.91 23 5 59 4292.8 17.46 205.15
 100.00 6 37 5 3090.64 -24.88 102.38 53.36 72.87 7 28 36 2490.6 -26.99 94.21
 100.00 22 55 51 4662.39 22.24 194.94 37.85 69.50 24 13 33 4062.4 19.25 187.42
 110.00 8 7 13 2808.65 -29.81 82.70 55.09 72.44 8 54 1 2208.7 -31.92 74.12
 110.00 23 42 12 4517.14 27.06 181.87 35.80 68.27 24 57 29 3917.1 23.87 174.16

DIFFERENTIAL CORRECTIONS

TDE .8427 TRA-2.4784 TC3 -.1185 BAU .6151
 RDE-1.5242 RRA -.6491 RC3 -.0002 FAU .01032
 FDE -.3067 FRA .8459 FC3 -.0230 B8P 2243
 BDE 1.7416 BRA 2.5619 BC3 .1185 F8P -53

MID-COURSE EXECUTION ACCURACY

SGT 920.7 SGR 485.3 SG3 24.8
 RRT .0900 RRF -.0821 RTF -.6573
 SGB 1040.8 R23 -.0005 R13 -.6577
 SGI 922.1 SG2 482.6 TMA 3.74

ORBIT DETERMINATION ACCURACY

ST 333.9 SR 447.2 SS 319.3
 CRT -.6375 CRS -.6621 CST .9974
 LSA 583.9 MSA 268.9 SSA 14.9
 EL1 510.6 EL2 225.3 ALF 122.54

LAUNCH DATE APR 11 1967 FLIGHT TIME 78.00 ARRIVAL DATE JUN 28 1967

DISTANCE 139.388

HELIOCENTRIC CONIC
 RL 149.91 LAL -.00 LOL 200.43 VL 15.982 GAL 35.64 AZL 88.00 MCA 35.80 SMA 87.59 ECC .82089 INC 2.0043 V1 29.723
 RP 108.40 LAP 1.17 LOP 236.21 VP 30.554 GAP -53.99 AZP 88.37 TAL 170.42 TAP 206.21 RCA 15.69 APO 159.50 V2 34.960
 RC 97.034 GL 1.38 GP 2.85 ZAL 62.22 ZAP 34.47 ETS 187.46 ZAE 129.53 ETE 178.66 ZAC 162.18 ETC 76.80 CLP 34.37

PLANETOCENTRIC CONIC
 C3 358.167 VHL 18.925 DLA 16.68 RAL 141.09 RAD 6572.0 VEL 21.897 PTH 3.23 VHP 30.258 DPA 27.12 RAP 90.40 ECC 6.8945
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 16 25 3355.65 -23.55 121.43 53.30 73.81 6 12 21 2755.6 -25.55 113.33
 90.00 21 44 1 4905.66 20.68 213.44 39.36 70.22 23 5 47 4305.7 17.80 205.95
 100.00 6 47 13 3062.84 -25.42 100.49 53.90 73.72 7 38 16 2462.8 -27.41 92.25
 100.00 22 55 55 4673.70 22.51 195.67 38.64 69.80 24 13 48 4073.7 19.56 188.12
 110.00 8 16 21 2783.95 -30.31 80.94 55.53 73.37 9 2 45 2183.9 -32.28 72.29
 110.00 23 43 16 4525.35 27.27 182.42 36.65 68.54 24 58 41 3925.4 24.11 174.68

MID-COURSE EXECUTION ACCURACY
 SGT 960.1 SGR 490.9 SG3 26.6
 RRT .0941 RRF -.0868 RTF -.6739
 SGB 1078.3 R23 -.0012 R13 -.6743
 SG1 961.6 SG2 487.9 THA 3.71

ORBIT DETERMINATION ACCURACY
 ST 353.7 SR 450.1 SS 336.5
 CRT -.6414 CRS -.6693 CST .9974
 LSA 604.4 MSA 274.7 SSA 15.1
 EL1 522.6 EL2 233.7 ALF 124.61

DIFFERENTIAL CORRECTIONS
 TOE .8647 TRA-2.9038 TC3 -.1259 BAU .6028
 ROE-1.4728 RRA -.6496 RC3 .0008 FAU .01033
 FDE -.3251 FRA .8745 FC3 -.0250 BSP 2439
 BOE 1.7079 BRA 2.5867 BC3 .1259 FSP -58

LAUNCH DATE APR 11 1967 FLIGHT TIME 80.00 ARRIVAL DATE JUN 30 1967

DISTANCE 144.736

HELIOCENTRIC CONIC
 RL 149.91 LAL -.00 LOL 200.43 VL 16.689 GAL 33.98 AZL 88.42 MCA 38.98 SMA 88.95 ECC .79714 INC 1.5788 V1 29.723
 RP 108.44 LAP .99 LOP 239.39 VP 30.915 GAP -51.77 AZP 88.77 TAL 169.46 TAP 208.44 RCA 18.04 APO 159.85 V2 34.947
 RC 94.821 GL 1.20 GP 2.93 ZAL 60.93 ZAP 33.04 ETS 187.78 ZAE 129.48 ETE 178.30 ZAC 161.54 ETC 71.70 CLP 32.93

PLANETOCENTRIC CONIC
 C3 330.556 VHL 18.181 DLA 16.11 RAL 142.32 RAD 6571.9 VEL 21.257 PTH 3.20 VHP 29.239 DPA 27.28 RAP 92.36 ECC 6.4401
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 26 46 3325.89 -24.10 119.43 53.77 74.67 6 22 12 2725.9 -25.98 111.26
 90.00 21 43 27 4917.99 20.96 214.23 40.06 70.52 23 5 25 4318.0 18.12 206.71
 100.00 6 57 6 3034.59 -25.95 98.56 54.32 74.61 7 47 41 2434.6 -27.81 90.25
 100.00 22 55 48 4684.52 22.76 196.37 39.37 70.08 24 13 53 4084.5 19.84 188.80
 110.00 8 25 16 2758.72 -30.78 79.13 55.85 74.35 9 11 15 2158.7 -32.62 70.40
 110.00 23 44 7 4533.15 27.46 182.95 37.42 68.80 24 59 40 3933.2 24.33 175.18

MID-COURSE EXECUTION ACCURACY
 SGT 1002.0 SGR 496.0 SG3 28.6
 RRT .0996 RRF -.0922 RTF -.6897
 SGB 1118.0 R23 -.0016 R13 -.6901
 SG1 1003.6 SG2 492.7 THA 3.72

ORBIT DETERMINATION ACCURACY
 ST 373.9 SR 452.5 SS 354.0
 CRT -.6431 CRS -.6751 CST .9973
 LSA 625.3 MSA 280.3 SSA 15.3
 EL1 534.6 EL2 242.3 ALF 126.70

DIFFERENTIAL CORRECTIONS
 TOE .8835 TRA-2.5322 TC3 -.1338 BAU .5912
 ROE-1.4215 RRA -.6487 RC3 .0014 FAU .01034
 FDE -.3434 FRA .9039 FC3 -.0271 BSP 2578
 BOE 1.6737 BRA 2.6140 BC3 .1338 FSP -63

LAUNCH DATE APR 11 1967 FLIGHT TIME 82.00 ARRIVAL DATE JUL 2 1967

DISTANCE 150.209

HELIOCENTRIC CONIC
 RL 149.91 LAL -.00 LOL 200.43 VL 17.358 GAL 32.45 AZL 88.79 MCA 42.16 SMA 90.33 ECC .77316 INC 1.2084 V1 29.723
 RP 108.48 LAP .81 LOP 242.58 VP 31.267 GAP -49.65 AZP 89.10 TAL 168.50 TAP 210.66 RCA 20.49 APO 160.16 V2 34.935
 RC 92.217 GL 1.01 GP 3.00 ZAL 59.67 ZAP 31.64 ETS 188.13 ZAE 129.49 ETE 177.91 ZAC 160.75 ETC 66.94 CLP 31.51

PLANETOCENTRIC CONIC
 C3 305.138 VHL 17.468 DLA 15.54 RAL 143.49 RAD 6571.7 VEL 20.651 PTH 3.17 VHP 28.250 DPA 27.41 RAP 94.35 ECC 6.0218
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 36 52 3295.71 -24.63 117.37 54.12 75.57 6 31 48 2695.7 -26.38 109.14
 90.00 21 42 42 4929.77 21.23 214.99 40.68 70.81 23 4 52 4329.8 18.42 207.45
 100.00 7 6 45 3005.87 -26.45 96.57 54.64 75.54 7 56 50 2405.9 -28.18 88.20
 100.00 22 55 31 4694.84 23.00 197.05 40.01 70.36 24 13 46 4094.8 20.11 189.44
 110.00 8 33 58 2732.95 -31.24 77.26 56.05 75.36 9 19 31 2132.9 -32.93 68.45
 110.00 23 44 46 4540.53 27.64 183.45 38.11 69.04 25 0 27 3940.5 24.54 175.65

MID-COURSE EXECUTION ACCURACY
 SGT 1045.6 SGR 500.5 SG3 30.6
 RRT .1053 RRF -.0979 RTF -.7050
 SGB 1159.2 R23 -.0021 R13 -.7054
 SG1 1047.3 SG2 496.9 THA 3.72

ORBIT DETERMINATION ACCURACY
 ST 395.1 SR 454.2 SS 371.9
 CRT -.6444 CRS -.6804 CST .9972
 LSA 647.3 MSA 285.6 SSA 15.5
 EL1 547.3 EL2 250.7 ALF 128.87

DIFFERENTIAL CORRECTIONS
 TOE .9016 TRA-2.5609 TC3 -.1419 BAU .5789
 ROE-1.3702 RRA -.6464 RC3 .0022 FAU .01036
 FDE -.3622 FRA .9338 FC3 -.0294 BSP 2725
 BOE 1.6402 BRA 2.6412 BC3 .1419 FSP -68

LAUNCH DATE APR 11 1967 FLIGHT TIME 84.00 ARRIVAL DATE JUL 4 1967

DISTANCE 155.800

HELIOCENTRIC CONIC
 RL 149.91 LAL -.00 LOL 200.43 VL 17.992 GAL 31.03 AZL 89.12 MCA 45.34 SMA 91.73 ECC .74911 INC .8809 V1 29.723
 RP 108.51 LAP .63 LOP 245.76 VP 31.610 GAP -47.64 AZP 89.38 TAL 167.55 TAP 212.89 RCA 23.01 APO 160.44 V2 34.923
 RC 89.824 GL .81 GP 3.09 ZAL 58.46 ZAP 30.26 ETS 188.51 ZAE 129.56 ETE 177.50 ZAC 159.82 ETC 62.53 CLP 30.12

PLANETOCENTRIC CONIC
 C3 281.721 VHL 16.785 DLA 14.95 RAL 144.61 RAD 6571.6 VEL 20.076 PTH 3.14 VHP 27.290 DPA 27.53 RAP 96.36 ECC 5.6364
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 46 43 3265.08 -25.14 115.27 54.35 76.51 6 41 8 2665.1 -26.74 106.97
 90.00 21 41 48 4941.01 21.48 215.72 41.23 71.09 23 4 9 4341.0 18.70 208.15
 100.00 7 16 9 2976.65 -26.93 94.53 54.83 76.51 8 5 46 2376.7 -28.52 86.09
 100.00 22 55 3 4704.67 23.22 197.69 40.58 70.63 24 13 27 4104.7 20.37 190.06
 110.00 8 42 27 2706.60 -31.68 75.34 56.14 76.43 9 27 34 2106.6 -33.22 66.45
 110.00 23 45 14 4547.48 27.81 183.92 38.72 69.27 25 1 1 3947.5 24.74 176.09

MID-COURSE EXECUTION ACCURACY
 SGT 1090.8 SGR 504.4 SG3 32.8
 RRT .1112 RRF -.1039 RTF -.7197
 SGB 1201.8 R23 -.0026 R13 -.7201
 SG1 1092.6 SG2 500.4 THA 3.72

ORBIT DETERMINATION ACCURACY
 ST 417.1 SR 455.4 SS 390.3
 CRT -.6452 CRS -.6851 CST .9970
 LSA 670.2 MSA 290.3 SSA 15.7
 EL1 560.7 EL2 258.8 ALF 131.12

DIFFERENTIAL CORRECTIONS
 TOE .9189 TRA-2.5895 TC3 -.1502 BAU .5660
 ROE-1.3189 RRA -.6428 RC3 .0032 FAU .01040
 FDE -.3813 FRA .9643 FC3 -.0320 BSP 2878
 BOE 1.6075 BRA 2.6681 BC3 .1503 FSP -74

LAUNCH DATE APR 11 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 6 1967

HELIOCENTRIC CONIC

DISTANCE 161.501

RL 149.91 LAL -.00 LOL 200.43 VL 18.591 GAL 29.69 AZL 89.41 MCA 48.52 SMA 93.14 ECC .72511 INC .5877 V1 29.723
 RP 108.55 LAP .44 LOP 248.94 VP 31.942 GAP -45.71 AZP 89.61 TAL 166.60 TAP 215.12 RCA 25.60 APO 160.67 V2 34.911
 RC 87.444 GL .59 GP 3.18 ZAL 57.29 ZAP 28.90 ETS 188.94 ZAE 129.69 ETE 177.05 ZAC 158.77 ETC 58.50 CLP 28.74

PLANETOCENTRIC CONIC

C3 260.131 VML 16.129 DLA 14.36 RAL 145.68 RAD 6571.5 VEL 19.531 PTH 3.11 VHP 26.358 DPA 27.63 RAP 98.40 ECC 5.2811
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 56 19 3233.95 -25.61 113.11 54.47 77.49 6 50 13 2633.9 -27.08 104.75
 90.00 21 40 43 4951.70 21.71 216.42 41.70 71.36 23 3 15 4351.7 18.97 208.82
 100.00 7 25 20 2946.89 -27.39 92.44 54.91 77.53 8 14 26 2346.9 -28.83 83.93
 100.00 22 54 23 4713.99 23.43 198.31 41.07 70.89 24 12 57 4114.0 20.61 190.65
 110.00 8 50 44 2679.66 -32.09 73.34 56.11 77.54 9 35 24 2079.7 -33.47 64.38
 110.00 23 45 28 4553.98 27.97 184.36 39.25 69.49 25 1 22 3954.0 24.92 176.51

DIFFERENTIAL CORRECTIONS

TDE .9356 TRA-2.6180 TC3 -.1588 BAU .5525
 RDE-1.2679 RRA -.6379 RC3 .0043 FAU .01045
 FDE -.4008 FRA .9954 FC3 -.0348 BSP 3038
 BDE 1.5757 BRA 2.6946 BC3 .1589 FSP -81

MID-COURSE EXECUTION ACCURACY

SGT 1137.8 SGR 507.7 SG3 35.2
 RRT .1174 RRF -.1102 RTF -.7338
 SGB 1245.9 R23 -.0032 R13 -.7342
 SG1 1139.7 SG2 503.4 TMA 3.73

ORBIT DETERMINATION ACCURACY

ST 440.0 SR 455.8 SS 409.2
 CRT -.6455 CRS -.6893 CST .9969
 LSA 694.2 MSA 294.5 SSA 15.9
 EL1 574.8 EL2 266.5 ALF 133.44

LAUNCH DATE APR 11 1967

FLIGHT TIME 88.00

ARRIVAL DATE JUL 8 1967

HELIOCENTRIC CONIC

DISTANCE 167.305

RL 149.91 LAL -.00 LOL 200.43 VL 19.159 GAL 28.44 AZL 89.68 MCA 51.69 SMA 94.56 ECC .70127 INC .3222 V1 29.723
 RP 108.59 LAP .25 LOP 252.12 VP 32.263 GAP -43.87 AZP 89.80 TAL 165.66 TAP 217.36 RCA 28.25 APO 160.87 V2 34.899
 RC 85.078 GL .35 GP 3.28 ZAL 56.16 ZAP 27.56 ETS 189.43 ZAE 129.88 ETE 176.57 ZAC 157.60 ETC 54.85 CLP 27.38

PLANETOCENTRIC CONIC

C3 240.217 VML 15.499 DLA 13.76 RAL 146.70 RAD 6571.4 VEL 19.014 PTH 3.08 VHP 25.452 DPA 27.71 RAP 100.46 ECC 4.9534
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 5 41 3202.28 -26.06 110.90 54.48 78.51 6 59 3 2602.3 -27.38 102.49
 90.00 21 39 27 4961.86 21.93 217.08 42.10 71.63 23 2 9 4361.9 19.22 209.46
 100.00 7 34 17 2916.55 -27.81 90.29 54.88 78.58 8 22 53 2316.6 -29.11 81.72
 100.00 22 53 33 4722.82 23.63 198.89 41.48 71.14 24 12 16 4122.8 20.84 191.21
 110.00 8 58 48 2652.09 -32.48 71.29 55.96 78.70 9 43 0 2052.1 -33.69 62.26
 110.00 23 45 31 4560.05 28.11 184.77 39.70 69.70 25 1 31 3960.1 25.09 176.90

DIFFERENTIAL CORRECTIONS

TDE .9516 TRA-2.6458 TC3 -.1878 BAU .5384
 RDE-1.2170 RRA -.6319 RC3 .0056 FAU .01051
 FDE -.4209 FRA 1.0271 FC3 -.0379 BSP 3209
 BDE 1.5449 BRA 2.7202 BC3 .1677 FSP -87

MID-COURSE EXECUTION ACCURACY

SGT 1186.4 SGR 510.4 SG3 37.7
 RRT .1238 RRF -.1169 RTF -.7475
 SGB 1291.6 R23 -.0039 R13 -.7479
 SG1 1188.5 SG2 505.6 TMA 3.72

ORBIT DETERMINATION ACCURACY

ST 464.0 SR 455.6 SS 428.5
 CRT -.6456 CRS -.6930 CST .9966
 LSA 719.3 MSA 298.1 SSA 16.1
 EL1 589.9 EL2 273.7 ALF 135.80

LAUNCH DATE APR 11 1967

FLIGHT TIME 90.00

ARRIVAL DATE JUL 10 1967

HELIOCENTRIC CONIC

DISTANCE 173.206

RL 149.91 LAL -.00 LOL 200.43 VL 19.696 GAL 27.26 AZL 89.92 MCA 54.87 SMA 95.99 ECC .67767 INC .0776 V1 29.723
 RP 108.62 LAP .06 LOP 255.29 VP 32.573 GAP -42.11 AZP 89.95 TAL 164.74 TAP 219.60 RCA 30.94 APO 161.03 V2 34.888
 RC 82.729 GL .09 GP 3.38 ZAL 55.07 ZAP 26.24 ETS 189.97 ZAE 130.12 ETE 176.05 ZAC 156.34 ETC 51.54 CLP 26.04

PLANETOCENTRIC CONIC

C3 221.840 VML 14.894 DLA 13.16 RAL 147.66 RAD 6571.3 VEL 18.525 PTH 3.05 VHP 24.572 DPA 27.77 RAP 102.53 ECC 4.6509
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 14 50 3170.03 -26.48 108.63 54.37 79.58 7 7 40 2570.0 -27.65 100.16
 90.00 21 38 1 4971.52 22.14 217.72 42.41 71.88 23 0 52 4371.5 19.46 210.07
 100.00 7 43 2 2885.60 -28.21 88.07 54.73 79.68 8 31 7 2285.6 -29.35 79.45
 100.00 22 52 30 4731.17 23.81 199.44 41.80 71.37 24 11 22 4131.2 21.05 191.74
 110.00 9 6 41 2623.85 -32.84 69.16 55.69 79.91 9 50 25 2023.9 -33.88 60.08
 110.00 23 45 21 4565.69 28.24 185.16 40.07 69.89 25 1 26 3965.7 25.24 177.27

DIFFERENTIAL CORRECTIONS

TDE .9665 TRA-2.6734 TC3 -.1765 BAU .5240
 RDE-1.1664 RRA -.6249 RC3 .0071 FAU .01059
 FDE -.4414 FRA 1.0597 FC3 -.0413 BSP 3379
 BDE 1.5148 BRA 2.7455 BC3 .1767 FSP -95

MID-COURSE EXECUTION ACCURACY

SGT 1237.0 SGR 512.6 SG3 40.5
 RRT .1306 RRF -.1240 RTF -.7605
 SGB 1339.0 R23 -.0046 R13 -.7609
 SG1 1239.2 SG2 507.3 TMA 3.72

ORBIT DETERMINATION ACCURACY

ST 488.7 SR 454.8 SS 448.4
 CRT -.6450 CRS -.6962 CST .9964
 LSA 745.5 MSA 301.3 SSA 16.2
 EL1 605.9 EL2 280.3 ALF 138.19

LAUNCH DATE APR 11 1967

FLIGHT TIME 92.00

ARRIVAL DATE JUL 12 1967

HELIOCENTRIC CONIC

DISTANCE 179.197

RL 149.91 LAL -.00 LOL 200.43 VL 20.203 GAL 26.15 AZL 90.15 MCA 58.04 SMA 97.41 ECC .65440 INC .1450 V1 29.723
 RP 108.65 LAP -.12 LOP 258.47 VP 32.871 GAP -40.43 AZP 90.08 TAL 163.82 TAP 221.86 RCA 33.67 APO 161.16 V2 34.877
 RC 80.398 GL -.18 GP 3.50 ZAL 54.02 ZAP 24.94 ETS 190.59 ZAE 130.43 ETE 175.49 ZAC 155.00 ETC 48.57 CLP 24.71

PLANETOCENTRIC CONIC

C3 204.879 VML 14.314 DLA 12.54 RAL 148.58 RAD 6571.1 VEL 18.061 PTH 3.01 VHP 23.717 DPA 27.81 RAP 104.63 ECC 4.3718
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 23 47 3137.15 -26.86 106.30 54.14 80.68 7 16 4 2537.1 -27.87 97.78
 90.00 21 36 23 4980.70 22.33 218.32 42.64 72.12 22 59 23 4380.7 19.68 210.65
 100.00 7 51 34 2854.00 -28.58 85.79 54.46 80.83 8 39 8 2254.0 -29.55 77.12
 100.00 22 51 16 4739.08 23.98 199.97 42.05 71.60 24 10 15 4139.1 21.25 192.24
 110.00 9 14 22 2594.93 -33.16 66.96 55.31 81.17 9 57 37 1994.9 -34.02 57.83
 110.00 23 44 58 4570.92 28.37 185.51 40.35 70.07 25 1 9 3970.9 25.39 177.60

DIFFERENTIAL CORRECTIONS

TDE .9808 TRA-2.7001 TC3 -.1857 BAU .5091
 RDE-1.1161 RRA -.6169 RC3 .0088 FAU .01069
 FDE -.4625 FRA 1.0931 FC3 -.0452 BSP 3560
 BDE 1.4858 BRA 2.7697 BC3 .1859 FSP -103

MID-COURSE EXECUTION ACCURACY

SGT 1289.4 SGR 514.0 SG3 43.4
 RRT .1378 RRF -.1315 RTF -.7730
 SGB 1388.1 R23 -.0054 R13 -.7734
 SG1 1291.7 SG2 508.2 TMA 3.72

ORBIT DETERMINATION ACCURACY

ST 514.5 SR 453.2 SS 468.9
 CRT -.6442 CRS -.6991 CST .9961
 LSA 772.9 MSA 303.9 SSA 16.4
 EL1 623.0 EL2 286.2 ALF 140.59

LAUNCH DATE APR 11 1967

FLIGHT TIME 94.00

ARRIVAL DATE JUL 14 1967

HELIOCENTRIC CONIC

DISTANCE 185.273

RL 149.91 LAL -.00 LOL 200.43 VL 20.883 GAL 25.09 AZL 90.35 HCA 61.21 SMA 98.83 ECC .63153 INC .3545 V1 29.723
 RP 108.69 LAP -.31 LOP 261.64 VP 33.137 GAP -38.81 AZP 90.17 TAL 162.91 TAP 224.13 RCA 36.42 APO 161.25 V2 34.867
 RC 78.089 GL -.48 GP 3.62 ZAL 53.01 ZAP 23.66 ETS 191.30 ZAE 130.81 ETE 174.88 ZAC 153.58 ETC 45.90 CLP 23.40

PLANETOCENTRIC CONIC

C3 189.220 VML 13.756 DLA 11.92 RAL 149.44 RAD 6571.0 VEL 17.622 PTH 2.98 VMP 22.885 DPA 27.83 RAP 106.73 ECC 4.1141
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 32 31 3103.60 -27.21 103.91 53.80 81.84 7 24 15 2503.6 -28.06 95.35
 90.00 21 34 32 4989.43 22.51 218.90 42.79 72.36 22 57 42 4389.4 19.89 211.21
 100.00 7 59 56 2821.70 -28.90 83.45 54.07 82.02 8 46 57 2221.7 -29.71 74.74
 100.00 22 49 49 4746.56 24.14 200.47 42.22 71.82 24 8 56 4146.6 21.43 192.72
 110.00 9 21 53 2565.28 -33.45 64.70 54.80 82.49 10 4 38 1965.3 -34.12 55.52
 110.00 23 44 21 4575.75 28.48 185.85 40.55 70.24 25 0 37 3975.7 25.52 177.92

DIFFERENTIAL CORRECTIONS

TDE .9945 TRA-2.7255 TC3 -.1948 BAU .4935
 RDE-1.0662 RRA -.6080 RC3 .0107 FAU .01080
 FDE -.4842 FRA 1.1273 FC3 -.0494 BSP 3754
 BOE 1.4580 BRA 2.7925 BC3 .1951 FSP -111

MID-COURSE EXECUTION ACCURACY

SGT 1345.5 SGR 514.9 SG3 46.5
 RRT .1453 RRF -.1395 RTF -.7851
 SGB 1438.8 R23 -.0065 R13 -.7855
 SG1 1345.9 SG2 508.5 THA 3.72

ORBIT DETERMINATION ACCURACY

ST 541.3 SR 450.8 SS 490.0
 CRT -.6431 CRS -.7016 CST .9958
 LSA 801.6 MSA 305.8 SSA 16.5
 EL1 641.4 EL2 291.4 ALF 142.98

LAUNCH DATE APR 11 1967

FLIGHT TIME 96.00

ARRIVAL DATE JUL 16 1967

HELIOCENTRIC CONIC

DISTANCE 191.427

RL 149.91 LAL -.00 LOL 200.43 VL 21.136 GAL 24.08 AZL 90.55 HCA 64.38 SMA 100.25 ECC .60911 INC .5517 V1 29.723
 RP 108.72 LAP -.50 LOP 264.81 VP 33.431 GAP -37.26 AZP 90.24 TAL 162.03 TAP 226.41 RCA 39.19 APO 161.31 V2 34.857
 RC 75.805 GL -.81 GP 3.76 ZAL 52.05 ZAP 22.40 ETS 192.11 ZAE 131.25 ETE 174.22 ZAC 152.09 ETC 43.49 CLP 22.10

PLANETOCENTRIC CONIC

C3 174.765 VML 13.220 DLA 11.28 RAL 150.26 RAD 6570.9 VEL 17.207 PTH 2.94 VMP 22.076 DPA 27.84 RAP 108.86 ECC 3.8762
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 41 5 3069.33 -27.52 101.45 53.34 83.03 7 32 14 2469.3 -28.19 92.85
 90.00 21 32 29 4997.76 22.68 219.45 42.86 72.58 22 55 47 4397.8 20.09 211.74
 100.00 8 8 6 2788.67 -29.19 81.03 53.57 83.26 8 54 35 2188.7 -29.82 72.29
 100.00 22 48 9 4753.65 24.29 200.94 42.30 72.02 24 7 22 4153.7 21.61 193.17
 110.00 9 29 13 2534.87 -33.69 62.36 54.17 83.85 10 11 27 1934.9 -34.18 53.15
 110.00 23 43 32 4580.22 28.58 186.15 40.67 70.40 24 59 52 3980.2 25.64 178.21

DIFFERENTIAL CORRECTIONS

TDE 1.0077 TRA-2.7494 TC3 -.2039 BAU .4775
 RDE-1.0167 RRA -.5983 RC3 .0130 FAU .01094
 FDE -.5067 FRA 1.1625 FC3 -.0542 BSP 3963
 BOE 1.4315 BRA 2.8138 BC3 .2044 FSP -121

MID-COURSE EXECUTION ACCURACY

SGT 1399.3 SGR 515.0 SG3 49.8
 RRT .1532 RRF -.1481 RTF -.7966
 SGB 1491.1 R23 -.0076 R13 -.7970
 SG1 1401.8 SG2 508.0 THA 3.72

ORBIT DETERMINATION ACCURACY

ST 569.1 SR 447.7 SS 511.8
 CRT -.6418 CRS -.7037 CST .9955
 LSA 831.7 MSA 307.1 SSA 16.7
 EL1 661.0 EL2 295.6 ALF 145.34

LAUNCH DATE APR 11 1967

FLIGHT TIME 98.00

ARRIVAL DATE JUL 18 1967

HELIOCENTRIC CONIC

DISTANCE 197.654

RL 149.91 LAL -.00 LOL 200.43 VL 21.564 GAL 23.12 AZL 90.74 HCA 67.55 SMA 101.65 ECC .58719 INC .7385 V1 29.723
 RP 108.75 LAP -.68 LOP 267.98 VP 33.694 GAP -35.76 AZP 90.28 TAL 161.15 TAP 228.70 RCA 41.96 APO 161.35 V2 34.848
 RC 73.549 GL -1.15 GP 3.91 ZAL 51.12 ZAP 21.16 ETS 193.05 ZAE 131.77 ETE 173.50 ZAC 150.54 ETC 41.33 CLP 20.81

PLANETOCENTRIC CONIC

C3 161.421 VML 12.705 DLA 10.63 RAL 151.02 RAD 6570.8 VEL 16.815 PTH 2.91 VMP 21.290 DPA 27.82 RAP 110.99 ECC 3.6566
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 49 28 3034.31 -27.78 98.92 52.77 84.27 7 40 2 2434.3 -28.28 90.29
 90.00 21 30 12 5005.73 22.85 219.98 42.85 72.80 22 53 38 4405.7 20.28 212.25
 100.00 8 16 6 2754.86 -29.44 78.55 52.95 84.55 9 2 1 2154.9 -29.88 69.77
 100.00 22 46 14 4760.41 24.43 201.39 42.30 72.22 24 5 35 4160.4 21.77 193.61
 110.00 9 36 23 2503.67 -33.89 59.94 53.42 85.27 10 18 6 1903.7 -34.18 50.71
 110.00 23 42 27 4584.36 28.67 186.44 40.71 70.54 24 58 52 3984.4 25.75 178.48

DIFFERENTIAL CORRECTIONS

TDE 1.0201 TRA-2.7720 TC3 -.2131 BAU .4610
 RDE -.9677 RRA -.5880 RC3 .0155 FAU .01109
 FDE -.5300 FRA 1.1987 FC3 -.0595 BSP 4179
 BOE 1.4061 BRA 2.8337 BC3 .2136 FSP -131

MID-COURSE EXECUTION ACCURACY

SGT 1456.9 SGR 514.6 SG3 53.4
 RRT .1616 RRF -.1573 RTF -.8076
 SGB 1545.1 R23 -.0090 R13 -.8080
 SG1 1459.6 SG2 506.9 THA 3.71

ORBIT DETERMINATION ACCURACY

ST 597.9 SR 443.8 SS 534.3
 CRT -.6402 CRS -.7054 CST .9952
 LSA 863.1 MSA 307.8 SSA 16.8
 EL1 682.0 EL2 298.9 ALF 147.64

LAUNCH DATE APR 11 1967

FLIGHT TIME 100.00

ARRIVAL DATE JUL 20 1967

HELIOCENTRIC CONIC

DISTANCE 203.948

RL 149.91 LAL -.00 LOL 200.43 VL 21.969 GAL 22.21 AZL 90.92 HCA 70.72 SMA 103.04 ECC .56582 INC .9168 V1 29.723
 RP 108.77 LAP -.87 LOP 271.14 VP 33.946 GAP -34.33 AZP 90.30 TAL 160.30 TAP 231.02 RCA 44.74 APO 161.35 V2 34.839
 RC 71.325 GL -1.53 GP 4.07 ZAL 50.24 ZAP 19.93 ETS 194.14 ZAE 132.36 ETE 172.71 ZAC 148.95 ETC 39.39 CLP 19.53

PLANETOCENTRIC CONIC

C3 149.108 VML 12.211 DLA 9.97 RAL 151.74 RAD 6570.6 VEL 16.445 PTH 2.87 VMP 20.526 DPA 27.79 RAP 113.13 ECC 3.4539
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 57 41 2998.48 -28.00 96.32 52.08 85.56 7 47 39 2398.5 -28.32 87.67
 90.00 21 27 40 5013.42 23.00 220.49 42.76 73.01 22 51 14 4413.4 20.46 212.74
 100.00 8 23 57 2720.24 -29.63 76.00 52.22 85.88 9 9 17 2120.2 -29.89 67.20
 100.00 22 44 5 4766.88 24.57 201.83 42.23 72.41 24 3 32 4166.9 21.93 194.02
 110.00 9 43 24 2471.65 -34.05 57.46 52.56 86.73 10 24 35 1871.6 -34.12 48.21
 110.00 23 41 8 4588.24 28.76 186.71 40.66 70.68 24 57 37 3988.2 25.86 178.73

DIFFERENTIAL CORRECTIONS

TDE 1.0276 TRA-2.7973 TC3 -.2232 BAU .4465
 RDE -.9193 RRA -.5773 RC3 .0183 FAU .01124
 FDE -.5536 FRA 1.2368 FC3 -.0653 BSP 4302
 BOE 1.3788 BRA 2.8562 BC3 .2240 FSP -141

MID-COURSE EXECUTION ACCURACY

SGT 1518.4 SGR 513.5 SG3 57.3
 RRT .1720 RRF -.1678 RTF -.8176
 SGB 1602.9 R23 -.0098 R13 -.8180
 SG1 1521.3 SG2 504.9 THA 3.74

ORBIT DETERMINATION ACCURACY

ST 626.6 SR 439.2 SS 557.3
 CRT -.6360 CRS -.7062 CST .9947
 LSA 894.8 MSA 308.4 SSA 16.9
 EL1 703.0 EL2 302.0 ALF 149.85

LAUNCH DATE APR 11 1967

FLIGHT TIME 102.00

ARRIVAL DATE JUL 22 1967

HELIOCENTRIC CONIC

DISTANCE 210.304

RL 149.91 LAL -.00 LOL 200.43 VL 22.351 GAL 21.33 AZL 91.09 MCA 73.89 SMA 104.42 ECC .54503 INC 1.0883 V1 29.723
 RP 108.80 LAP -1.05 LOP 274.31 VP 34.186 GAP -32.95 AZP 90.30 TAL 159.46 TAP 233.35 RCA 47.51 APO 161.33 V2 34.831
 RC 69.138 GL -1.93 GP 4.25 ZAL 49.40 ZAP 18.73 ETS 195.41 ZAE 133.03 ETE 171.85 ZAC 147.31 ETC 37.64 CLP 18.26

PLANETOCENTRIC CONIC

C3 137.747 VML 11.737 DLA 9.30 RAL 152.40 RAD 6570.5 VEL 16.096 PTH 2.83 VMP 19.783 DPA 27.75 RAP 115.28 ECC 3.2670
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 5 45 2961.79 -28.16 93.65 51.28 86.89 7 55 7 2361.8 -28.29 84.99
 90.00 21 24 53 5020.88 23.15 220.98 42.59 73.22 22 48 34 4420.9 20.63 213.22
 100.00 8 31 39 2684.76 -29.78 73.37 51.38 87.25 9 16 24 2084.8 -29.84 64.56
 100.00 22 41 41 4773.15 24.70 202.25 42.07 72.60 24 1 14 4173.1 22.08 194.43
 110.00 9 50 16 2438.77 -34.14 54.89 51.58 88.25 10 30 54 1838.8 -34.01 45.65
 110.00 23 39 34 4591.90 28.84 186.96 40.53 70.81 24 56 6 3991.9 25.95 178.97

DIFFERENTIAL CORRECTIONS

TDE 1.0340 TRA-2.8212 TC3 -.2335 BAU .4318
 RDE -.8715 MRA -.5661 RC3 .0215 FAU .01141
 FDE -.5780 FRA 1.2762 FC3 -.0717 BSP 4425
 BDE 1.3523 BRA 2.8774 BC3 .2345 FSP -151

MID-COURSE EXECUTION ACCURACY

SGT 1582.0 SGR 511.9 SG3 61.5
 RRT .1832 RRF -.1791 RTF -.8271
 SGB 1662.8 R23 -.0108 R13 -.8275
 SGI 1585.1 SG2 502.2 TMA 3.77

ORBIT DETERMINATION ACCURACY

ST 656.0 SR 433.7 SS 581.0
 CRT -.6313 CRS -.7065 CST .9941
 LSA 927.6 MSA 308.5 SSA 17.1
 EL1 725.2 EL2 304.2 ALF 152.00

LAUNCH DATE APR 11 1967

FLIGHT TIME 104.00

ARRIVAL DATE JUL 24 1967

HELIOCENTRIC CONIC

DISTANCE 216.717

RL 149.91 LAL -.00 LOL 200.43 VL 22.711 GAL 20.50 AZL 91.25 MCA 77.05 SMA 105.77 ECC .52484 INC 1.2543 V1 29.723
 RP 108.82 LAP -1.22 LOP 277.47 VP 34.415 GAP -31.62 AZP 90.28 TAL 158.65 TAP 235.70 RCA 50.26 APO 161.28 V2 34.824
 RC 66.992 GL -2.37 GP 4.44 ZAL 48.61 ZAP 17.55 ETS 196.90 ZAE 133.77 ETE 170.91 ZAC 145.63 ETC 36.06 CLP 16.99

PLANETOCENTRIC CONIC

C3 127.270 VML 11.281 DLA 8.60 RAL 153.01 RAD 6570.4 VEL 15.767 PTH 2.80 VMP 19.061 DPA 27.69 RAP 117.44 ECC 3.0945
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 13 42 2924.22 -28.27 90.91 50.37 88.26 8 2 26 2324.2 -28.21 82.24
 90.00 21 21 50 5028.21 23.29 221.47 42.34 73.42 22 45 38 4428.2 20.80 213.69
 100.00 8 39 13 2648.38 -29.87 70.67 50.42 88.67 9 23 22 2048.4 -29.73 61.87
 100.00 22 38 59 4779.28 24.82 202.66 41.83 72.78 23 58 39 4179.3 22.23 194.82
 110.00 9 56 59 2405.01 -34.18 52.26 50.49 89.80 10 37 4 1805.0 -33.83 45.03
 110.00 23 37 43 4595.41 28.92 187.20 40.33 70.93 24 54 18 3995.4 26.05 179.20

DIFFERENTIAL CORRECTIONS

TDE 1.0400 TRA-2.8431 TC3 -.2436 BAU .4167
 RDE -.8242 MRA -.5547 RC3 .0252 FAU .01160
 FDE -.8036 FRA 1.3171 FC3 -.0789 BSP 4565
 BDE 1.3270 BRA 2.8967 BC3 .2449 FSP -163

MID-COURSE EXECUTION ACCURACY

SGT 1647.4 SGR 509.5 SG3 66.0
 RRT .1951 RRF -.1915 RTF -.8362
 SGB 1724.4 R23 -.0121 R13 -.8366
 SGI 1650.7 SG2 498.7 TMA 3.80

ORBIT DETERMINATION ACCURACY

ST 686.4 SR 427.3 SS 605.6
 CRT -.6263 CRS -.7064 CST .9935
 LSA 961.9 MSA 308.0 SSA 17.2
 EL1 748.6 EL2 305.4 ALF 154.08

LAUNCH DATE APR 11 1967

FLIGHT TIME 106.00

ARRIVAL DATE JUL 26 1967

HELIOCENTRIC CONIC

DISTANCE 223.187

RL 149.91 LAL -.00 LOL 200.43 VL 23.051 GAL 19.70 AZL 91.42 MCA 80.21 SMA 107.10 ECC .50529 INC 1.4160 V1 29.723
 RP 108.84 LAP -1.40 LOP 280.64 VP 34.633 GAP -30.34 AZP 90.24 TAL 157.85 TAP 238.07 RCA 52.98 APO 161.21 V2 34.817
 RC 64.892 GL -2.83 GP 4.65 ZAL 47.85 ZAP 16.39 ETS 198.67 ZAE 134.60 ETE 169.87 ZAC 143.91 ETC 34.63 CLP 15.74

PLANETOCENTRIC CONIC

C3 117.631 VML 10.846 DLA 7.89 RAL 153.57 RAD 6570.2 VEL 15.459 PTH 2.76 VMP 18.360 DPA 27.62 RAP 119.60 ECC 2.9359
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 21 32 2885.71 -28.32 88.09 49.36 89.67 8 9 38 2285.7 -28.06 79.43
 90.00 21 18 28 5035.56 23.43 221.97 42.02 73.63 22 42 24 4435.6 20.97 214.16
 100.00 8 46 41 2611.09 -29.89 67.90 49.36 90.13 9 30 12 2011.1 -29.55 59.11
 100.00 22 36 1 4785.42 24.94 203.08 41.53 72.97 23 55 46 4185.4 22.37 195.22
 110.00 10 3 37 2370.35 -34.16 49.55 49.30 91.41 10 43 7 1770.4 -33.59 40.35
 110.00 23 35 34 4598.92 29.00 187.45 40.05 71.06 24 52 13 3998.9 26.14 179.43

DIFFERENTIAL CORRECTIONS

TDE .9815 TRA-2.9275 TC3 -.2753 BAU .4354
 RDE -.7791 MRA -.5445 RC3 .0287 FAU .01132
 FDE -.6199 FRA 1.3702 FC3 -.0833 BSP 3177
 BDE 1.2532 BRA 2.9777 BC3 .2768 FSP -154

MID-COURSE EXECUTION ACCURACY

SGT 1750.2 SGR 507.6 SG3 70.9
 RRT .2282 RRF -.2128 RTF -.8372
 SGB 1822.3 R23 -.0054 R13 -.8374
 SGI 1754.4 SG2 493.0 TMA 4.11

ORBIT DETERMINATION ACCURACY

ST 699.0 SR 420.7 SS 625.2
 CRT -.5871 CRS -.6977 CST .9888
 LSA 977.5 MSA 317.1 SSA 17.9
 EL1 751.9 EL2 316.6 ALF 156.03

LAUNCH DATE APR 11 1967

FLIGHT TIME 108.00

ARRIVAL DATE JUL 28 1967

HELIOCENTRIC CONIC

DISTANCE 229.686

RL 149.91 LAL -.00 LOL 200.43 VL 23.372 GAL 18.93 AZL 91.57 MCA 83.38 SMA 108.40 ECC .48631 INC 1.5747 V1 29.723
 RP 108.86 LAP -1.56 LOP 283.80 VP 34.841 GAP -29.10 AZP 90.18 TAL 157.08 TAP 240.46 RCA 55.68 APO 161.11 V2 34.810
 RC 62.843 GL -3.34 GP 4.88 ZAL 47.15 ZAP 15.26 ETS 200.78 ZAE 135.51 ETE 168.72 ZAC 142.17 ETC 33.34 CLP 14.48

PLANETOCENTRIC CONIC

C3 108.687 VML 10.425 DLA 7.16 RAL 154.07 RAD 6570.1 VEL 15.167 PTH 2.72 VMP 17.675 DPA 27.55 RAP 121.76 ECC 2.7887
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 29 13 2846.17 -28.30 85.20 48.23 91.12 8 16 40 2246.2 -27.84 76.56
 90.00 21 14 47 5042.80 23.57 222.45 41.61 73.84 22 38 50 4442.8 21.13 214.63
 100.00 8 53 59 2572.76 -29.85 65.05 48.19 91.63 9 36 52 1972.8 -29.31 56.28
 100.00 22 32 42 4791.44 25.06 203.48 41.13 73.15 23 52 33 4191.4 22.52 195.61
 110.00 10 10 4 2334.69 -34.06 46.77 47.98 93.05 10 48 59 1734.7 -33.27 37.62
 110.00 23 33 7 4602.29 29.07 187.68 39.68 71.18 24 49 49 4002.3 26.23 179.65

DIFFERENTIAL CORRECTIONS

TDE 1.1345 TRA-2.7958 TC3 -.2321 BAU .3409
 RDE -.7295 MRA -.5294 RC3 .0344 FAU .01272
 FDE -.6734 FRA 1.3893 FC3 -.1013 BSP 6899
 BDE 1.3488 BRA 2.8455 BC3 .2346 FSP -220

MID-COURSE EXECUTION ACCURACY

SGT 1738.1 SGR 501.9 SG3 76.0
 RRT .1942 RRF -.2095 RTF -.8635
 SGB 1809.1 R23 -.0277 R13 -.8641
 SGI 1741.1 SG2 491.5 TMA 3.49

ORBIT DETERMINATION ACCURACY

ST 777.7 SR 410.5 SS 666.2
 CRT -.6552 CRS -.7151 CST .9960
 LSA 1063.7 MSA 292.0 SSA 16.7
 EL1 830.0 EL2 290.6 ALF 158.10

LAUNCH DATE APR 11 1967

FLIGHT TIME 110.00

ARRIVAL DATE JUL 30 1967

HELIOCENTRIC CONIC

DISTANCE 236.243

RL 149.91 LAL -.00 LOL 200.43 VL 23.674 GAL 18.20 AZL 91.73 HCA 86.54 SMA 109.67 ECC .46805 INC 1.7312 V1 29.723
 RP 108.88 LAP -1.73 LOP 286.96 VP 35.039 GAP -27.91 AZP 90.10 TAL 156.34 TAP 242.87 RCA 58.34 APO 161.00 V2 34.805
 RC 60.850 GL -3.89 GP 5.13 ZAL 46.49 ZAP 14.17 ETS 203.31 ZAE 136.50 ETE 167.44 ZAC 140.39 ETC 32.17 CLP 13.23

PLANETOCENTRIC CONIC

C3 100.509 VML 10.025 DLA 6.40 RAL 154.53 RAD 6569.9 VEL 14.895 PTH 2.69 VMP 17.013 OPA 27.46 RAP 123.92 ECC 2.6541
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 36 52 2805.65 -28.21 82.24 47.02 92.60 8 23 38 2205.6 -27.55 73.63
 90.00 21 10 45 5050.41 23.71 222.96 41.15 74.05 22 34 56 4450.4 21.30 215.12
 100.00 9 1 15 2533.47 -29.74 62.13 46.93 93.16 9 43 29 1933.5 -28.99 53.41
 100.00 22 29 3 4797.82 25.19 203.92 40.68 73.35 23 49 1 4197.8 22.67 196.03
 110.00 10 16 28 2298.10 -33.89 43.92 46.59 94.73 10 54 46 1698.1 -32.87 34.84
 110.00 23 30 20 4605.96 29.15 187.94 39.26 71.31 24 47 6 4006.0 26.33 179.90

DIFFERENTIAL CORRECTIONS

TDE 1.0955 TRA-2.8552 TC3 -.2562 BAW .3483
 RDE -.6851 RRA -.5189 RC3 .0392 FAU .01265
 FDE -.6960 FRA 1.4427 FC3 -.1089 BSP 6017
 BDE 1.2921 BRA 2.9019 BC3 .2592 FSP -220

MID-COURSE EXECUTION ACCURACY

SGT 1830.8 SGR 498.5 SG3 81.7
 RRT .2240 RRF -.2312 RTF -.8659
 SGB 1897.5 R23 -.0232 R13 -.8664
 SG1 1834.5 SG2 484.9 TMA 3.75

ORBIT DETERMINATION ACCURACY

ST 796.8 SR 401.7 SS 689.8
 CRT -.6283 CRS -.7080 CST .9937
 LSA 1088.2 MSA 295.9 SSA 17.2
 EL1 841.9 EL2 295.7 ALF 159.83

LAUNCH DATE APR 11 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 1 1967

HELIOCENTRIC CONIC

DISTANCE 242.836

RL 149.91 LAL -.00 LOL 200.43 VL 23.958 GAL 17.50 AZL 91.89 HCA 89.70 SMA 110.91 ECC .45044 INC 1.8867 V1 29.723
 RP 108.90 LAP -1.89 LOP 290.13 VP 35.227 GAP -26.75 AZP 90.01 TAL 155.62 TAP 243.31 RCA 60.95 APO 160.87 V2 34.800
 RC 58.919 GL -4.47 GP 5.41 ZAL 45.88 ZAP 13.13 ETS 206.36 ZAE 137.58 ETE 166.01 ZAC 138.59 ETC 31.12 CLP 11.98

PLANETOCENTRIC CONIC

C3 92.974 VML 9.642 DLA 5.62 RAL 154.93 RAD 6569.8 VEL 14.640 PTH 2.65 VMP 16.370 OPA 27.37 RAP 126.09 ECC 2.5301
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 44 27 2764.04 -28.04 79.20 45.71 94.12 8 30 31 2164.0 -27.17 70.64
 90.00 21 6 22 5058.33 23.86 223.50 40.61 74.28 22 30 40 4458.3 21.48 215.64
 100.00 9 8 27 2493.11 -29.55 59.15 45.57 94.72 9 50 0 1893.1 -28.58 50.48
 100.00 22 25 3 4804.49 25.32 204.37 40.15 73.55 23 45 7 4204.5 22.82 196.46
 110.00 10 22 48 2280.50 -33.65 41.02 45.11 96.43 11 0 27 1660.5 -32.39 32.01
 110.00 23 27 13 4609.87 29.24 188.21 38.76 71.45 24 44 2 4009.9 26.43 180.15

DIFFERENTIAL CORRECTIONS

TDE 1.0972 TRA-2.8710 TC3 -.2647 BAW .3337
 RDE -.6403 RRA -.5076 RC3 .0448 FAU .01293
 FDE -.7276 FRA 1.4911 FC3 -.1204 BSP .6137
 BDE 1.2703 BRA 2.9155 BC3 .2685 FSP -236

MID-COURSE EXECUTION ACCURACY

SGT 1903.7 SGR 494.1 SG3 87.8
 RRT .2417 RRF -.2497 RTF -.8730
 SGB 1966.7 R23 -.0252 R13 -.8736
 SG1 1907.7 SG2 478.4 TMA 3.83

ORBIT DETERMINATION ACCURACY

ST 830.5 SR 391.2 SS 718.8
 CRT -.6197 CRS -.7051 CST .9929
 LSA 1128.4 MSA 293.1 SSA 17.4
 EL1 870.0 EL2 293.1 ALF 161.56

LAUNCH DATE APR 11 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 3 1967

HELIOCENTRIC CONIC

DISTANCE 249.461

RL 149.91 LAL -.00 LOL 200.43 VL 24.226 GAL 16.83 AZL 92.04 HCA 92.86 SMA 112.12 ECC .43348 INC 2.0420 V1 29.723
 RP 108.91 LAP -2.04 LOP 293.29 VP 35.405 GAP -25.64 AZP 89.90 TAL 154.92 TAP 247.78 RCA 63.52 APO 160.73 V2 34.795
 RC 57.057 GL -5.11 GP 5.72 ZAL 45.33 ZAP 12.14 ETS 210.05 ZAE 138.74 ETE 164.41 ZAC 136.77 ETC 30.16 CLP 10.72

PLANETOCENTRIC CONIC

C3 86.048 VML 9.276 DLA 4.80 RAL 155.27 RAD 6569.7 VEL 14.401 PTH 2.62 VMP 15.745 OPA 27.29 RAP 128.26 ECC 2.4161
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 51 58 2721.29 -27.79 76.10 44.31 95.65 8 37 20 2121.3 -26.72 67.60
 90.00 21 1 33 5066.75 24.01 224.07 40.01 74.53 22 26 0 4466.7 21.66 216.19
 100.00 9 15 34 2451.64 -29.28 56.09 44.14 96.30 9 56 26 1851.6 -28.10 47.49
 100.00 22 20 38 4811.63 25.45 204.86 39.56 73.77 23 40 50 4211.6 22.98 196.93
 110.00 10 29 0 2221.85 -33.31 38.05 43.54 98.16 11 6 2 1621.9 -31.83 29.14
 110.00 23 23 42 4614.18 29.33 188.51 38.20 71.61 24 40 37 4014.2 26.54 180.44

DIFFERENTIAL CORRECTIONS

TDE 1.1078 TRA-2.8752 TC3 -.2682 BAW .3142
 RDE -.5959 RRA -.4966 RC3 .0512 FAU .01333
 FDE -.7631 FRA 1.5402 FC3 -.1341 BSP 6484
 BDE 1.2579 BRA 2.9178 BC3 .2731 FSP -257

MID-COURSE EXECUTION ACCURACY

SGT 1972.8 SGR 489.1 SG3 94.5
 RRT .2586 RRF -.2693 RTF -.8809
 SGB 2032.5 R23 -.0287 R13 -.8815
 SG1 1977.1 SG2 471.5 TMA 3.89

ORBIT DETERMINATION ACCURACY

ST 868.5 SR 379.5 SS 750.3
 CRT -.6145 CRS -.7023 CST .9927
 LSA 1173.8 MSA 288.2 SSA 17.4
 EL1 903.0 EL2 287.9 ALF 163.21

LAUNCH DATE APR 11 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 5 1967

HELIOCENTRIC CONIC

DISTANCE 256.116

RL 149.91 LAL -.00 LOL 200.43 VL 24.479 GAL 16.19 AZL 92.20 HCA 96.02 SMA 113.30 ECC .41719 INC 2.1981 V1 29.723
 RP 108.92 LAP -2.19 LOP 296.45 VP 35.575 GAP -24.56 AZP 89.77 TAL 154.25 TAP 250.27 RCA 66.03 APO 160.57 V2 34.792
 RC 55.270 GL -5.80 GP 6.05 ZAL 44.82 ZAP 11.22 ETS 214.54 ZAE 139.98 ETE 162.60 ZAC 134.94 ETC 29.28 CLP 9.47

PLANETOCENTRIC CONIC

C3 79.692 VML 8.927 DLA 3.95 RAL 155.55 RAD 6569.6 VEL 14.179 PTH 2.58 VMP 15.138 OPA 27.21 RAP 130.42 ECC 2.3115
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 59 29 2677.38 -27.46 72.93 42.84 97.21 8 44 6 2077.4 -26.17 64.50
 90.00 20 56 19 5075.87 24.18 224.68 39.36 74.80 22 20 55 4475.9 21.86 216.78
 100.00 9 22 41 2409.04 -28.92 52.98 42.62 97.91 10 2 50 1809.0 -27.53 44.45
 100.00 22 15 48 4819.44 25.60 205.39 38.92 74.02 23 36 8 4219.4 23.16 197.44
 110.00 10 35 10 2182.15 -32.89 35.03 41.90 99.90 11 11 32 1582.2 -31.17 26.23
 110.00 23 19 48 4619.09 29.44 188.85 37.59 71.78 24 36 47 4019.1 26.67 180.76

DIFFERENTIAL CORRECTIONS

TDE 1.1073 TRA-2.8882 TC3 -.2759 BAW .3004
 RDE -.5522 RRA -.4865 RC3 .0581 FAU .01365
 FDE -.7988 FRA 1.5938 FC3 -.1483 BSP 6577
 BDE 1.2373 BRA 2.9289 BC3 .2820 FSP -276

MID-COURSE EXECUTION ACCURACY

SGT 2049.5 SGR 484.1 SG3 101.7
 RRT .2808 RRF -.2927 RTF -.8871
 SGB 2105.9 R23 -.0315 R13 -.8877
 SG1 2054.2 SG2 463.5 TMA 4.00

ORBIT DETERMINATION ACCURACY

ST 903.4 SR 366.6 SS 782.1
 CRT -.6026 CRS -.6969 CST .9918
 LSA 1216.9 MSA 284.5 SSA 17.5
 EL1 932.8 EL2 283.4 ALF 164.82

LAUNCH DATE APR 11 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 7 1967

HELIOCENTRIC CONIC

DISTANCE 262.797

RL 149.91 LAL -.00 LOL 200.43 VL 24.716 GAL 15.58 AZL 92.36 MCA 99.18 SMA 114.44 ECC .40156 INC 2.3561 V1 29.723
 RP 108.93 LAP -2.33 LOP 299.61 VP 35.735 GAP -23.52 A7P 89.62 TAL 153.61 TAP 252.79 RCA 68.49 APO 160.39 V2 34.789
 RC 53.966 GL -6.54 GP 6.43 ZAL 44.38 ZAP 10.41 ETS 219.96 ZAE 141.29 ETE 160.55 ZAC 133.08 ETC 28.49 CLP 8.21

PLANETOCENTRIC CONIC

C3 73.864 VML 8.594 DLA 3.07 RAL 155.78 RAD 6569.4 VEL 13.972 PTH 2.55 VMP 14.549 DPA 27.14 RAP 132.58 ECC 2.2156
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 7 0 2632.22 -27.03 69.70 41.30 98.78 8 50 52 2032.2 -25.54 61.35
 90.00 20 50 35 5085.88 24.36 225.36 38.64 75.09 22 15 21 4485.9 22.07 217.44
 100.00 9 29 46 2365.23 -28.47 49.80 41.04 99.52 10 9 12 1765.2 -26.86 41.37
 100.00 22 10 30 4828.10 25.76 205.98 38.22 74.29 23 30 58 4228.1 23.36 198.01
 110.00 10 41 18 2141.35 -32.37 31.96 40.20 101.64 11 17 0 1541.3 -30.43 23.28
 110.00 23 15 28 4624.75 29.56 189.25 36.92 71.99 24 32 32 4024.7 26.81 181.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1152 TRA-2.8904 TC3 -.2782 BAU .2824 SGT 2122.5 SGR 478.8 SG3 109.5 ST 942.4 SR 352.3 SS 816.6
 RDE -.5087 RRA -.4770 RC3 .0659 FAU .01410 RRT .3032 RRF -.3181 RTF -.8940 CRT -.5929 CRS -.6909 CST .9914
 FDE -.8391 FRA 1.6486 FC3 -.1652 BSP 6879 SGB 2175.8 R23 -.0356 R13 -.8946 LSA 1265.3 MSA 278.8 SSA 17.5
 BDE 1.2257 BRA 2.9294 BC3 .2859 FSP -300 SGI 2127.7 SG2 455.1 THA 4.10 EL1 967.4 EL2 276.4 ALF 166.37

LAUNCH DATE APR 11 1967

FLIGHT TIME 120.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC

DISTANCE 269.500

RL 149.91 LAL -.00 LOL 200.43 VL 24.939 GAL 14.99 AZL 92.52 MCA 102.33 SMA 115.54 ECC .38658 INC 2.5168 V1 29.723
 RP 108.94 LAP -2.46 LOP 302.77 VP 35.888 GAP -22.52 A7P 89.46 TAL 153.00 TAP 255.33 RCA 70.88 APO 160.21 V2 34.786
 RC 51.953 GL -7.34 GP 6.84 ZAL 43.99 ZAP 9.73 ETS 226.45 ZAE 142.66 ETE 158.21 ZAC 131.21 ETC 27.78 CLP 6.94

PLANETOCENTRIC CONIC

C3 68.529 VML 8.278 DLA 2.14 RAL 155.94 RAD 6569.3 VEL 13.780 PTH 2.52 VMP 13.979 DPA 27.08 RAP 134.75 ECC 2.1278
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 14 33 2585.76 -26.50 66.40 39.70 100.35 8 57 39 1985.8 -24.81 58.14
 90.00 20 44 20 5097.02 24.55 226.12 37.88 75.43 22 9 17 4497.0 22.31 218.17
 100.00 9 36 53 2320.17 -27.92 46.56 39.40 101.14 10 15 34 1720.2 -26.10 38.24
 100.00 22 4 42 4837.84 25.94 206.65 37.47 74.60 23 25 20 4237.8 23.57 198.65
 110.00 10 47 25 2099.41 -31.75 28.84 38.44 103.39 11 22 25 1499.4 -29.58 20.31
 110.00 23 10 39 4631.37 29.70 189.72 36.21 72.24 24 27 50 4031.4 26.98 181.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1218 TRA-2.8915 TC3 -.2797 BAU .2652 SGT 2197.3 SGR 473.7 SG3 117.9 ST 981.8 SR 336.6 SS 852.9
 RDE -.4656 RRA -.4686 RC3 .0745 FAU .01457 RRT .3292 RRF -.3471 RTF -.9004 CRT -.5801 CRS -.6823 CST .9909
 FDE -.8823 FRA 1.7066 FC3 -.1840 BSP 7156 SGB 2247.7 R23 -.0402 R13 -.9011 LSA 1315.3 MSA 272.8 SSA 17.5
 BDE 1.2146 BRA 2.9292 BC3 .2894 FSP -325 SGI 2203.0 SG2 446.1 THA 4.23 EL1 1002.6 EL2 268.5 ALF 167.87

LAUNCH DATE APR 11 1967

FLIGHT TIME 122.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 276.222

RL 149.91 LAL -.00 LOL 200.43 VL 25.148 GAL 14.42 AZL 92.68 MCA 105.49 SMA 116.61 ECC .37225 INC 2.6815 V1 29.723
 RP 108.94 LAP -2.58 LOP 305.93 VP 36.032 GAP -21.54 A7P 89.28 TAL 152.42 TAP 257.91 RCA 73.20 APO 160.01 V2 34.785
 RC 50.440 GL -8.21 GP 7.30 ZAL 43.67 ZAP 9.23 ETS 234.02 ZAE 144.08 ETE 155.53 ZAC 129.32 ETC 27.13 CLP 5.66

PLANETOCENTRIC CONIC

C3 63.656 VML 7.978 DLA 1.17 RAL 156.04 RAD 6569.2 VEL 13.602 PTH 2.49 VMP 13.426 DPA 27.05 RAP 136.91 ECC 2.0476
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 22 10 2537.93 -25.88 63.04 38.05 101.92 9 4 28 1937.9 -23.97 54.88
 90.00 20 37 31 5109.55 24.76 226.98 37.08 75.80 22 2 41 4509.6 22.57 219.00
 100.00 9 44 4 2273.80 -27.27 43.27 37.71 102.75 10 21 57 1673.8 -25.24 35.06
 100.00 21 58 19 4848.92 26.14 207.42 36.68 74.95 23 19 8 4248.9 23.82 199.39
 110.00 10 53 33 2056.29 -31.03 25.69 36.64 105.13 11 27 49 1456.3 -28.64 17.30
 110.00 23 5 19 4639.19 29.86 190.27 35.45 72.53 24 22 38 4039.2 27.18 182.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1285 TRA-2.8907 TC3 -.2796 BAU .2484 SGT 2273.1 SGR 468.9 SG3 127.1 ST 1022.2 SR 319.4 SS 891.3
 RDE -.4227 RRA -.4614 RC3 .0839 FAU .01507 RRT .3588 RRF -.3800 RTF -.9064 CRT -.5638 CRS -.6706 CST .9904
 FDE -.9291 FRA 1.7680 FC3 -.2050 BSP 7425 SGB 2321.0 R23 -.0453 R13 -.9072 LSA 1367.6 MSA 266.3 SSA 17.6
 BDE 1.2051 BRA 2.9273 BC3 .2919 FSP -353 SGI 2279.6 SG2 436.5 THA 4.40 EL1 1039.0 EL2 259.5 ALF 169.34

LAUNCH DATE APR 11 1967

FLIGHT TIME 124.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC

DISTANCE 282.959

RL 149.91 LAL -.00 LOL 200.43 VL 25.345 GAL 13.89 AZL 92.85 MCA 108.65 SMA 117.63 ECC .35856 INC 2.8513 V1 29.723
 RP 108.94 LAP -2.70 LOP 309.10 VP 36.169 GAP -20.60 A7P 89.09 TAL 151.87 TAP 260.52 RCA 75.45 APO 159.81 V2 34.784
 RC 49.035 GL -9.15 GP 7.82 ZAL 43.42 ZAP 8.95 ETS 242.54 ZAE 145.52 ETE 152.45 ZAC 127.42 ETC 26.54 CLP 4.37

PLANETOCENTRIC CONIC

C3 59.213 VML 7.695 DLA .14 RAL 156.07 RAD 6569.1 VEL 13.438 PTH 2.46 VMP 12.890 DPA 27.05 RAP 139.07 ECC 1.9745
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 29 54 2488.62 -25.14 59.61 36.36 103.49 9 11 23 1888.6 -23.03 51.57
 90.00 20 30 3 5123.77 24.99 227.96 36.25 76.24 21 55 27 4523.8 22.86 219.94
 100.00 9 51 19 2226.02 -26.50 39.93 35.99 104.36 10 28 25 1626.0 -24.27 31.84
 100.00 21 51 20 4861.60 26.36 208.29 35.86 75.37 23 12 22 4261.6 24.09 200.23
 110.00 10 59 43 2011.93 -30.18 22.50 34.82 106.84 11 33 14 1411.9 -27.59 14.28
 110.00 22 59 26 4648.46 30.04 190.92 34.67 72.87 24 16 54 4048.5 27.41 182.73

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1356 TRA-2.8877 TC3 -.2778 BAU .2322 SGT 2349.7 SGR 465.0 SG3 137.1 ST 1063.6 SR 300.5 SS 932.1
 RDE -.3797 RRA -.4559 RC3 .0943 FAU .01562 RRT .3925 RRF -.4172 RTF -.9121 CRT -.5426 CRS -.6544 CST .9899
 FDE -.9803 FRA 1.8330 FC3 -.2283 BSP 7697 SGB 2395.2 R23 -.0512 R13 -.9130 LSA 1422.3 MSA 259.5 SSA 17.5
 BDE 1.1974 BRA 2.9235 BC3 .2933 FSP -383 SGI 2357.0 SG2 426.3 THA 4.59 EL1 1076.7 EL2 249.4 ALF 170.79

LAUNCH DATE APR 11 1967 FLIGHT TIME 126.00 ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC
 RL 149.91 LAL -.00 LOL 200.43 VL 25.529 GAL 13.37 AZL 93.03 MCA 111.80 SMA 118.62 ECC .34550 INC 3.0275 V1 29.723
 RP 108.94 LAP -2.81 LOP 312.26 VP 36.298 GAP -19.69 AZP 88.87 TAL 151.35 TAP 263.16 RCA 77.64 APO 159.60 V2 34.784
 RC 47.750 GL -10.17 GP 8.39 ZAL 43.24 ZAP 8.93 ETS 251.62 ZAE 146.96 ETE 148.91 ZAC 125.51 ETC 26.02 CLP 3.07

PLANETOCENTRIC CONIC
 C3 55.173 VHL 7.428 DLA -.94 RAL 156.04 RAD 6569.0 VEL 13.287 PTH 2.43 VMP 12.373 DPA 27.08 RAP 141.24 ECC 1.9080
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 37 47 2437.74 -24.28 56.13 34.64 105.03 9 18 25 1837.7 -21.98 48.21
 90.00 20 21 54 5139.99 25.25 229.07 35.39 76.74 21 47 34 4540.0 23.18 221.02
 100.00 9 58 41 2176.76 -25.63 36.53 34.23 105.94 10 34 58 1576.8 -23.19 28.58
 100.00 21 43 40 4876.20 26.61 209.31 35.02 75.85 23 4 57 4276.2 24.40 201.20
 110.00 11 5 56 1966.27 -29.25 19.28 32.97 108.54 11 38 42 1366.3 -26.44 11.23
 110.00 22 52 55 4659.45 30.26 191.71 33.87 73.29 24 10 35 4059.4 27.68 183.47

DIFFERENTIAL CORRECTIONS
 TOE 1.1499 TRA-2.8764 TC3 -.2690 BAU .2132
 ROE -.3364 RRA -.4521 RC3 .1057 FAU .01629
 FDE-1.0381 FRA 1.9002 FC3 -.2556 BSP 8122
 BOE 1.1981 BRA 2.9117 BC3 .2891 FSP -420

MID-COURSE EXECUTION ACCURACY
 SGT 2422.9 SGR 462.2 SG3 148.0
 RRT .4295 RRF -.4587 RTF -.9183
 SGB 2466.6 R23 -.0578 R13 -.9193
 SG1 2431.3 SG2 416.0 TMA 4.83

ORBIT DETERMINATION ACCURACY
 ST 1109.1 SR 279.8 SS 976.7
 CRT -.5174 CRS -.6325 CST .9897
 LSA 1482.9 MSA 251.1 SSA 17.4
 EL1 1119.0 EL2 237.4 ALF 172.21

LAUNCH DATE APR 11 1967 FLIGHT TIME 128.00 ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC
 RL 149.91 LAL -.00 LOL 200.43 VL 25.702 GAL 12.88 AZL 93.21 MCA 114.96 SMA 119.56 ECC .33306 INC 3.2116 V1 29.723
 RP 108.94 LAP -2.91 LOP 315.42 VP 36.420 GAP -18.80 AZP 88.64 TAL 150.86 TAP 265.82 RCA 79.74 APO 159.39 V2 34.785
 RC 46.594 GL -11.28 GP 9.04 ZAL 43.14 ZAP 9.21 ETS 260.69 ZAE 148.34 ETE 144.83 ZAC 123.58 ETC 25.54 CLP 1.75

PLANETOCENTRIC CONIC
 C3 51.514 VHL 7.177 DLA -2.09 RAL 155.93 RAD 6568.9 VEL 13.148 PTH 2.40 VMP 11.872 DPA 27.17 RAP 143.41 ECC 1.8478
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 45 52 2385.16 -23.31 52.59 32.91 106.55 9 25 37 1785.2 -20.82 44.80
 90.00 20 12 57 5158.60 25.54 230.36 34.51 77.33 21 38 56 4558.6 23.54 222.26
 100.00 10 6 13 2125.90 -24.63 33.08 32.46 107.50 10 41 39 1525.9 -22.00 25.27
 100.00 21 35 16 4893.09 26.88 210.49 34.16 76.41 22 56 49 4293.1 24.74 202.34
 110.00 11 12 15 1919.25 -28.19 16.04 31.11 110.19 11 44 15 1319.2 -25.18 8.16
 110.00 22 45 44 4672.51 30.51 192.64 33.06 73.79 24 3 37 4072.5 27.99 184.35

DIFFERENTIAL CORRECTIONS
 TOE 1.1559 TRA-2.8715 TC3 -.2647 BAU .1996
 ROE -.2927 RRA -.4508 RC3 .1181 FAU .01688
 FDE-1.0992 FRA 1.9739 FC3 -.2838 BSP 8327
 BOE 1.1924 BRA 2.9067 BC3 .2899 FSP -455

MID-COURSE EXECUTION ACCURACY
 SGT 2501.5 SGR 461.5 SG3 159.8
 RRT .4729 RRF -.5058 RTF -.9231
 SGB 2543.7 R23 -.0652 R13 -.9242
 SG1 2511.3 SG2 405.1 TMA 5.12

ORBIT DETERMINATION ACCURACY
 ST 1151.1 SR 257.5 SS 1022.6
 CRT -.4768 CRS -.5994 CST .9891
 LSA 1541.8 MSA 244.1 SSA 17.4
 EL1 1157.9 EL2 225.0 ALF 173.67

LAUNCH DATE APR 11 1967 FLIGHT TIME 130.00 ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC
 RL 149.91 LAL -.00 LOL 200.43 VL 25.863 GAL 12.41 AZL 93.41 MCA 118.12 SMA 120.47 ECC .32123 INC 3.4055 V1 29.723
 RP 108.94 LAP -3.00 LOP 318.59 VP 36.536 GAP -17.94 AZP 88.39 TAL 150.41 TAP 268.53 RCA 81.77 APO 159.17 V2 34.786
 RC 45.578 GL -12.48 GP 9.78 ZAL 43.14 ZAP 9.78 ETS 269.17 ZAE 149.61 ETE 140.15 ZAC 121.64 ETC 25.12 CLP .41

PLANETOCENTRIC CONIC
 C3 48.214 VHL 6.944 DLA -3.31 RAL 155.75 RAD 6568.8 VEL 13.022 PTH 2.38 VMP 11.390 DPA 27.32 RAP 145.59 ECC 1.7935
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 54 14 2330.71 -22.21 48.98 31.16 108.04 9 33 4 1730.7 -19.53 41.32
 90.00 20 3 8 5180.02 25.85 231.85 33.63 78.02 21 29 28 4580.0 23.94 223.71
 100.00 10 14 2 2073.30 -23.51 29.57 30.69 109.02 10 48 35 1473.3 -20.70 21.91
 100.00 21 26 1 4912.67 27.19 211.86 33.30 77.07 22 47 54 4312.7 25.14 203.66
 110.00 11 18 43 1870.76 -27.00 12.76 29.25 111.80 11 49 54 1270.8 -23.80 5.06
 110.00 22 37 48 4687.98 30.80 193.75 32.25 74.39 23 55 56 4088.0 28.36 185.41

DIFFERENTIAL CORRECTIONS
 TOE 1.1701 TRA-2.8586 TC3 -.2525 BAU .1836
 ROE -.2479 RRA -.4520 RC3 .1317 FAU .01762
 FDE-1.1689 FRA 2.0502 FC3 -.3163 BSP 8681
 BOE 1.1961 BRA 2.8941 BC3 .2848 FSP -497

MID-COURSE EXECUTION ACCURACY
 SGT 2576.4 SGR 463.6 SG3 172.7
 RRT .5200 RRF -.5571 RTF -.9285
 SGB 2617.8 R23 -.0734 R13 -.9296
 SG1 2587.9 SG2 394.2 TMA 5.47

ORBIT DETERMINATION ACCURACY
 ST 1197.8 SR 233.3 SS 1073.0
 CRT -.4227 CRS -.5513 CST .9888
 LSA 1607.7 MSA 235.8 SSA 17.2
 EL1 1202.0 EL2 210.7 ALF 175.14

LAUNCH DATE APR 11 1967 FLIGHT TIME 132.00 ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC
 RL 149.91 LAL -.00 LOL 200.43 VL 26.015 GAL 11.97 AZL 93.61 MCA 121.27 SMA 121.33 ECC .30999 INC 3.6112 V1 29.723
 RP 108.93 LAP -3.09 LOP 321.75 VP 36.645 GAP -17.11 AZP 88.12 TAL 149.98 TAP 271.26 RCA 83.72 APO 158.94 V2 34.788
 RC 44.711 GL -13.79 GP 10.61 ZAL 43.23 ZAP 10.65 ETS 276.64 ZAE 150.70 ETE 134.85 ZAC 119.68 ETC 24.74 CLP -.95

PLANETOCENTRIC CONIC
 C3 45.251 VHL 6.727 DLA -4.61 RAL 155.48 RAD 6568.7 VEL 12.908 PTH 2.35 VMP 10.925 DPA 27.55 RAP 147.78 ECC 1.7447
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 2 56 2274.19 -20.97 45.29 29.42 109.48 9 40 50 1674.2 -18.12 37.78
 90.00 19 52 19 5204.75 26.19 233.59 32.75 78.82 21 19 3 4604.7 24.38 225.38
 100.00 10 22 6 2018.78 -22.25 26.01 28.92 110.49 10 55 45 1418.8 -19.26 18.49
 100.00 21 15 49 4935.39 27.52 213.47 32.44 77.85 22 38 4 4335.4 25.57 205.21
 110.00 11 25 23 1820.67 -25.69 9.46 27.41 113.36 11 55 44 1220.7 -22.31 1.94
 110.00 22 29 2 4706.27 31.13 195.08 31.45 75.11 23 47 28 4106.3 28.77 186.67

DIFFERENTIAL CORRECTIONS
 TOE 1.2073 TRA-2.8235 TC3 -.2201 BAU .1602
 ROE -.2011 RRA -.4558 RC3 .1471 FAU .01872
 FDE-1.2535 FRA 2.1237 FC3 -.3582 BSP 9536
 BOE 1.2240 BRA 2.8601 BC3 .2647 FSP -557

MID-COURSE EXECUTION ACCURACY
 SGT 2639.4 SGR 469.3 SG3 186.6
 RRT .5692 RRF -.6110 RTF -.9356
 SGB 2680.8 R23 -.0815 R13 -.9369
 SG1 2653.2 SG2 383.8 TMA 5.90

ORBIT DETERMINATION ACCURACY
 ST 1257.6 SR 207.4 SS 1131.3
 CRT -.3512 CRS -.4793 CST .9888
 LSA 1689.5 MSA 223.4 SSA 16.8
 EL1 1259.7 EL2 193.9 ALF 176.60

LAUNCH DATE APR 11 1967

FLIGHT TIME 134.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 316.781

RL 149.91 LAL -.00 LOL 200.43 VL 26.156 GAL 11.55 AZL 93.83 MCA 124.43 SMA 122.16 ECC .29938 INC 3.8311 V1 29.723
 RP 108.92 LAP -3.16 LOP 324.92 VP 36.748 GAP -16.30 AZP 87.83 TAL 149.59 TAP 274.02 RCA 85.59 APO 158.73 V2 34.791
 RC 44.000 GL -15.20 GP 11.55 ZAL 43.43 ZAP 11.78 ETS 282.89 ZAE 151.53 ETE 128.93 ZAC 117.70 ETC 24.40 CLP -2.33

PLANETOCENTRIC CONIC

C3 42.638 VHL 6.530 DLA -6.00 RAL 155.14 RAD 6568.6 VEL 12.806 PTH 2.33 VHP 10.481 DPA 27.87 RAP 149.99 ECC 1.7017
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 12 6 2215.51 -19.59 41.54 27.73 110.86 9 49 2 1615.5 -16.58 34.16
 90.00 19 40 24 5233.48 26.55 235.61 31.91 79.77 21 7 38 4633.5 24.87 227.35
 100.00 10 30 36 1962.28 -20.86 22.39 27.20 111.91 11 3 18 1362.3 -17.70 15.02
 100.00 21 4 36 4961.94 27.89 215.36 31.63 78.78 22 27 18 4361.9 26.06 207.03
 110.00 11 32 20 1769.01 -24.26 6.13 25.61 114.86 12 1 49 1169.0 -20.70 358.79
 110.00 22 19 21 4727.99 31.50 196.66 30.70 75.98 23 38 9 4128.0 29.25 188.18

DIFFERENTIAL CORRECTIONS

TDE 1.0832 TRA-2.9506 TC3 -.3358 BAU .2117
 RDE -.1573 RRA -.4690 RC3 .1588 FAU .01705
 FDE -1.2876 FRA 2.2645 FC3 -.3462 BSP 6456
 BDE 1.0945 BRA 2.9876 BC3 .3714 FSP -496

MID-COURSE EXECUTION ACCURACY

SGT 2805.8 SGR 483.0 SG3 202.1
 RRT .6311 RRF -.6767 RTF -.9258
 SGB 2847.1 R23 -.1057 R13 -.9274
 SGI 2822.6 SG2 372.5 TMA 6.31

ORBIT DETERMINATION ACCURACY

ST 1230.2 SR 185.7 SS 1158.2
 CRT -.1500 CRS -.3427 CST .9798
 LSA 1681.7 MSA 246.7 SSA 17.3
 EL1 1230.5 EL2 183.6 ALF 178.67

LAUNCH DATE APR 11 1967

FLIGHT TIME 136.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 323.546

RL 149.91 LAL -.00 LOL 200.43 VL -26.288 GAL 11.14 AZL 94.07 MCA 127.59 SMA 122.94 ECC .28927 INC 4.0684 V1 29.723
 RP 108.91 LAP -3.22 LOP 328.09 VP 36.846 GAP -15.52 AZP 87.52 TAL 149.23 TAP 276.82 RCA 87.38 APO 158.50 V2 34.795
 RC 43.455 GL -16.75 GP 12.63 ZAL 43.75 ZAP 13.16 ETS 287.96 ZAE 152.01 ETE 122.49 ZAC 115.70 ETC 24.11 CLP -3.74

PLANETOCENTRIC CONIC

C3 40.312 VHL 6.349 DLA -7.49 RAL 154.69 RAD 6568.6 VEL 12.715 PTH 2.31 VHP 10.053 DPA 28.31 RAP 152.23 ECC 1.6634
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 21 48 2154.02 -18.05 37.68 26.04 112.19 9 57 42 1554.0 -14.89 30.44
 90.00 19 27 9 5266.67 26.93 237.97 31.08 80.90 20 54 56 4666.7 25.39 229.63
 100.00 10 39 33 1903.21 -19.32 18.68 25.49 113.27 11 11 16 1303.2 -16.00 11.46
 100.00 20 52 5 4992.71 28.28 217.56 30.83 79.88 22 15 18 4392.7 26.59 209.17
 110.00 11 39 34 1715.26 -22.68 2.76 25.82 116.29 12 8 10 1115.3 -18.96 355.60
 110.00 22 8 33 4753.43 31.90 198.54 29.97 77.02 23 27 46 4153.4 29.79 189.96

DIFFERENTIAL CORRECTIONS

TDE 1.1656 TRA-2.8710 TC3 -.2615 BAU .1704
 RDE -.1040 RRA -.4800 RC3 .1777 FAU .01888
 FDE -1.4058 FRA 2.3325 FC3 -.4055 BSP 8254
 BDE 1.1703 BRA 2.9108 BC3 .3162 FSP -594

MID-COURSE EXECUTION ACCURACY

SGT 2836.4 SGR 500.6 SG3 218.3
 RRT .6816 RRF -.7311 RTF -.9366
 SGB 2880.2 R23 -.1121 R13 -.9385
 SGI 2857.2 SG2 363.6 TMA 6.97

ORBIT DETERMINATION ACCURACY

ST 1311.9 SR 161.4 SS 1233.1
 CRT .0185 CRS -.1551 CST .9845
 LSA 1793.5 MSA 225.1 SSA 16.6
 EL1 1311.9 EL2 161.3 ALF .13

LAUNCH DATE APR 11 1967

FLIGHT TIME 138.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 330.311

RL 149.91 LAL -.00 LOL 200.43 VL 26.411 GAL 10.76 AZL 94.33 MCA 130.75 SMA 123.68 ECC .27973 INC 4.3268 V1 29.723
 RP 108.90 LAP -3.28 LOP 331.25 VP 36.938 GAP -14.76 AZP 87.17 TAL 148.90 TAP 279.65 RCA 89.08 APO 158.28 V2 34.799
 RC 43.079 GL -18.44 GP 13.87 ZAL 44.21 ZAP 14.79 ETS 291.93 ZAE 152.06 ETE 115.72 ZAC 113.68 ETC 23.85 CLP -5.18

PLANETOCENTRIC CONIC

C3 38.303 VHL 6.189 DLA -9.09 RAL 154.15 RAD 6568.5 VEL 12.636 PTH 2.29 VHP 9.647 DPA 28.88 RAP 154.52 ECC 1.6304
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 32 13 2089.53 -16.35 33.72 24.42 113.45 10 7 3 1489.5 -13.04 26.60
 90.00 19 12 23 5305.33 27.32 240.73 30.31 82.23 20 40 48 4705.3 25.96 232.33
 100.00 10 49 7 1841.44 -17.61 14.89 23.83 114.55 11 19 48 1241.4 -14.15 7.81
 100.00 20 38 10 5028.65 28.68 220.16 30.08 81.19 22 1 59 4428.7 27.16 211.68
 110.00 11 47 15 1659.43 -20.95 359.34 22.01 117.65 12 14 54 1059.4 -17.09 352.35
 110.00 21 56 32 4783.44 32.34 200.77 29.31 78.27 23 16 15 4183.4 30.39 192.10

DIFFERENTIAL CORRECTIONS

TDE 1.2101 TRA-2.8330 TC3 -.2231 BAU .1524
 RDE -.0479 RRA -.4977 RC3 .1968 FAU .02003
 FDE -1.5218 FRA 2.4201 FC3 -.4528 BSP 9021
 BDE 1.2110 BRA 2.8764 BC3 .2975 FSP -664

MID-COURSE EXECUTION ACCURACY

SGT 2895.9 SGR 528.3 SG3 235.8
 RRT .7338 RRF -.7859 RTF -.9427
 SGB 2943.7 R23 -.1229 R13 -.9449
 SGI 2922.1 SG2 355.7 TMA 7.74

ORBIT DETERMINATION ACCURACY

ST 1374.8 SR 147.0 SS 1304.2
 CRT .3060 CRS .1434 CST .9858
 LSA 1888.5 MSA 213.8 SSA 16.0
 EL1 1375.5 EL2 139.9 ALF 1.89

LAUNCH DATE APR 11 1967

FLIGHT TIME 140.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 337.072

RL 149.91 LAL -.00 LOL 200.43 VL 26.525 GAL 10.39 AZL 94.61 MCA 133.90 SMA 124.38 ECC .27074 INC 4.6110 V1 29.723
 RP 108.88 LAP -3.32 LOP 334.42 VP 37.024 GAP -14.02 AZP 86.80 TAL 148.61 TAP 282.51 RCA 90.71 APO 158.06 V2 34.804
 RC 42.876 GL -20.28 GP 15.31 ZAL 44.81 ZAP 16.66 ETS 294.96 ZAE 151.61 ETE 108.87 ZAC 111.61 ETC 23.63 CLP -6.65

PLANETOCENTRIC CONIC

C3 36.608 VHL 6.050 DLA -10.82 RAL 153.49 RAD 6568.4 VEL 12.569 PTH 2.28 VHP 9.263 DPA 29.63 RAP 156.87 ECC 1.6025
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 43 34 2021.47 -14.46 29.61 22.87 114.61 10 17 15 1421.5 -11.02 22.62
 90.00 18 55 49 5350.52 27.69 243.98 29.60 83.82 20 24 59 4750.5 26.54 235.50
 100.00 10 59 30 1776.50 -15.73 10.98 22.26 115.75 11 29 6 1176.5 -12.14 4.03
 100.00 20 22 34 5070.72 29.08 223.22 29.41 82.75 21 47 5 4470.7 27.77 214.66
 110.00 11 55 28 1601.20 -19.07 355.87 20.45 118.92 12 22 10 1001.2 -15.07 349.04
 110.00 21 43 5 4818.78 32.80 203.42 28.75 79.78 23 3 24 4218.8 31.04 194.64

DIFFERENTIAL CORRECTIONS

TDE 1.2459 TRA-2.8078 TC3 -.1960 BAU .1430
 RDE .0136 RRA -.5225 RC3 .2167 FAU .02082
 FDE -1.6467 FRA 2.5165 FC3 -.4947 BSP 9451
 BDE 1.2460 BRA 2.8560 BC3 .2922 FSP -728

MID-COURSE EXECUTION ACCURACY

SGT 2962.5 SGR 568.0 SG3 254.5
 RRT .7824 RRF -.8363 RTF -.9472
 SGB 3016.5 R23 -.1359 R13 -.9498
 SGI 2996.1 SG2 349.8 TMA 8.65

ORBIT DETERMINATION ACCURACY

ST 1432.4 SR 151.9 SS 1377.4
 CRT .6339 CRS .4984 CST .9861
 LSA 1982.2 MSA 206.5 SSA 15.3
 EL1 1435.6 EL2 117.2 ALF 3.87

LAUNCH DATE APR 11 1967

FLIGHT TIME 142.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 343.827

RL 149.91 LAL -.00 LOL 200.43 VL 26.632 GAL 10.05 AZL 94.93 MCA 137.06 SMA 125.05 ECC .26226 INC 4.9272 W1 29.723
 RP 108.87 LAP -3.35 LOP 337.59 VP 37.106 GAP -13.30 A7P 86.39 TAL 148.34 TAP 285.40 RCA 92.25 APO 157.84 V2 34.809
 RC 42.849 GL -22.30 GP 16.98 ZAL 45.58 ZAP 18.79 ETS 297.18 ZAE 150.62 ETE 102.26 ZAC 109.50 ETC 23.43 CLP -8.15

PLANETOCENTRIC CONIC

C3 35.233 VHL 5.936 OLA -12.69 RAL 152.72 RAD 6568.4 VEL 12.514 PTH 2.27 VHP 8.904 DPA 30.58 RAP 159.30 ECC 1.5799
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 56 7 1949.05 -12.37 25.33 21.43 115.68 10 28 36 1349.1 -8.81 18.45
 90.00 18 37 4 5403.59 28.02 247.83 28.97 85.72 20 7 8 4803.6 27.13 239.28
 100.00 11 10 55 1707.73 -13.66 6.93 20.78 116.85 11 39 23 1107.7 -9.94 .11
 100.00 20 4 57 5120.14 29.45 226.85 28.83 84.63 21 30 18 4520.1 28.39 218.20
 110.00 12 4 24 1540.21 -17.03 352.33 18.89 120.10 12 30 5 940.2 -12.90 345.65
 110.00 21 27 57 4860.44 33.26 206.59 28.29 81.60 22 48 58 4260.4 31.74 197.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2867 TRA-2.7836 TC3 -.1690 BAU .1373 SGT 3027.9 SGR 622.5 SG3 274.2 ST 1491.7 SR 183.4 SS 1455.4
 ROE .0830 RRA -.5551 RC3 .2374 FAU .02172 RRT .8253 RRF -.8797 RTF -.9513 CRT .8611 CRS .7674 CST .9864
 FDE-1.7872 FRA 2.6151 FC3 -.5338 BSP 9820 SGB 3091.2 R23 -.1489 R13 -.9544 LSA 2082.5 MSA 200.7 SSA 14.5
 BOE 1.2893 BRA 2.8384 BC3 .2914 FSP -793 SGI 3071.8 SG2 346.5 TMA 9.76 ELI 1500.1 EL2 92.7 ALF 6.07

LAUNCH DATE APR 11 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 350.573

RL 149.91 LAL -.00 LOL 200.43 VL 26.731 GAL 9.72 AZL 95.28 MCA 140.22 SMA 125.67 ECC .25430 INC 5.2834 V1 29.723
 RP 108.85 LAP -3.38 LOP 340.76 VP 37.183 GAP -12.60 A7P 85.94 TAL 148.10 TAP 288.32 RCA 93.71 APO 157.63 V2 34.815
 RC 42.995 GL -24.51 GP 18.94 ZAL 46.55 ZAP 21.19 ETS 298.72 ZAE 149.05 ETE 96.16 ZAC 107.32 ETC 23.25 CLP -9.69

PLANETOCENTRIC CONIC

C3 34.200 VHL 5.848 OLA -14.72 RAL 151.80 RAD 6568.3 VEL 12.473 PTH 2.26 VHP 8.574 DPA 31.79 RAP 161.85 ECC 1.5628
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 10 18 1871.19 -10.03 20.80 20.14 116.62 10 41 29 1271.2 -6.38 14.03
 90.00 18 15 36 5466.42 28.25 252.41 28.43 88.01 19 46 43 4866.4 27.68 243.79
 100.00 11 23 43 1634.29 -11.36 2.69 19.44 117.84 11 50 57 1034.3 -7.54 355.98
 100.00 19 44 52 5178.55 28.74 231.16 28.35 86.88 21 11 10 4578.5 28.99 222.44
 110.00 12 14 16 1475.96 -14.80 348.68 17.44 121.17 12 38 52 876.0 -10.56 342.14
 110.00 21 10 48 4909.64 33.68 210.36 27.98 83.80 22 32 38 4309.6 32.46 201.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.3321 TRA-2.7833 TC3 -.1461 BAU .1358 SGT 3093.2 SGR 695.0 SG3 294.6 ST 1552.0 SR 241.9 SS 1537.8
 ROE .1630 RRA -.5974 RC3 .2585 FAU .02232 RRT .8607 RRF -.9148 RTF -.9548 CRT .9609 CRS .9041 CST .9867
 FDE-1.9442 FRA 2.7148 FC3 -.5650 BSP 10079 SGB 3170.3 R23 -.1619 R13 -.9585 LSA 2189.3 MSA 197.1 SSA 13.5
 BOE 1.3421 BRA 2.8271 BC3 .2970 FSP -857 SGI 3151.2 SG2 347.3 TMA 11.08 ELI 1569.3 EL2 66.3 ALF 8.53

LAUNCH DATE APR 11 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 357.309

RL 149.91 LAL -.00 LOL 200.43 VL 26.823 GAL 9.42 AZL 95.69 MCA 143.38 SMA 126.26 ECC .24684 INC 5.6903 V1 29.723
 RP 108.83 LAP -3.39 LOP 343.94 VP 37.255 GAP -11.92 A7P 85.43 TAL 147.89 TAP 291.27 RCA 95.09 APO 157.43 V2 34.822
 RC 43.312 GL -26.94 GP 21.23 ZAL 47.72 ZAP 23.91 ETS 299.67 ZAE 146.92 ETE 90.77 ZAC 105.06 ETC 23.07 CLP -11.26

PLANETOCENTRIC CONIC

C3 33.542 VHL 5.792 OLA -16.91 RAL 150.73 RAD 6568.3 VEL 12.446 PTH 2.25 VHP 8.278 DPA 33.29 RAP 164.58 ECC 1.5520
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 26 43 1786.19 -7.40 15.94 19.04 117.41 10 56 29 1186.2 -3.67 9.25
 90.00 17 50 38 5541.63 28.31 257.91 27.98 90.76 19 23 0 4941.6 28.11 249.25
 100.00 11 38 24 1554.87 -8.80 358.18 18.29 118.68 12 4 19 954.9 -4.90 351.56
 100.00 19 21 38 5248.18 29.89 236.33 27.99 89.60 20 49 6 4648.2 29.51 227.55
 110.00 12 25 21 1407.79 -12.36 344.90 16.16 122.13 12 48 49 807.8 -8.03 338.48
 110.00 20 51 10 4968.03 34.02 214.89 27.82 86.46 22 13 58 4368.0 33.16 205.76

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.3934 TRA-2.7388 TC3 -.1187 BAU .1363 SGT 3152.7 SGR 789.0 SG3 315.1 ST 1619.3 SR 325.6 SS 1626.6
 ROE .2582 RRA -.6503 RC3 .2799 FAU .02284 RRT .8892 RRF -.9415 RTF -.9584 CRT .9927 CRS .9620 CST .9872
 FDE-2.1239 FRA 2.8059 FC3 -.5895 BSP 10429 SGB 3250.0 R23 -.1715 R13 -.9629 LSA 2310.1 MSA 193.7 SSA 12.4
 BOE 1.4171 BRA 2.8150 BC3 .3040 FSP -925 SGI 3230.8 SG2 352.3 TMA 12.70 ELI 1651.3 EL2 38.4 ALF 11.29

LAUNCH DATE APR 11 1967

FLIGHT TIME 148.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 364.033

RL 149.91 LAL -.00 LOL 200.43 VL 26.908 GAL 9.13 AZL 96.16 MCA 146.53 SMA 126.81 ECC .23986 INC 6.1626 V1 29.723
 RP 108.80 LAP -3.39 LOP 347.11 VP 37.323 GAP -11.26 A7P 84.85 TAL 147.71 TAP 294.24 RCA 96.40 APO 157.23 V2 34.830
 RC 43.796 GL -29.61 GP 23.95 ZAL 49.14 ZAP 27.00 ETS 300.13 ZAE 144.21 ETE 86.19 ZAC 102.69 ETC 22.86 CLP -12.85

PLANETOCENTRIC CONIC

C3 33.324 VHL 5.773 OLA -19.31 RAL 149.48 RAD 6568.3 VEL 12.438 PTH 2.25 VHP 8.023 DPA 35.16 RAP 167.55 ECC 1.5484
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 46 25 1691.18 -4.39 10.58 18.22 118.00 11 14 36 1091.2 -.61 3.94
 90.00 17 20 54 5633.34 28.04 264.61 27.61 94.11 18 54 47 5033.3 28.32 255.95
 100.00 11 55 46 1467.39 -5.90 363.30 17.39 119.36 12 20 13 867.4 -1.95 346.75
 100.00 18 54 14 5332.37 29.77 242.59 27.73 92.89 20 23 6 4732.4 29.85 233.78
 110.00 12 38 6 1334.73 -9.69 340.94 15.08 122.94 13 0 21 734.7 -5.28 334.62
 110.00 20 28 24 5037.79 34.18 220.33 27.84 89.68 21 52 21 4437.8 33.76 211.11

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.4682 TRA-2.7182 TC3 -.0965 BAU .1402 SGT 3210.6 SGR 908.5 SG3 334.7 ST 1690.9 SR 434.7 SS 1718.9
 ROE .3739 RRA -.7166 RC3 .2996 FAU .02297 RRT .9108 RRF -.9609 RTF -.9617 CRT .9995 CRS .9852 CST .9878
 FDE-2.3239 FRA 2.8855 FC3 -.5967 BSP 10712 SGB 3336.7 R23 -.1783 R13 -.9671 LSA 2442.4 MSA 192.4 SSA 11.2
 BOE 1.5150 BRA 2.8111 BC3 .3148 FSP -988 SGI 3316.9 SG2 363.1 TMA 14.63 ELI 1745.8 EL2 12.6 ALF 14.41

LAUNCH DATE APR 11 1967

FLIGHT TIME 150.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 370.743

RL 149.91 LAL -.00 LOL 200.43 VL 26.986 GAL 8.86 AZL 96.72 HCA 149.69 SMA 127.33 ECC .23334 INC 6.7210 V1 29.723
 RP 108.78 LAP -3.39 LOP 350.29 VP 37.387 GAP -10.62 AZP 84.19 TAL 147.55 TAP 297.24 RCA 97.62 APO 157.04 V2 34.838
 RC 44.440 GL -32.55 GP 27.18 ZAL 50.83 ZAP 30.52 ETS 300.15 ZAE 140.90 ETE 82.42 ZAC 100.17 ETC 22.60 CLP -14.45

PLANETOCENTRIC CONIC

C3 33.646 VHL 5.801 DLA -21.91 RAL 148.00 RAD 6568.3 VEL 12.451 PTH 2.25 VHP 7.822 DPA 37.45 RAP 170.87 ECC 1.5537
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 11 22 1580.60 -.83 4.40 17.83 118.31 11 37 43 980.6 2.96 357.77
 90.00 16 44 9 5748.78 27.20 272.95 27.21 98.20 18 19 57 5148.8 28.05 264.38
 100.00 12 17 13 1368.07 -2.56 347.82 16.87 119.79 12 40 1 768.1 1.42 341.30
 100.00 18 20 59 5436.54 29.16 250.27 27.51 96.89 19 51 35 4836.5 29.81 241.53
 110.00 12 53 12 1255.28 -6.72 336.70 14.30 123.60 13 14 7 655.3 -2.25 330.45
 110.00 20 1 29 5122.09 34.02 226.91 28.03 93.56 21 26 51 4522.1 34.14 217.67

DIFFERENTIAL CORRECTIONS

TDE 1.5653 TRA-2.6992 TC3 -.0773 BAU .1464
 RDE .5185 RRA -.7977 RC3 .3161 FAU .02263
 FDE-2.5450 FRA 2.9399 FC3 -.5824 BSP 11010
 BDE 1.6489 BRA 2.8146 BC3 .3254 FSP -1044

MID-COURSE EXECUTION ACCURACY

SGT 3264.5 SGR 1057.4 SG3 351.7
 RRT .9269 RRF -.9742 RTF -.9647
 SGB 3431.5 R23 -.1803 R13 -.9714
 SG1 3410.4 SG2 379.8 TMA 16.93

ORBIT DETERMINATION ACCURACY

ST 1770.3 SR 572.1 SS 1813.6
 CRT .9987 CRS .9945 CST .9886
 LSA 2591.0 MSA 192.4 SSA 9.9
 EL1 1860.2 EL2 28.0 ALF 17.89

LAUNCH DATE APR 11 1967

FLIGHT TIME 152.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 377.437

RL 149.91 LAL -.00 LOL 200.43 VL 27.059 GAL 8.61 AZL 97.40 HCA 152.84 SMA 127.81 ECC .22729 INC 7.3962 V1 29.723
 RP 108.75 LAP -3.37 LOP 353.46 VP 37.448 GAP -9.99 AZP 83.41 TAL 147.41 TAP 300.25 RCA 98.76 APO 156.85 V2 34.846
 RC 45.237 GL -35.79 GP 31.02 ZAL 52.83 ZAP 34.55 ETS 299.77 ZAE 136.95 ETE 79.39 ZAC 97.45 ETC 22.22 CLP -16.03

PLANETOCENTRIC CONIC

C3 34.679 VHL 5.889 DLA -24.75 RAL 146.25 RAD 6568.4 VEL 12.492 PTH 2.26 VHP 7.693 DPA 40.23 RAP 174.72 ECC 1.5707
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 46 23 1440.30 3.69 356.57 18.19 118.10 12 10 23 840.3 7.42 349.87
 90.00 15 55 10 616.29 25.21 305.99 26.53 103.34 16 5 26 16.3 26.80 297.68
 100.00 12 45 46 1248.58 1.49 341.26 16.97 119.86 13 6 34 648.6 5.45 334.72
 100.00 17 38 28 5571.28 27.67 260.00 27.15 101.79 19 11 19 4971.3 29.01 251.46
 110.00 13 11 51 1166.75 -3.36 332.04 13.95 124.04 13 31 18 566.7 1.13 325.84
 110.00 19 28 52 5225.88 33.29 234.92 28.30 98.25 20 55 58 4625.9 34.07 225.77

DIFFERENTIAL CORRECTIONS

TDE 1.6956 TRA-2.6837 TC3 -.0817 BAU .1540
 RDE .7040 RRA -.8948 RC3 .3263 FAU .02163
 FDE-2.7840 FRA 2.9532 FC3 -.5401 BSP 11365
 BDE 1.8359 BRA 2.8289 BC3 .3321 FSP -1089

MID-COURSE EXECUTION ACCURACY

SGT 3315.6 SGR 1239.3 SG3 364.0
 RRT .9390 RRF -.9830 RTF -.9677
 SGB 3539.7 R23 -.1765 R13 -.9757
 SG1 3516.8 SG2 402.0 TMA 19.61

ORBIT DETERMINATION ACCURACY

ST 1861.6 SR 743.0 SS 1907.8
 CRT .9963 CRS .9981 CST .9895
 LSA 2760.4 MSA 193.1 SSA 8.7
 EL1 2003.5 EL2 59.2 ALF 21.71

LAUNCH DATE APR 11 1967

FLIGHT TIME 154.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 384.113

RL 149.91 LAL -.00 LOL 200.43 VL 27.125 GAL 8.38 AZL 98.23 HCA 156.00 SMA 128.25 ECC .22167 INC 8.2343 V1 29.723
 RP 108.72 LAP -3.34 LOP 356.64 VP 37.504 GAP -9.38 AZP 82.47 TAL 147.29 TAP 303.29 RCA 99.82 APO 156.68 V2 34.856
 RC 46.178 GL -39.37 GP 35.60 ZAL 55.20 ZAP 39.17 ETS 299.04 ZAE 132.29 ETE 76.95 ZAC 94.48 ETC 21.61 CLP -17.53

PLANETOCENTRIC CONIC

C3 36.713 VHL 6.059 DLA -27.83 RAL 144.15 RAD 6568.4 VEL 12.573 PTH 2.28 VHP 7.666 DPA 43.56 RAP 179.35 ECC 1.6042
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 56 12 1192.97 11.40 342.49 20.59 116.10 13 16 5 593.0 14.82 335.48
 90.00 14 28 38 892.42 19.63 324.28 24.29 110.83 14 43 31 292.4 22.29 316.61
 100.00 13 30 42 1081.46 7.10 332.03 18.31 119.11 13 48 43 481.5 10.93 325.34
 100.00 16 36 50 5767.20 24.21 273.52 26.03 108.09 18 12 57 5167.2 26.45 265.44
 110.00 13 36 27 1063.38 .59 326.65 14.29 124.18 13 54 11 463.4 5.07 320.43
 110.00 18 47 34 5358.05 31.56 244.83 28.41 103.87 20 16 52 4758.1 33.14 235.97

DIFFERENTIAL CORRECTIONS

TDE 1.8745 TRA-2.6760 TC3 -.0523 BAU .1619
 RDE .9474 RRA-1.0073 RC3 .3257 FAU .01968
 FDE-3.0303 FRA 2.9047 FC3 -.4641 BSP 11774
 BDE 2.1003 BRA 2.8593 BC3 .3299 FSP -1110

MID-COURSE EXECUTION ACCURACY

SGT 3366.5 SGR 1455.5 SG3 368.3
 RRT .9479 RRF -.9886 RTF -.9707
 SGB 3667.7 R23 -.1673 R13 -.9800
 SG1 3642.6 SG2 428.4 TMA 22.62

ORBIT DETERMINATION ACCURACY

ST 1969.5 SR 952.4 SS 1995.7
 CRT .9944 SR .9995 CST .9907
 LSA 2954.9 MSA 194.3 SSA 7.4
 EL1 2185.8 EL2 90.5 ALF 25.73

LAUNCH DATE APR 11 1967

FLIGHT TIME 156.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 390.769

RL 149.91 LAL -.00 LOL 200.43 VL 27.186 GAL 8.16 AZL 99.31 HCA 159.14 SMA 128.66 ECC .21649 INC 9.3093 V1 29.723
 RP 108.69 LAP -3.30 LOP 359.82 VP 37.558 GAP -8.79 AZP 81.29 TAL 147.19 TAP 306.34 RCA 100.81 APO 156.52 V2 34.865
 RC 47.255 GL -43.31 GP 41.05 ZAL 57.97 ZAP 44.47 ETS 297.92 ZAE 126.81 ETE 74.85 ZAC 91.20 ETC 20.58 CLP -18.85

PLANETOCENTRIC CONIC

C3 40.277 VHL 6.346 DLA -31.14 RAL 141.62 RAD 6568.5 VEL 12.714 PTH 2.31 VHP 7.789 DPA 47.43 RAP 185.20 ECC 1.6629
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.46 11 44 51 1411.35 16.47 1.18 22.30 116.81 12 8 22 811.4 19.94 354.00
 103.54 15 19 45 720.86 16.49 310.20 22.30 116.80 15 31 46 120.9 19.95 303.02
 76.46 11 44 51 1411.35 16.47 1.18 22.30 116.81 12 8 22 811.4 19.94 354.00
 103.54 15 19 45 720.86 16.49 310.20 22.30 116.80 15 31 46 120.9 19.95 303.02
 110.00 14 13 34 927.87 5.75 319.55 15.93 123.75 14 29 1 327.9 10.15 313.22
 110.00 17 50 13 5540.38 27.85 257.72 27.69 110.67 19 22 34 4940.4 30.40 249.46

DIFFERENTIAL CORRECTIONS

TDE 2.1304 TRA-2.6838 TC3 -.0520 BAU .1680
 RDE 1.2724 RRA-1.1304 RC3 .3076 FAU .01641
 FDE-3.2636 FRA 2.7705 FC3 -.3526 BSP 12254
 BDE 2.4814 BRA 2.9122 BC3 .3120 FSP -1095

MID-COURSE EXECUTION ACCURACY

SGT 3423.2 SGR 1701.1 SG3 360.6
 RRT .9547 RRF -.9921 RTF -.9736
 SGB 3822.5 R23 -.1535 R13 -.9841
 SG1 3795.2 SG2 456.7 TMA 25.78

ORBIT DETERMINATION ACCURACY

ST 2102.5 SR 1203.2 SS 2068.7
 CRT .9935 CRS .9999 CST .9920
 LSA 3179.5 MSA 195.5 SSA 6.3
 EL1 2419.5 EL2 119.4 ALF 29.70

LAUNCH DATE APR 11 1967

FLIGHT TIME 158.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 397.398

RL 149.91 LAL -.00 LOL 200.43 VL 127.242 GAL 7.96 AZL 100.75 MCA 162.29 SMA 129.05 ECC .21174 INC10.7475 V1 29.723
 RP 108.66 LAP -3.25 LOP 3.00 VP 37.607 GAP -8.21 AZP 79.75 TAL 147.10 TAP 309.39 RCA 101.72 APO 156.37 V2 34.875
 RC 48.458 GL -47.62 GP 47.46 ZAL 61.21 ZAP 50.48 ETS 296.26 ZAE 120.41 ETE 72.69 ZAC 87.54 ETC 18.77 CLP -19.74

PLANETOCENTRIC CONIC

C3 46.395 VHL 6.811 OLA -34.66 RAL 138.49 RAD 6568.7 VEL 12.952 PTH 2.36 VHP 8.145 DPA 51.71 RAP 192.99 ECC 1.7635
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.12 10 44 59 1593.76 16.95 15.46 22.33 120.70 11 11 32 993.8 20.89 8.52
 110.88 15 54 43 609.67 16.96 301.93 22.34 120.69 16 4 53 9.7 20.91 294.99
 69.12 10 44 59 1593.76 16.95 15.46 22.33 120.70 11 11 32 993.8 20.89 8.52
 110.88 15 54 43 609.67 16.96 301.93 22.34 120.69 16 4 53 9.7 20.91 294.99
 69.12 10 44 59 1593.76 16.95 15.46 22.33 120.70 11 11 32 993.8 20.89 8.52
 110.88 15 54 43 609.67 16.96 301.93 22.34 120.69 16 4 53 9.7 20.91 294.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.5199 TRA-2.7208 TC3 -.0611 BAU .1689 SGT 3498.9 SGR 1957.3 SG3 337.0 ST 2278.1 SR 1489.2 SS 2116.1
 RDE 1.7107 RRA-1.2482 RC3 .2653 FAU .01162 RRT .9597 RRF -.9940 RTF -.9767 CRT .9934 CRS 1.0000 CST .9935
 FDE-3.4534 FRA 2.5289 FC3 -.2168 BSP 12853 SGB 4009.1 R23 -.1364 R13 -.9879 LSA 3441.9 MSA 195.8 SSA 5.2
 BDE 3.0457 BRA 2.9934 BC3 .2723 FSP -1033 SGI 3979.8 SG2 483.8 THA 28.69 ELI 2717.9 EL2 143.7 ALF 33.10

LAUNCH DATE APR 11 1967

FLIGHT TIME 160.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 403.995

RL 149.91 LAL -.00 LOL 200.43 VL 27.293 GAL 7.78 AZL 102.78 MCA 165.41 SMA 129.40 ECC .20742 INC12.7821 V1 29.723
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.634 GAP -7.65 AZP 77.62 TAL 147.01 TAP 312.43 RCA 102.56 APO 156.24 V2 34.886
 RC 49.776 GL -52.25 GP 54.87 ZAL 64.95 ZAP 57.19 ETS 293.55 ZAE 113.01 ETE 69.68 ZAC 83.40 ETC 15.38 CLP -19.63

PLANETOCENTRIC CONIC

C3 57.260 VHL 7.567 OLA -38.26 RAL 134.58 RAD 6569.0 VEL 13.365 PTH 2.44 VHP 8.890 DPA 56.00 RAP 203.84 ECC 1.9424
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.11 9 57 3 1741.81 16.49 27.05 22.52 125.03 10 26 5 1141.8 20.95 20.46
 116.89 16 11 25 5854.17 16.50 276.03 22.54 125.02 17 49 0 5254.2 20.97 269.44
 63.11 9 57 3 1741.81 16.49 27.05 22.52 125.03 10 26 5 1141.8 20.95 20.46
 116.89 16 11 25 5854.17 16.50 276.03 22.54 125.02 17 49 0 5254.2 20.97 269.44
 63.11 9 57 3 1741.81 16.49 27.05 22.52 125.03 10 26 5 1141.8 20.95 20.46
 116.89 16 11 25 5854.17 16.50 276.03 22.54 125.02 17 49 0 5254.2 20.97 269.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.1639 TRA-2.8210 TC3 -.0833 BAU .1608 SGT 3627.1 SGR 2170.3 SG3 295.4 ST 2530.8 SR 1775.3 SS 2125.0
 RDE 2.2898 RRA-1.3195 RC3 .1929 FAU .00514 RRT .9627 RRF -.9945 RTF -.9803 CRT .9934 CRS .9999 CST .9951
 FDE-3.5579 FRA 2.1789 FC3 -.0777 BSP 13524 SGB 4226.8 R23 -.1177 R13 -.9911 LSA 3746.2 MSA 195.0 SSA 4.3
 BDE 3.9055 BRA 3.1144 BC3 .2101 FSP -910 SGI 4196.2 SG2 507.6 THA 30.44 ELI 3087.1 EL2 162.4 ALF 34.99

LAUNCH DATE APR 11 1967

FLIGHT TIME 162.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 410.542

RL 149.91 LAL -.00 LOL 200.43 VL 27.340 GAL 7.63 AZL 105.89 MCA 168.52 SMA 129.72 ECC .20355 INC15.8947 V1 29.723
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.698 GAP -7.11 AZP 74.41 TAL 146.92 TAP 315.44 RCA 103.31 APO 156.12 V2 34.897
 RC 51.201 GL -57.01 GP 63.16 ZAL 69.24 ZAP 64.41 ETS 287.93 ZAE 104.52 ETE 63.69 ZAC 78.67 ETC 8.26 CLP -16.92

PLANETOCENTRIC CONIC

C3 78.281 VHL 8.848 OLA -41.66 RAL 129.62 RAD 6569.5 VEL 14.129 PTH 2.58 VHP 10.333 DPA 59.34 RAP 219.14 ECC 2.2883
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.07 9 14 4 1881.82 14.55 37.36 22.64 129.48 9 45 26 1281.8 19.53 31.23
 121.93 16 14 48 5863.22 14.56 275.26 22.65 129.47 17 52 31 5263.2 19.55 269.13
 58.07 9 14 4 1881.82 14.55 37.36 22.64 129.48 9 45 26 1281.8 19.53 31.23
 121.93 16 14 48 5863.22 14.56 275.26 22.65 129.47 17 52 31 5263.2 19.55 269.13
 58.07 9 14 4 1881.82 14.55 37.36 22.64 129.48 9 45 26 1281.8 19.53 31.23
 121.93 16 14 48 5863.22 14.56 275.26 22.65 129.47 17 52 31 5263.2 19.55 269.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 4.3806 TRA-3.0619 TC3 -.1210 BAU .1623 SGT 3890.5 SGR 2185.6 SG3 238.1 ST 2946.4 SR 1935.0 SS 2092.4
 RDE 2.9482 RRA-1.2113 RC3 .0970 FAU-.00276 RRT .9603 RRF -.9919 RTF -.9853 CRT .9939 CRS .9995 CST .9970
 FDE-3.5501 FRA 1.7530 FC3 .0306 BSP 14286 SGB 4462.4 R23 -.0981 R13 -.9940 LSA 4094.6 MSA 195.5 SSA 3.2
 BDE 5.2803 BRA 3.2928 BC3 .1551 FSP -737 SGI 4430.2 SG2 535.5 THA 28.81 ELI 3520.5 EL2 178.2 ALF 33.23

LAUNCH DATE APR 11 1967

FLIGHT TIME 164.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 417.004

RL 149.91 LAL -.00 LOL 200.43 VL 27.382 GAL 7.50 AZL 111.25 MCA 171.57 SMA 130.01 ECC .20017 INC21.2475 V1 29.723
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.739 GAP -6.60 AZP 68.96 TAL 146.81 TAP 318.37 RCA 103.99 APO 156.03 V2 34.908
 RC 52.722 GL -61.31 GP 71.69 ZAL 74.06 ZAP 71.79 ETS 271.65 ZAE 94.80 ETE 46.83 ZAC 72.97 ETC 349.32 CLP -5.84

PLANETOCENTRIC CONIC

C3 125.784 VHL 11.215 OLA -44.12 RAL 123.36 RAD 6570.3 VEL 15.720 PTH 2.79 VHP 13.209 DPA 59.96 RAP 239.13 ECC 3.0701
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.64 8 35 4 2021.15 10.58 46.15 22.24 133.09 9 8 46 1421.1 15.98 40.49
 125.36 16 3 55 638.66 10.60 299.42 22.25 133.08 16 14 34 38.7 16.00 293.77
 54.64 8 35 4 2021.15 10.58 46.15 22.24 133.09 9 8 46 1421.1 15.98 40.49
 125.36 16 3 55 638.66 10.60 299.42 22.25 133.08 16 14 34 38.7 16.00 293.77
 54.64 8 35 4 2021.15 10.58 46.15 22.24 133.09 9 8 46 1421.1 15.98 40.49
 125.36 16 3 55 638.66 10.60 299.42 22.25 133.08 16 14 34 38.7 16.00 293.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 7.0942 TRA-3.5871 TC3 -.1902 BAU .3229 SGT 4453.4 SGR 1453.3 SG3 174.2 ST 3704.3 SR 1435.4 SS 2041.7
 RDE 2.8065 RRA-.3231 RC3 .0263 FAU-.01228 RRT .8897 RRF -.9351 RTF -.9931 CRT .9872 CRS .9936 CST .9989
 FDE-3.4568 FRA 1.3417 FC3 .0845 BSP 14858 SGB 4684.5 R23 -.0725 R13 -.9969 LSA 4461.2 MSA 219.3 SSA 2.0
 BDE 7.6292 BRA 3.6016 BC3 .1920 FSP -535 SGI 4641.0 SG2 636.7 THA 16.51 ELI 3966.9 EL2 213.8 ALF 21.00

LAUNCH DATE APR 11 1967

FLIGHT TIME 166.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

RL 149.91 LAL -.00 LOL 200.43 VL 27.420 GAL 7.42 AZL 122.36 HCA 174.46 SMA 130.28 ECC .19750 INC32.3552 V1 29.723
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.778 GAP -6.14 AZP 57.77 TAL 146.60 TAP 321.07 RCA 104.55 APO 156.01 V2 34.920
 RC 54.330 GL -63.03 GP 76.42 ZAL 79.25 ZAP 78.77 ETS 221.03 ZAE 83.00 ETE 355.73 ZAC 64.93 ETC 294.42 CLP 33.98

PLANETOCENTRIC CONIC

C3 266.584 VML 16.327 DLA -43.59 RAL 116.14 RAD 6571.6 VEL 19.695 PTH 3.12 VMP 19.653 DPA 55.02 RAP 260.38 ECC 5.3873
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 55.37 8 9 8 2135.62 4.81 50.98 21.05 133.37 8 44 44 1535.6 10.27 45.50
 124.63 15 32 14 768.38 4.83 305.64 21.07 133.37 15 45 3 168.4 10.29 300.15
 55.37 8 9 8 2135.62 4.81 50.98 21.05 133.37 8 44 44 1535.6 10.27 45.50
 124.63 15 32 14 768.38 4.83 305.64 21.07 133.37 15 45 3 168.4 10.29 300.15
 55.37 8 9 8 2135.62 4.81 50.98 21.05 133.37 8 44 44 1535.6 10.27 45.50
 124.63 15 32 14 768.38 4.83 305.64 21.07 133.37 15 45 3 168.4 10.29 300.15

DIFFERENTIAL CORRECTIONS

TOE11.2309 TRA-2.7789 TC3 -.2300 BAU 1.0426
 ROE-4.3862 RRA 3.3111 RC3 .1808 FAU-.02669
 FDE-3.4848 FRA 1.0972 FC3 .0867 BSP 15131
 BOE12.0570 BRA 4.3226 BC3 .2925 FSP -359

MID-COURSE EXECUTION ACCURACY

SGT 4231.9 SGR 2300.2 SG3 117.8
 RRT -.8906 RRF .9256 RTF -.9964
 SGB 4816.6 R23 .0165 R13 .9998
 SGI 4724.6 SG2 937.1 TMA 153.02

ORBIT DETERMINATION ACCURACY

ST 3961.8 SR 1612.8 SS 2094.2
 CRT -.9799 CRS -.9850 CST .9996
 LSA 4753.2 MSA 298.9 SSA 1.0
 ELI 4267.1 EL2 298.9 ALF 158.14

LAUNCH DATE APR 11 1967

FLIGHT TIME 168.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

RL 149.91 LAL -.00 LOL 200.43 VL 27.454 GAL 7.48 AZL 152.51 HCA 176.77 SMA 130.51 ECC .19657 INC62.5130 V1 29.723
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.814 GAP -5.87 AZP 57.52 TAL 146.03 TAP 322.81 RCA 104.86 APO 156.17 V2 34.932
 RC 56.016 GL -54.18 GP 62.74 ZAL 84.07 ZAP 84.33 ETS 184.44 ZAE 65.40 ETE 321.43 ZAC 49.14 ETC 249.12 CLP 77.54

PLANETOCENTRIC CONIC

C3 886.895 VML 29.781 DLA -32.92 RAL 110.79 RAD 6572.9 VEL 31.752 PTH 3.48 VMP 36.884 DPA 38.29 RAP 277.48 ECC15.5960
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.46 9 14 54 1984.62 -.02 34.88 20.80 122.92 9 47 59 1384.6 4.32 28.57
 107.54 13 43 46 1125.65 -.00 331.08 20.81 122.92 14 2 31 525.6 4.34 324.77
 72.46 9 14 54 1984.62 -.02 34.88 20.80 122.92 9 47 59 1384.6 4.32 28.57
 107.54 13 43 46 1125.65 -.00 331.08 20.81 122.92 14 2 31 525.6 4.34 324.77
 110.00 12 48 51 1294.70 -8.20 338.79 15.47 123.30 13 10 25 694.7 -3.76 332.52
 110.00 15 9 0 863.57 8.17 316.15 26.15 123.31 15 23 23 263.6 12.50 309.72

DIFFERENTIAL CORRECTIONS

TDE 9.6281 TRA -.0650 TC3 -.1404 BAU 4.0656
 RO-16.7845 RRA 6.7932 RC3 .3128 FAU-.07395
 FDE-4.1326 FRA 1.4310 FC3 .0722 BSP 13638
 BOE19.3499 BRA 6.7935 BC3 .3429 FSP -250

MID-COURSE EXECUTION ACCURACY

SGT 2032.4 SGR 4040.2 SG3 83.1
 RRT -.9810 RRF .9985 RTF -.9401
 SGB 4522.6 R23 -.0241 R13 .9996
 SGI 4465.6 SG2 716.3 TMA 115.56

ORBIT DETERMINATION ACCURACY

ST 1852.5 SR 3263.3 SS 2553.4
 CRT -.9900 CRS -.9998 CST .9927
 LSA 4533.0 MSA 229.1 SSA 1.3
 ELI 3745.6 EL2 227.2 ALF 119.46

LAUNCH DATE APR 11 1967

FLIGHT TIME 170.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

RL 149.91 LAL -.00 LOL 200.43 VL 27.484 GAL 6.68 AZL 31.66 HCA 183.24 SMA 130.73 ECC .18643 INC58.3421 V1 29.723
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.847 GAP -4.40 AZP 148.30 TAL 148.10 TAP 331.33 RCA 106.36 APO 155.10 V2 34.945
 RC 57.772 GL 56.08 GP -63.34 ZAL 84.46 ZAP 85.82 ETS 164.50 ZAE 79.73 ETE 36.68 ZAC 78.72 ETC 99.99 CLP 80.64

PLANETOCENTRIC CONIC

C3 784.104 VML 28.002 DLA 72.33 RAL 158.44 RAD 6572.8 VEL 30.090 PTH 3.45 VMP 36.673 DPA -86.79 RAP 327.06 ECC13.9044
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 20.17 21 17 54 5075.97 -.41 248.24 68.32 17.67 22 42 30 4476.0 -8.03 246.21
 159.83 8 0 56 3309.18 -.40 95.39 68.30 17.67 8 56 5 2709.2 -8.02 93.36
 20.17 21 17 54 5075.97 -.41 248.24 68.32 17.67 22 42 30 4476.0 -8.03 246.21
 159.83 8 0 56 3309.18 -.40 95.39 68.30 17.67 8 56 5 2709.2 -8.02 93.36
 20.17 21 17 54 5075.97 -.41 248.24 68.32 17.67 22 42 30 4476.0 -8.03 246.21
 159.83 8 0 56 3309.18 -.40 95.39 68.30 17.67 8 56 5 2709.2 -8.02 93.36

DIFFERENTIAL CORRECTIONS

TDE-5.2973 TRA-2.9779 TC3 -.1932 BAU 3.6775
 ROE-3.0847 RRA-5.2501 RC3 -.2928 FAU-.06433
 FDE 1.0042 FRA 1.2723 FC3 .0710 BSP 14623
 BOE 6.1335 BRA 6.0358 BC3 .3508 FSP -267

MID-COURSE EXECUTION ACCURACY

SGT 2525.1 SGR 3951.8 SG3 83.6
 RRT .9586 RRF -.9986 RTF -.9721
 SGB 4689.6 R23 -.0300 R13 -.9995
 SGI 4649.7 SG2 610.9 TMA 57.89

ORBIT DETERMINATION ACCURACY

ST 1240.4 SR 1237.0 SS 1044.1
 CRT .8647 CRS .9907 CST .9250
 LSA 1984.6 MSA 469.1 SSA .8
 ELI 1691.5 EL2 455.6 ALF 44.91

LAUNCH DATE APR 11 1967

FLIGHT TIME 172.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

RL 149.91 LAL -.00 LOL 200.43 VL 27.511 GAL 6.76 AZL 61.60 HCA 185.56 SMA 130.92 ECC .18606 INC28.4033 V1 29.723
 RP 108.41 LAP -2.64 LOP 23.32 VP 37.878 GAP -4.14 AZP 118.29 TAL 147.50 TAP 333.06 RCA 106.56 APO 155.28 V2 34.957
 RC 59.590 GL 64.08 GP -79.77 ZAL 79.04 ZAP 82.60 ETS 116.40 ZAE 96.23 ETE 353.24 ZAC 94.41 ETC 56.29 CLP 43.54

PLANETOCENTRIC CONIC

C3 208.770 VML 14.449 DLA 71.00 RAL 194.27 RAD 6571.2 VEL 18.168 PTH 3.02 VMP 19.440 DPA -73.83 RAP 115.71 ECC 4.4358
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 21.70 23 44 4 4941.43 -8.82 245.06 101.22 19.24 25 6 26 4341.4 -16.36 242.74
 158.30 10 20 38 3182.13 -8.81 93.79 101.20 19.24 11 13 41 2582.1 -16.35 91.47
 21.70 23 44 4 4941.43 -8.82 245.06 101.22 19.24 25 6 26 4341.4 -16.36 242.74
 158.30 10 20 38 3182.13 -8.81 93.79 101.20 19.24 11 13 41 2582.1 -16.35 91.47
 21.70 23 44 4 4941.43 -8.82 245.06 101.22 19.24 25 6 26 4341.4 -16.36 242.74
 158.30 10 20 38 3182.13 -8.81 93.79 101.20 19.24 11 13 41 2582.1 -16.35 91.47

DIFFERENTIAL CORRECTIONS

TDE 3.9031 TRA-3.8925 TC3 -.2708 BAU .7965
 ROE 2.1805 RRA -.7739 RC3 -.0901 FAU-.01631
 FDE-1.1378 FRA 1.0601 FC3 .0676 BSP 16532
 BOE 4.4726 BRA 3.9687 BC3 .2854 FSP -386

MID-COURSE EXECUTION ACCURACY

SGT 5048.6 SGR 1305.3 SG3 119.4
 RRT .9122 RRF -.9194 RTF -.9997
 SGB 5214.6 R23 .0058 R13 -.9998
 SGI 5188.6 SG2 520.3 TMA 13.41

ORBIT DETERMINATION ACCURACY

ST 2102.7 SR 909.8 SS 998.8
 CRT .9103 CRS .9236 CST .9994
 LSA 2474.6 MSA 350.8 SSA 1.1
 ELI 2264.3 EL2 349.8 ALF 22.05

LAUNCH DATE APR 11 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

RL 149.91 LAL -0.00 LOL 200.43 VL 27.535 GAL 6.74 AZL 72.64 MCA 188.47 SMA 131.09 ECC .18470 INC17.3593 V1 29.723
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.907 GAP -3.71 AZP 107.18 TAL 147.28 TAP 335.75 RCA 106.88 APO 155.30 V2 34.970
 RC 61.464 GL 60.91 GP -79.52 ZAL 72.94 ZAP 80.00 ETS 66.29 ZAE 105.53 ETE 306.48 ZAC 101.19 ETC 11.90 CLP -17.42

PLANETOCENTRIC CONIC

C3 87.167 VHL 9.336 DLA 64.89 RAL 194.79 RAD 6569.7 VEL 14.440 PTH 2.62 VMP 12.814 DPA -64.16 RAP 122.60 ECC 2.4345
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 28.81 0 5 44 4754.82 -18.54 235.93 95.76 26.58 1 24 59 4154.8 -25.65 232.38
 151.19 10 7 1 3039.01 -18.53 92.34 95.74 26.58 10 57 40 2439.0 -25.64 88.80
 28.81 0 5 44 4754.82 -18.54 235.93 95.76 26.58 1 24 59 4154.8 -25.65 232.38
 151.19 10 7 1 3039.01 -18.53 92.34 95.74 26.58 10 57 40 2439.0 -25.64 88.80
 28.81 0 5 44 4754.82 -18.54 235.93 95.76 26.58 1 24 59 4154.8 -25.65 232.38
 151.19 10 7 1 3039.01 -18.53 92.34 95.74 26.58 10 57 40 2439.0 -25.64 88.80

DIFFERENTIAL CORRECTIONS

TDE 3.0346 TRA-2.6130 TC3 -.1277 BAU .1530
 RDE-1.0498 RRA 2.2045 RC3 -.0305 FAU .00020
 FDE-1.2200 FRA 1.3782 FC3 -.0020 BSP 16849
 BDE 3.2110 BRA 3.4188 BC3 .1313 FSP -592

DISTANCE 451.036

MID-COURSE EXECUTION ACCURACY

SGT 4220.2 SGR 3253.6 SG3 184.0
 RRT -.9641 RRF .9871 RTF -.9935
 SGB 5328.8 R23 -.0113 R13 .9995
 SGI 5283.9 SG2 690.0 TMA 142.63

ORBIT DETERMINATION ACCURACY

ST 2180.3 SR 1153.3 SS 1060.9
 CRT -.9085 CRS -.9541 CST .9919
 LSA 2649.7 MSA 434.4 SSA 2.0
 EL1 2428.3 EL2 432.8 ALF 153.42

LAUNCH DATE APR 11 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

RL 149.91 LAL -0.00 LOL 200.43 VL 27.555 GAL 6.70 AZL 77.97 MCA 191.53 SMA 131.24 ECC .18331 INC12.0287 V1 29.723
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.934 GAP -3.26 AZP 101.79 TAL 147.15 TAP 338.68 RCA 107.18 APO 155.29 V2 34.983
 RC 63.388 GL 54.85 GP -74.45 ZAL 67.02 ZAP 78.51 ETS 46.30 ZAE 112.03 ETE 289.53 ZAC 105.24 ETC 357.74 CLP -42.05

PLANETOCENTRIC CONIC

C3 48.660 VHL 6.976 DLA 58.62 RAL 189.55 RAD 6568.8 VEL 13.039 PTH 2.38 VMP 9.647 DPA -57.48 RAP 126.37 ECC 1.8008
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 36.27 0 3 4 4583.74 -25.30 224.36 82.81 35.17 1 19 28 3983.7 -31.74 219.37
 143.73 9 27 53 2931.60 -25.29 89.65 82.78 35.17 10 16 45 2331.6 -31.73 84.66
 36.27 0 3 4 4583.74 -25.30 224.36 82.81 35.17 1 19 28 3983.7 -31.74 219.37
 143.73 9 27 53 2931.60 -25.29 89.65 82.78 35.17 10 16 45 2331.6 -31.73 84.66
 36.27 0 3 4 4583.74 -25.30 224.36 82.81 35.17 1 19 28 3983.7 -31.74 219.37
 143.73 9 27 53 2931.60 -25.29 89.65 82.78 35.17 10 16 45 2331.6 -31.73 84.66

DIFFERENTIAL CORRECTIONS

TDE 1.6973 TRA-1.6496 TC3 -.0423 BAU .1832
 RDE-1.2058 RRA 2.7326 RC3 -.2785 FAU .01211
 FDE-1.1534 FRA 1.8874 FC3 -.2154 BSP 16983
 BDE 2.0820 BRA 3.1919 BC3 .2817 FSP -878

MID-COURSE EXECUTION ACCURACY

SGT 2952.4 SGR 4439.4 SG3 271.2
 RRT -.9592 RRF .9966 RTF -.9765
 SGB 5331.5 R23 -.0136 R13 .9992
 SGI 5285.2 SG2 701.3 TMA 123.19

ORBIT DETERMINATION ACCURACY

ST 1597.8 SR 1628.8 SS 1085.3
 CRT -.9184 CRS -.9870 CST .9700
 LSA 2483.9 MSA 462.3 SSA 2.9
 EL1 2234.6 EL2 460.8 ALF 134.40

LAUNCH DATE APR 11 1967

FLIGHT TIME 178.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

RL 149.91 LAL -0.00 LOL 200.43 VL 27.573 GAL 6.67 AZL 81.07 MCA 194.65 SMA 131.36 ECC .18208 INC 8.9259 V1 29.723
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.959 GAP -2.79 AZP 98.64 TAL 147.05 TAP 341.70 RCA 107.44 APO 155.28 V2 34.996
 RC 65.357 GL 48.20 GP -69.66 ZAL 61.63 ZAP 78.14 ETS 35.27 ZAE 117.07 ETE 281.10 ZAC 108.28 ETC 352.36 CLP -53.76

PLANETOCENTRIC CONIC

C3 32.484 VHL 5.700 DLA 52.40 RAL 184.41 RAD 6568.3 VEL 12.404 PTH 2.24 VMP 7.842 DPA -52.18 RAP 128.57 ECC 1.5346
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 43.88 0 3 50 4437.45 -28.46 211.72 69.75 43.95 1 17 48 3837.5 -34.05 205.45
 136.12 8 46 8 2874.21 -28.44 87.31 69.74 43.94 9 34 2 2274.2 -34.04 81.03
 43.88 0 3 50 4437.45 -28.46 211.72 69.75 43.95 1 17 48 3837.5 -34.05 205.45
 136.12 8 46 8 2874.21 -28.44 87.31 69.74 43.94 9 34 2 2274.2 -34.04 81.03
 43.88 0 3 50 4437.45 -28.46 211.72 69.75 43.95 1 17 48 3837.5 -34.05 205.45
 136.12 8 46 8 2874.21 -28.44 87.31 69.74 43.94 9 34 2 2274.2 -34.04 81.03

DIFFERENTIAL CORRECTIONS

TDE 1.0575 TRA-1.1257 TC3 -.0396 BAU .2637
 RDE -.9975 RRA 2.8430 RC3 -.6059 FAU .02312
 FDE-1.1402 FRA 2.5055 FC3 -.6161 BSP 16877
 BDE 1.4537 BRA 3.0578 BC3 .6072 FSP -1215

MID-COURSE EXECUTION ACCURACY

SGT 2138.1 SGR 4839.6 SG3 375.1
 RRT -.9395 RRF .9981 RTF -.9526
 SGB 5290.8 R23 -.0107 R13 .9990
 SGI 5247.5 SG2 675.5 TMA 112.94

ORBIT DETERMINATION ACCURACY

ST 1199.8 SR 1726.4 SS 1143.4
 CRT -.8920 CRS -.9920 CST .9420
 LSA 2349.2 MSA 456.6 SSA 3.9
 EL1 2052.3 EL2 456.2 ALF 123.68

LAUNCH DATE APR 11 1967

FLIGHT TIME 180.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

RL 149.91 LAL -0.00 LOL 200.43 VL 27.588 GAL 6.64 AZL 83.10 MCA 197.80 SMA 131.47 ECC .18108 INC 6.8961 V1 29.723
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.982 GAP -2.32 AZP 96.57 TAL 146.95 TAP 344.76 RCA 107.66 APO 155.28 V2 35.009
 RC 67.365 GL 41.74 GP -65.50 ZAL 56.92 ZAP 78.79 ETS 27.09 ZAE 121.14 ETE 274.90 ZAC 110.91 ETC 349.53 CLP -62.04

PLANETOCENTRIC CONIC

C3 24.421 VHL 4.942 DLA 46.45 RAL 180.19 RAD 6568.0 VEL 12.075 PTH 2.16 VMP 6.691 DPA -47.67 RAP 129.74 ECC 1.4019
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.51 0 12 7 4306.05 -28.90 199.00 58.55 51.91 1 23 53 3706.1 -33.62 191.86
 128.49 8 4 10 2863.40 -28.88 86.68 58.54 51.90 8 51 53 2263.4 -33.61 79.54
 51.51 0 12 7 4306.05 -28.90 199.00 58.55 51.91 1 23 53 3706.1 -33.62 191.86
 128.49 8 4 10 2863.40 -28.88 86.68 58.54 51.90 8 51 53 2263.4 -33.61 79.54
 51.51 0 12 7 4306.05 -28.90 199.00 58.55 51.91 1 23 53 3706.1 -33.62 191.86
 128.49 8 4 10 2863.40 -28.88 86.68 58.54 51.90 8 51 53 2263.4 -33.61 79.54

DIFFERENTIAL CORRECTIONS

TDE .7146 TRA -.7370 TC3 -.1123 BAU .3056
 RDE -.8463 RRA 2.8689 RC3 -.9293 FAU .03360
 FDE-3.2001 FRA 3.1930 FC3-1.1913 BSP 16544
 BDE 1.1076 BRA 2.9621 BC3 .9361 FSP -1576

MID-COURSE EXECUTION ACCURACY

SGT 1495.6 SGR 5011.1 SG3 490.2
 RRT -.8937 RRF .9984 RTF -.9057
 SGB 5229.5 R23 -.0037 R13 .9988
 SGI 5189.2 SG2 648.0 TMA 105.18

ORBIT DETERMINATION ACCURACY

ST 908.2 SR 1749.6 SS 1231.2
 CRT -.8507 CRS -.9932 CST .9060
 LSA 2283.2 MSA 434.6 SSA 4.9
 EL1 1922.8 EL2 434.5 ALF 115.20

LAUNCH DATE APR 11 1967

FLIGHT TIME 182.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 476.644

RL 149.91 LAL -.00 LOL 200.43 VL 27.600 GAL 6.63 AZL 84.54 HCA 200.97 SMA 131.56 ECC .18034 INC 5.4807 V1 29.723
 RP 108.20 LAP -1.95 LOP 41.31 VP 38.003 GAP -1.85 AZP 95.10 TAL 146.85 TAP 347.82 RCA 107.83 APO 155.28 V2 35.023
 RC 69.409 GL 35.75 GP -61.85 ZAL 52.94 ZAP 80.34 ETS 20.16 ZAE 124.49 ETE 269.20 ZAC 113.42 ETC 347.61 CLP -69.15

PLANETOCENTRIC CONIC

C3 19.942 VHL 4.466 DLA 40.92 RAL 176.82 RAD 6567.8 VEL 11.888 PTH 2.11 VHP 5.905 DPA -43.64 RAP 130.18 ECC 1.3282
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.13 0 29 5 4175.91 -27.67 186.35 49.61 58.57 1 38 41 3575.9 -31.61 178.75
 120.87 7 20 21 2895.50 -27.66 88.59 49.61 58.56 8 8 36 2295.5 -31.60 81.00
 59.13 0 29 5 4175.91 -27.67 186.35 49.61 58.57 1 38 41 3575.9 -31.61 178.75
 120.87 7 20 21 2895.50 -27.66 88.59 49.61 58.56 8 8 36 2295.5 -31.60 81.00
 59.13 0 29 5 4175.91 -27.67 186.35 49.61 58.57 1 38 41 3575.9 -31.61 178.75
 120.87 7 20 21 2895.50 -27.66 88.59 49.61 58.56 8 8 36 2295.5 -31.60 81.00

DIFFERENTIAL CORRECTIONS

TOE .5002 TRA -.3866 TC3 -.2486 BAU .3328
 RDE -.7713 RRA 2.8503 RC3-1.2233 FAU .04408
 FDE-1.3406 FRA 3.9040 FC3-1.9138 BSP 16324
 BDE .9192 BRA 2.8764 BC3 1.2483 FSP -1970

MID-COURSE EXECUTION ACCURACY

SGT 944.5 SGR 5059.1 SG3 609.8
 RRT -.7470 RRF .9983 RTF -.7614
 SGB 5146.5 R23 .0063 R13 .9986
 SG1 5108.8 SG2 621.8 TMA 98.06

ORBIT DETERMINATION ACCURACY

ST 671.3 SR 1757.3 SS 1341.6
 CRT -.7805 CRS -.9934 CST .8469
 LSA 2274.9 MSA 404.4 SSA 5.9
 EL1 1837.9 EL2 401.3 ALF 107.46

LAUNCH DATE APR 11 1967

FLIGHT TIME 184.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 483.056

RL 149.91 LAL -.00 LOL 200.43 VL 27.610 GAL 6.62 AZL 85.61 HCA 204.15 SMA 131.63 ECC .17985 INC 4.3872 V1 29.723
 RP 108.16 LAP -1.79 LOP 44.51 VP 38.023 GAP -1.39 AZP 94.00 TAL 146.73 TAP 350.88 RCA 107.95 APO 155.30 V2 35.036
 RC 71.485 GL 30.31 GP -58.55 ZAL 49.64 ZAP 82.65 ETS 13.98 ZAE 127.24 ETE 263.42 ZAC 115.93 ETC 346.08 CLP -75.82

PLANETOCENTRIC CONIC

C3 17.278 VHL 4.157 DLA 55.87 RAL 174.14 RAD 6567.7 VEL 11.775 PTH 2.08 VHP 5.342 DPA -39.92 RAP 130.08 ECC 1.2844
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.99 0 57 13 4030.01 -25.57 173.02 42.73 63.94 2 4 23 3430.0 -28.86 165.23
 113.01 6 30 49 2974.13 -25.56 93.79 42.72 63.93 7 20 23 2374.1 -28.85 86.01
 66.99 0 57 13 4030.01 -25.57 173.02 42.73 63.94 2 4 23 3430.0 -28.86 165.23
 113.01 6 30 49 2974.13 -25.56 93.79 42.72 63.93 7 20 23 2374.1 -28.85 86.01
 66.99 0 57 13 4030.01 -25.57 173.02 42.73 63.94 2 4 23 3430.0 -28.86 165.23
 113.01 6 30 49 2974.13 -25.56 93.79 42.72 63.93 7 20 23 2374.1 -28.85 86.01

DIFFERENTIAL CORRECTIONS

TOE .3385 TRA -.0471 TC3 -.4456 BAU .3508
 RDE -.7373 RRA 2.8055 RC3-1.4519 FAU .05393
 FDE-1.5407 FRA 4.6161 FC3-2.7022 BSP 16038
 BDE .8113 BRA 2.8059 BC3 1.5188 FSP -2364

MID-COURSE EXECUTION ACCURACY

SGT 601.1 SGR 5026.5 SG3 729.1
 RRT -.1354 RRF .9983 RTF -.1552
 SGB 5062.3 R23 .0183 R13 .9983
 SG1 5027.1 SG2 595.5 TMA 90.94

ORBIT DETERMINATION ACCURACY

ST 467.3 SR 1756.1 SS 1464.3
 CRT -.6192 CRS -.9932 CST .7060
 LSA 2303.7 MSA 373.1 SSA 6.8
 EL1 1780.9 EL2 361.8 ALF 99.76

LAUNCH DATE APR 11 1967

FLIGHT TIME 186.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 489.456

RL 149.91 LAL -.00 LOL 200.43 VL 27.610 GAL 6.64 AZL 86.45 HCA 207.34 SMA 131.68 ECC .17961 INC 3.5500 V1 29.723
 RP 108.12 LAP -1.63 LOP 47.72 VP 38.040 GAP -.92 AZP 93.15 TAL 146.59 TAP 353.93 RCA 108.03 APO 155.33 V2 35.049
 RC 73.590 GL 25.44 GP -55.48 ZAL 46.97 ZAP 85.62 ETS 8.38 ZAE 129.45 ETE 257.38 ZAC 118.48 ETC 344.80 CLP -82.26

PLANETOCENTRIC CONIC

C3 15.634 VHL 3.954 DLA 31.33 RAL 171.99 RAD 6567.6 VEL 11.705 PTH 2.06 VHP 4.931 DPA -36.40 RAP 129.61 ECC 1.2573
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.01 1 44 58 3833.86 -23.10 156.64 37.50 68.24 2 48 52 3233.9 -25.85 148.80
 103.99 5 25 52 3124.55 -23.09 104.22 37.49 68.22 6 17 56 2524.5 -25.84 96.39
 76.01 1 44 58 3833.86 -23.10 156.64 37.50 68.24 2 48 52 3233.9 -25.85 148.80
 103.99 5 25 52 3124.55 -23.09 104.22 37.49 68.22 6 17 56 2524.5 -25.84 96.39
 110.00 7 50 7 2673.93 -32.15 73.07 40.62 77.70 8 34 43 2075.9 -33.51 64.10
 110.00 4 19 54 3330.48 -14.63 115.44 33.04 58.75 5 15 24 2730.5 -18.66 108.65

DIFFERENTIAL CORRECTIONS

TOE .1974 TRA .2903 TC3 -.6892 BAU .3658
 RDE -.7255 RRA 2.7339 RC3-1.6089 FAU .06301
 FDE-1.7881 FRA 5.2949 FC3-3.4889 BSP 15778
 BDE .7519 BRA 2.7493 BC3 1.7503 FSP -2747

MID-COURSE EXECUTION ACCURACY

SGT 788.3 SGR 4922.6 SG3 842.1
 RRT .6898 RRF .9981 RTF .6749
 SGB 4985.3 R23 .0315 R13 .9978
 SG1 4952.9 SG2 567.3 TMA 83.61

ORBIT DETERMINATION ACCURACY

ST 322.4 SR 1744.2 SS 1593.2
 CRT -.1682 CRS -.9930 CST .2835
 LSA 2359.3 MSA 343.8 SSA 7.6
 EL1 1745.1 EL2 317.7 ALF 91.84

LAUNCH DATE APR 11 1967

FLIGHT TIME 188.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 495.840

RL 149.91 LAL -.00 LOL 200.43 VL 27.623 GAL 6.66 AZL 87.12 HCA 210.53 SMA 131.72 ECC .17964 INC 2.8752 V1 29.723
 RP 108.08 LAP -1.46 LOP 50.93 VP 38.056 GAP -.46 AZP 92.48 TAL 146.44 TAP 356.97 RCA 108.06 APO 155.38 V2 35.062
 RC 75.721 GL 21.10 GP -52.53 ZAL 44.82 ZAP 89.11 ETS 3.29 ZAE 131.16 ETE 251.07 ZAC 121.10 ETC 343.74 CLP -88.54

PLANETOCENTRIC CONIC

C3 14.610 VHL 3.822 DLA 27.25 RAL 170.24 RAD 6567.6 VEL 11.662 PTH 2.05 VHP 4.630 DPA -32.99 RAP 128.88 ECC 1.2405
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 36 47 3241.06 -25.51 113.61 35.06 77.27 5 30 48 2641.1 -27.01 105.26
 90.00 2 20 8 3687.00 -15.72 142.55 31.61 66.14 3 21 35 3087.0 -18.82 135.24
 100.00 6 35 5 2859.69 -28.51 86.20 35.72 80.62 7 22 45 2259.7 -29.51 77.54
 100.00 3 4 31 3543.60 -12.96 130.66 30.25 62.83 4 3 34 2943.6 -16.50 123.66
 110.00 8 40 23 2467.59 -34.06 57.14 36.43 86.92 9 21 31 1867.6 -34.11 47.89
 110.00 3 15 42 3508.46 -8.14 125.15 27.39 56.68 4 14 11 2908.5 -12.46 118.72

DIFFERENTIAL CORRECTIONS

TOE .0617 TRA .6261 TC3 -.9627 BAU .3797
 RDE -.7200 RRA 2.6383 RC3-1.6889 FAU .07084
 FDE-2.0617 FRA 5.9131 FC3-4.1975 BSP 15545
 BDE .7227 BRA 2.7116 BC3 1.9440 FSP -3098

MID-COURSE EXECUTION ACCURACY

SGT 1290.2 SGR 4755.9 SG3 943.5
 RRT .9039 RRF .9979 RTF .8944
 SGB 4927.8 R23 .0449 R13 .9971
 SG1 4898.6 SG2 535.9 TMA 76.05

ORBIT DETERMINATION ACCURACY

ST 330.6 SR 1716.8 SS 1720.9
 CRT .5702 CRS -.9926 CST -.4665
 LSA 2432.4 MSA 318.1 SSA 8.2
 EL1 1727.3 EL2 269.9 ALF 83.58

LAUNCH DATE APR 11 1967

FLIGHT TIME 190.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 502.210

RL 149.91 LAL -.00 LOL 200.43 VL 27.626 GAL 6.70 AZL 87.68 MCA 213.73 SMA 131.75 ECC .17992 INC 2.3168 VI 29.723
 RP 108.04 LAP -1.29 LOP 54.14 VP 38.071 GAP -.00 AZP 91.93 TAL 146.27 TAP 360.00 RCA 108.04 APO 155.45 V2 35.075
 RC 77.874 GL 17.25 GP -49.66 ZAL 43.11 ZAP 93.00 ETS 358.69 ZAE 132.36 ETE 244.58 ZAC 123.75 ETC 342.96 CLP -94.64

PLANETOCENTRIC CONIC

C3 13.992 VML 3.741 DLA 23.59 RAL 168.82 RAD 6567.6 VEL 11.635 PTH 2.04 VMP 4.413 DPA -29.68 RAP 127.99 ECC 1.2303
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 45 47 2977.72 -28.10 94.81 32.46 86.31 6 35 24 2377.7 -28.31 86.15
 90.00 0 59 48 3931.22 -8.53 156.87 26.82 62.90 2 5 19 3331.2 -12.10 150.01
 100.00 7 25 54 2654.90 -29.85 71.15 32.55 88.42 8 10 9 2054.9 -29.75 62.35
 100.00 2 2 21 3729.26 -6.97 141.20 25.98 60.86 3 4 31 3129.3 -10.81 134.51
 110.00 9 11 44 2323.79 -34.02 45.92 32.47 93.55 9 50 28 1723.8 -33.15 36.79
 110.00 2 33 1 3633.14 -3.43 131.72 32.79 55.97 3 33 34 3033.1 -7.87 125.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0761 TRA .9517 TC3-1.2499 BAU .4037 SGT 1848.9 SGR 4523.6 SG3 1026.4 ST 492.0 SR 1684.7 SS 1859.2
 RDE -.7342 RRA 2.5004 RC3-1.7590 FAU .07972 RRT .9577 RRF .9976 RTF .9499 CRT .8812 CRS -.9925 CST -.8169
 FDE-2.3991 FRA 6.3883 FC3-4.9325 BSP 15872 SGB 4886.9 R23 .0595 R13 .9961 LSA 2539.1 MSA 299.5 SSA 8.5
 BDE .7381 BRA 2.6754 BC3 2.1579 FSP -3514 SGI 4861.7 SG2 495.1 TMA 68.39 EL1 1740.6 EL2 225.1 ALF 75.32

LAUNCH DATE APR 11 1967

FLIGHT TIME 192.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 508.557

RL 149.91 LAL -.00 LOL 200.43 VL 27.628 GAL 6.76 AZL 88.16 MCA 216.93 SMA 131.76 ECC .18046 INC 1.8443 VI 29.723
 RP 108.00 LAP -1.11 LOP 57.35 VP 38.084 GAP .46 AZP 91.47 TAL 146.07 TAP 3.00 RCA 107.98 APO 155.53 V2 35.088
 RC 80.046 GL 13.82 GP -46.82 ZAL 41.74 ZAP 97.18 ETS 354.61 ZAE 133.08 ETE 238.08 ZAC 126.38 ETC 342.51 CLP-100.53

PLANETOCENTRIC CONIC

C3 13.658 VML 3.696 DLA 20.32 RAL 167.66 RAD 6567.5 VEL 11.621 PTH 2.04 VMP 4.263 DPA -26.44 RAP 127.06 ECC 1.2248
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 24 0 2818.55 -28.24 83.18 29.74 92.13 7 10 58 2218.5 -27.65 74.56
 90.00 0 12 22 4079.81 -3.83 165.27 23.94 61.92 1 20 22 3479.8 -7.56 158.57
 100.00 7 58 32 2513.69 -29.66 60.67 29.66 93.93 8 40 26 1913.7 -28.80 51.97
 100.00 1 20 30 3859.90 -2.59 148.42 23.25 60.21 2 24 50 3259.9 -6.54 141.85
 110.00 9 34 58 2212.01 -33.21 37.30 29.20 98.59 10 11 50 1612.0 -31.67 28.41
 110.00 2 0 34 3734.34 .44 137.01 21.36 55.82 3 2 49 3134.3 -4.05 130.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.2171 TRA 1.2794 TC3-1.5272 BAU .4105 SGT 2421.0 SGR 4269.2 SG3 1092.1 ST 719.1 SR 1606.8 SS 1951.2
 RDE -.7007 RRA 2.3859 RC3-1.6495 FAU .08165 RRT .9758 RRF .9973 RTF .9698 CRT .9674 CRS -.9915 CST -.9265
 FDE-2.6174 FRA 6.8616 FC3-5.1754 BSP 15327 SGB 4907.8 R23 .0681 R13 .9951 LSA 2613.2 MSA 278.4 SSA 9.4
 BDE .7336 BRA 2.7075 BC3 2.2480 FSP -3637 SGI 4885.9 SG2 463.0 TMA 60.75 EL1 1752.4 EL2 166.9 ALF 66.36

LAUNCH DATE APR 11 1967

FLIGHT TIME 194.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 514.887

RL 149.91 LAL -.00 LOL 200.43 VL 27.628 GAL 6.83 AZL 88.56 MCA 220.14 SMA 131.75 ECC .18126 INC 1.4370 VI 29.723
 RP 107.96 LAP -.93 LOP 60.56 VP 38.095 GAP .92 AZP 91.10 TAL 145.84 TAP 5.99 RCA 107.87 APO 155.64 V2 35.101
 RC 82.236 GL 10.78 GP -44.03 ZAL 40.65 ZAP 101.54 ETS 351.00 ZAE 133.34 ETE 231.74 ZAC 128.92 ETC 342.44 CLP-106.15

PLANETOCENTRIC CONIC

C3 13.533 VML 3.679 DLA 17.39 RAL 166.73 RAD 6567.5 VEL 11.615 PTH 2.04 VMP 4.170 DPA -23.28 RAP 126.15 ECC 1.2227
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 51 42 2698.81 -27.63 74.48 27.48 96.45 7 36 40 2098.8 -26.45 66.01
 90.00 23 33 14 4195.52 -.11 171.73 22.06 61.68 24 43 10 3595.5 -3.89 165.09
 100.00 8 23 7 2404.01 -28.87 52.61 27.30 98.09 9 3 11 1804.0 -27.45 44.10
 100.00 0 48 26 3965.55 .99 154.22 21.46 60.12 1 54 32 3365.6 -2.99 147.69
 110.00 9 53 30 2121.20 -32.08 30.46 26.63 102.49 10 28 51 1521.2 -30.03 21.85
 110.00 1 34 32 3821.13 3.75 141.54 19.73 56.00 2 38 13 3221.1 -.73 135.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.3633 TRA 1.5892 TC3-1.7870 BAU .4291 SGT 2962.5 SGR 3972.9 SG3 1133.5 ST 962.9 SR 1526.0 SS 2046.7
 RDE -.6816 RRA 2.2379 RC3-1.5594 FAU .08446 RRT .9841 RRF .9968 RTF .9788 CRT .9899 CRS -.9907 CST -.9616
 FDE-2.8704 FRA 7.1536 FC3-5.4033 BSP 15435 SGB 4955.9 R23 .0754 R13 .9940 LSA 2715.7 MSA 264.6 SSA 9.8
 BDE .7724 BRA 2.7448 BC3 2.3717 FSP -3812 SGI 4937.8 SG2 423.1 TMA 53.42 EL1 1800.7 EL2 115.4 ALF 57.86

LAUNCH DATE APR 11 1967

FLIGHT TIME 196.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 521.197

RL 149.91 LAL -.00 LOL 200.43 VL 27.626 GAL 6.91 AZL 88.92 MCA 223.35 SMA 131.74 ECC .18232 INC 1.0802 VI 29.723
 RP 107.92 LAP -.74 LOP 63.78 VP 38.105 GAP 1.38 AZP 90.79 TAL 145.60 TAP 8.95 RCA 107.72 APO 155.76 V2 35.113
 RC 84.440 GL 8.07 GP -41.29 ZAL 39.76 ZAP 105.97 ETS 347.87 ZAE 133.18 ETE 225.74 ZAC 131.30 ETC 342.78 CLP-111.48

PLANETOCENTRIC CONIC

C3 13.572 VML 3.684 DLA 14.75 RAL 165.97 RAD 6567.5 VEL 11.617 PTH 2.04 VMP 4.125 DPA -20.23 RAP 125.31 ECC 1.2234
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 13 44 2602.72 -26.71 67.60 25.73 99.78 7 57 7 2002.7 -25.08 59.31
 90.00 23 5 11 4292.86 3.03 177.16 20.87 61.83 24 16 43 3692.9 -.76 170.53
 100.00 8 43 1 2314.77 -27.85 46.18 25.49 101.33 9 21 36 1714.8 -26.00 37.86
 100.00 0 22 30 4056.05 4.05 159.19 20.31 60.36 1 30 6 3456.1 .07 152.66
 110.00 10 9 1 2045.68 -30.83 24.92 24.67 105.54 10 43 7 1445.7 -28.40 16.57
 110.00 1 13 0 3897.90 6.66 145.58 18.69 56.40 2 17 57 3297.9 2.20 139.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.5133 TRA 1.8881 TC3-2.0155 BAU .4491 SGT 3469.1 SGR 3659.8 SG3 1151.8 ST 1211.0 SR 1430.4 SS 2124.0
 RDE -.6536 RRA 2.0846 RC3-1.4370 FAU .08531 RRT .9883 RRF .9980 RTF .9834 CRT .9974 CRS -.9894 CST -.9767
 FDE-3.0851 FRA 7.3206 FC3-5.4418 BSP 15671 SGB 5042.7 R23 .0784 R13 .9930 LSA 2821.2 MSA 254.0 SSA 10.3
 BDE .8311 BRA 2.8106 BC3 2.4753 FSP -3911 SGI 5028.1 SG2 384.3 TMA 46.55 EL1 1873.0 EL2 66.4 ALF 49.76

LAUNCH DATE APR 11 1967

FLIGHT TIME 198.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 527.485

RL 149.91 LAL -.00 LOL 200.43 VL 27.622 GAL 7.02 AZL 89.24 MCA 226.57 SMA 131.72 ECC .18363 INC .7632 VI 29.723
 RP 107.89 LAP -.55 LOP 66.99 VP 38.114 GAP 1.84 AZP 90.52 TAL 145.32 TAP 11.89 RCA 107.53 APO 155.90 V2 35.125
 RC 86.655 GL 5.65 GP -38.63 ZAL 39.02 ZAP 110.38 ETS 345.18 ZAE 132.66 ETE 220.23 ZAC 133.46 ETC 343.55 CLP -116.48

PLANETOCENTRIC CONIC

C3 13.747 VHL 3.708 DLA 12.38 RAL 165.37 RAD 6567.5 VEL 11.625 PTH 2.04 VMP 4.122 OPA -17.32 RAP 124.61 ECC 1.2262
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 32 10 2523.21 -25.66 62.01 24.43 102.40 8 14 14 1923.2 -23.70 53.89
 90.00 22 41 58 4377.98 5.75 181.94 20.18 62.23 23 54 56 3778.0 1.99 175.28
 100.00 8 59 52 2240.40 -26.74 40.93 24.15 103.88 9 37 12 1640.4 -24.57 32.80
 100.00 0 0 53 4136.02 6.72 163.62 19.65 60.81 1 9 49 3536.0 2.78 157.05
 110.00 10 22 26 1982.03 -29.58 20.39 23.23 107.96 10 55 28 1382.0 -26.85 12.27
 110.00 0 54 48 3967.15 9.26 149.27 18.11 56.95 2 0 55 3367.2 4.84 142.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.6663 TRA 2.1664 TC3-2.2070 BAU .4706 SGT 3935.2 SGR 3343.5 SG3 1148.9 ST 1456.0 SR 1324.6 SS 2182.6
 RDE -.6184 RRA 1.9316 RC3-1.2982 FAU .08444 RRT .9906 RRF .9950 RTF .9861 CRT .9997 CRS -.9877 CST -.9843
 FDE -3.2551 FRA 7.3705 FC3-3.3178 BSP 16036 SGB 5163.8 R23 .0762 R13 .9921 LSA 2928.7 MSA 246.3 SSA 10.6
 BDE .9091 BRA 2.9025 BC3 2.5605 FSP -3936 SG1 5152.0 SG2 349.5 THA 40.31 EL1 1968.2 EL2 22.8 ALF 42.30

LAUNCH DATE APR 11 1967

FLIGHT TIME 200.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 533.750

RL 149.91 LAL -.00 LOL 200.43 VL 27.617 GAL 7.13 AZL 89.52 MCA 229.79 SMA 131.68 ECC .18521 INC .4781 VI 29.723
 RP 107.85 LAP -.37 LOP 70.21 VP 38.121 GAP 2.30 AZP 90.31 TAL 145.02 TAP 14.81 RCA 107.29 APO 156.07 V2 35.137
 RC 88.880 GL 3.50 GP -36.07 ZAL 38.40 ZAP 114.70 ETS 342.88 ZAE 131.88 ETE 215.28 ZAC 135.35 ETC 344.71 CLP -121.14

PLANETOCENTRIC CONIC

C3 14.041 VHL 3.747 DLA 10.23 RAL 164.91 RAD 6567.6 VEL 11.637 PTH 2.04 VMP 4.156 OPA -14.57 RAP 124.07 ECC 1.2311
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 48 8 2456.29 -24.61 57.39 23.54 104.48 8 29 4 1856.3 -22.38 49.43
 90.00 22 22 19 4454.18 8.15 186.26 19.89 62.79 23 36 34 3854.2 4.44 179.54
 100.00 9 14 33 2177.58 -25.64 36.58 23.22 105.92 9 50 50 1577.6 -23.21 28.63
 100.00 23 38 36 4208.12 9.10 167.66 19.38 61.40 24 48 44 3608.1 5.21 161.03
 110.00 10 34 18 1927.98 -28.39 16.64 22.23 109.89 11 6 26 1328.0 -25.42 8.72
 110.00 0 39 15 4030.49 11.59 152.69 17.89 57.61 1 46 25 3430.5 7.23 146.30

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.8198 TRA 2.4353 TC3-2.3534 BAU .4915 SGT 4358.9 SGR 3034.8 SG3 1127.7 ST 1692.0 SR 1211.5 SS 2219.9
 RDE -.5756 RRA 1.7853 RC3-1.1483 FAU .08170 RRT .9916 RRF .9936 RTF .9876 CRT .9997 CRS -.9852 CST -.9886
 FDE -3.3697 FRA 7.3253 FC3-5.0372 BSP 16454 SGB 5311.3 R23 .0689 R13 .9914 LSA 3033.2 MSA 240.8 SSA 11.0
 BDE 1.0017 BRA 3.0196 BC3 2.6186 FSP -3880 SG1 5301.5 SG2 322.5 THA 34.77 EL1 2080.9 EL2 23.3 ALF 35.60

LAUNCH DATE APR 11 1967

FLIGHT TIME 202.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 539.992

RL 149.91 LAL -.00 LOL 200.43 VL 27.611 GAL 7.27 AZL 89.78 MCA 233.01 SMA 131.63 ECC .18705 INC .2186 VI 29.723
 RP 107.82 LAP -.17 LOP 73.43 VP 38.127 GAP 2.76 AZP 90.13 TAL 144.70 TAP 17.70 RCA 107.01 APO 156.25 V2 35.149
 RC 91.113 GL 1.58 GP -33.65 ZAL 37.86 ZAP 118.88 ETS 340.92 ZAE 130.89 ETE 210.92 ZAC 136.93 ETC 346.22 CLP -125.47

PLANETOCENTRIC CONIC

C3 14.444 VHL 3.800 DLA 8.29 RAL 164.57 RAD 6567.6 VEL 11.655 PTH 2.05 VMP 4.222 OPA -12.00 RAP 123.71 ECC 1.2377
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 2 15 2399.44 -23.58 53.54 22.99 106.15 8 42 14 1799.4 -21.14 45.72
 90.00 22 5 28 4523.52 10.28 190.23 19.93 63.47 23 20 52 3923.5 6.64 183.45
 100.00 9 27 36 2124.14 -24.59 32.96 22.65 107.55 10 3 1 1524.1 -21.96 25.15
 100.00 23 22 48 4274.06 11.22 171.40 19.44 62.11 24 34 2 3674.1 7.40 164.69
 110.00 10 45 0 1881.92 -27.28 13.51 21.59 111.44 11 16 22 1281.9 -24.13 5.77
 110.00 0 25 49 4089.03 13.70 155.91 17.99 58.37 1 33 58 3489.0 9.42 149.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.9760 TRA 2.6900 TC3-2.4634 BAU .5139 SGT 4739.9 SGR 2741.4 SG3 1091.9 ST 1918.3 SR 1098.7 SS 2243.0
 RDE -.5309 RRA 1.6460 RC3-1.0072 FAU .07813 RRT .9919 RRF .9918 RTF .9885 CRT .9983 CRS -.9819 CST -.9912
 FDE -3.4461 FRA 7.1918 FC3-4.6831 BSP 17022 SGB 5475.5 R23 .0572 R13 .9908 LSA 3140.4 MSA 237.1 SSA 11.3
 BDE 1.1111 BRA 3.1536 BC3 2.6613 FSP -3790 SG1 5467.2 SG2 302.4 THA 29.94 EL1 2210.0 EL2 56.2 ALF 29.78

LAUNCH DATE APR 11 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 546.209

RL 149.91 LAL -.00 LOL 200.43 VL 27.603 GAL 7.42 AZL 90.02 MCA 236.23 SMA 131.58 ECC .18916 INC .0140 VI 29.723
 RP 107.78 LAP .02 LOP 76.66 VP 38.132 GAP 3.23 AZP 89.99 TAL 144.35 TAP 20.58 RCA 106.69 APO 156.47 V2 35.160
 RC 93.352 GL -.14 GP -31.36 ZAL 37.37 ZAP 122.88 ETS 339.24 ZAE 129.77 ETE 207.15 ZAC 138.17 ETC 348.00 CLP -129.48

PLANETOCENTRIC CONIC

C3 14.950 VHL 3.867 DLA 6.53 RAL 164.33 RAD 6567.6 VEL 11.676 PTH 2.05 VMP 4.317 OPA -9.63 RAP 123.55 ECC 1.2460
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 14 58 2350.91 -22.63 50.31 22.74 107.49 8 54 9 1750.9 -20.02 42.60
 90.00 21 50 52 4587.39 12.20 193.95 20.25 64.25 23 7 19 3987.4 8.64 187.08
 100.00 9 39 25 2078.52 -23.62 29.92 22.38 108.87 10 14 4 1478.5 -20.83 22.24
 100.00 23 9 6 4335.01 13.14 174.91 19.77 62.91 24 21 21 3735.0 9.40 168.11
 110.00 10 54 47 1842.68 -26.28 10.90 21.27 112.69 11 25 30 1242.7 -22.97 3.30
 110.00 0 14 10 4143.61 15.63 158.96 18.35 59.20 1 23 13 3543.6 11.43 152.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -1.1326 TRA 2.9345 TC3-2.5336 BAU .5357 SGT 5080.6 SGR 2468.7 SG3 1045.4 ST 2131.8 SR 987.6 SS 2250.0
 RDE -.4837 RRA 1.5176 RC3-1.8743 FAU .07366 RRT .9914 RRF .9893 RTF .9890 CRT .9955 CRS -.9775 CST -.9930
 FDE -3.4786 FRA 6.9979 FC3-4.2658 BSP 17630 SGB 5648.6 R23 .0424 R13 .9904 LSA 3244.5 MSA 234.6 SSA 11.5
 BDE 1.2316 BRA 3.3037 BC3 2.6802 FSP -3655 SG1 5641.2 SG2 290.7 THA 25.80 EL1 2347.9 EL2 84.9 ALF 24.79

LAUNCH DATE APR 11 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC
 RL 149.91 LAL -.00 LOL 200.43 VL 27.594 GAL 7.59 AZL 90.24 MCA 239.45 SMA 131.51 ECC .19156 INC .2401 V1 29.723
 RP 107.75 LAP .21 LOP 79.88 VP 38.135 GAP 3.71 AZP 89.88 TAL 143.97 TAP 23.43 RCA 106.32 APO 156.71 V2 35.170
 RC 95.596 GL -1.67 GP -29.24 ZAL 36.92 ZAP 126.66 ETS 337.79 ZAE 128.59 ETE 203.92 ZAC 139.06 ETC 349.97 CLP-133.18

DISTANCE 552.399

PLANETOCENTRIC CONIC
 C3 15.559 VML 3.944 OLA 4.93 RAL 164.19 RAD 6567.6 VEL 11.702 PTH 2.06 VMP 4.438 OPA -7.47 RAP 123.58 ECC 1.2561
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 26 35 2309.45 -21.75 47.58 22.75 108.59 9 5 5 1709.4 -19.01 39.98
 90.00 21 38 7 4646.79 13.93 197.45 20.81 65.10 22 55 34 4046.8 10.46 190.49
 100.00 9 50 15 2039.59 -22.74 27.36 22.38 109.94 10 24 15 1439.6 -19.82 19.79
 100.00 22 57 9 4391.87 14.88 178.24 20.34 63.77 24 10 20 3791.9 11.23 171.34
 110.00 11 3 49 1809.36 -25.39 8.72 21.22 113.70 11 33 58 1209.4 -21.96 1.24
 110.00 0 4 0 4194.87 17.39 161.89 18.95 60.10 1 13 55 3594.9 13.28 155.19

DIFFERENTIAL CORRECTIONS
 TDE-1.2895 TRA 3.1717 TC3-2.5668 BAU .5564
 RDE -.4354 RRA 1.4016 RC3 -.7525 FAU .06857
 FDE-3.4740 FRA 6.7649 FC3-3.8152 BSP 18254
 BDE 1.3610 BRA 3.4676 BC3 2.6749 FSP -3488

MID-COURSE EXECUTION ACCURACY
 SGT 5384.4 SGR 2220.0 SG3 991.9
 RRT .9902 RRF .9861 RTF .9893
 SGB 5824.1 R23 .0267 R13 .9901
 SGI 5817.0 SG2 286.8 THA 22.27

ORBIT DETERMINATION ACCURACY
 ST 2331.7 SR 881.0 SS 2243.3
 CRT .9912 CRS -.9715 CST -.9942
 LSA 3345.3 MSA 233.0 SSA 11.7
 EL1 2490.2 EL2 108.9 ALF 20.57

LAUNCH DATE APR 11 1967

FLIGHT TIME 208.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC
 RL 149.91 LAL -.00 LOL 200.43 VL 27.584 GAL 7.78 AZL 90.45 MCA 242.68 SMA 131.44 ECC .19424 INC .4477 V1 29.723
 RP 107.72 LAP .40 LOP 83.11 VP 38.137 GAP 4.19 AZP 89.79 TAL 143.57 TAP 26.25 RCA 105.91 APO 156.97 V2 35.180
 RC 97.843 GL -3.04 GP -27.28 ZAL 36.49 ZAP 130.23 ETS 336.52 ZAE 127.58 ETE 201.18 ZAC 139.62 ETC 352.05 CLP-136.62

DISTANCE 558.561

PLANETOCENTRIC CONIC
 C3 16.272 VML 4.034 OLA 3.48 RAL 164.13 RAD 6567.7 VEL 11.733 PTH 2.07 VMP 4.582 OPA -5.51 RAP 123.81 ECC 1.2678
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 37 18 2274.12 -20.97 45.29 22.99 109.48 9 15 12 1674.1 -18.12 37.77
 90.00 21 26 57 4702.46 15.50 200.78 21.58 66.00 22 45 20 4102.5 12.13 193.73
 100.00 10 0 16 2006.51 -21.96 25.22 22.60 110.81 10 33 42 1406.5 -18.93 17.73
 100.00 22 46 40 4445.30 16.46 181.42 21.12 64.69 24 0 46 3845.3 12.91 174.42
 110.00 11 12 14 1781.25 -24.61 6.91 21.40 114.51 11 41 55 1181.3 -21.09 359.53
 110.00 23 51 12 4243.32 19.01 164.71 19.75 61.04 25 1 55 3643.3 15.00 157.89

DIFFERENTIAL CORRECTIONS
 TDE-1.4487 TRA 3.4035 TC3-2.5682 BAU .5760
 RDE -.3872 RRA 1.2977 RC3 -.6444 FAU .06318
 FDE-3.4387 FRA 6.5081 FC3-3.3612 BSP 18887
 BDE 1.4976 BRA 3.6425 BC3 2.6478 FSP -3304

MID-COURSE EXECUTION ACCURACY
 SGT 5654.3 SGR 1995.7 SG3 934.4
 RRT .9882 RRF .9821 RTF .9894
 SGB 5996.2 R23 .0118 R13 .9898
 SGI 5989.2 SG2 289.0 THA 19.27

ORBIT DETERMINATION ACCURACY
 ST 2517.4 SR 780.8 SS 2224.9
 CRT .9850 CRS -.9633 CST -.9951
 LSA 3441.4 MSA 231.8 SSA 11.9
 EL1 2632.5 EL2 129.0 ALF 17.03

LAUNCH DATE APR 11 1967

FLIGHT TIME 210.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC
 RL 149.91 LAL -.00 LOL 200.43 VL 27.573 GAL 7.99 AZL 90.64 MCA 245.91 SMA 131.36 ECC .19723 INC .6433 V1 29.723
 RP 107.69 LAP .59 LOP 86.34 VP 38.138 GAP 4.67 AZP 89.74 TAL 143.15 TAP 29.06 RCA 105.45 APO 157.27 V2 35.190
 RC 100.092 GL -4.25 GP -25.48 ZAL 36.07 ZAP 133.58 ETS 335.38 ZAE 126.20 ETE 198.86 ZAC 139.86 ETC 354.14 CLP-139.79

DISTANCE 564.694

PLANETOCENTRIC CONIC
 C3 17.094 VML 4.135 OLA 2.15 RAL 164.15 RAD 6567.7 VEL 11.768 PTH 2.08 VMP 4.748 OPA -3.77 RAP 124.23 ECC 1.2813
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 47 15 2244.20 -20.28 43.37 23.44 110.20 9 24 39 1644.2 -17.34 35.92
 90.00 21 17 9 4754.99 16.93 203.98 22.53 66.96 22 36 24 4155.0 13.66 196.82
 100.00 10 9 35 1978.60 -21.27 23.43 23.04 111.51 10 42 34 1378.6 -18.16 16.01
 100.00 22 37 30 4495.82 17.90 184.47 22.09 65.65 23 52 25 3895.8 14.47 177.37
 110.00 11 20 8 1757.81 -23.93 5.42 21.79 115.17 11 49 26 1157.8 -20.34 358.12
 110.00 23 43 26 4289.38 20.51 167.45 20.73 62.03 24 54 56 3689.4 16.60 160.50

DIFFERENTIAL CORRECTIONS
 TDE-1.6018 TRA 3.6360 TC3-2.5338 BAU .5924
 RDE -.3388 RRA 1.2066 RC3 -.5466 FAU .05733
 FDE-3.3737 FRA 6.2473 FC3-2.9036 BSP 19428
 BDE 1.6372 BRA 3.8310 BC3 2.5921 FSP -3094

MID-COURSE EXECUTION ACCURACY
 SGT 5894.3 SGR 1795.8 SG3 875.5
 RRT .9851 RRF .9770 RTF .9894
 SGB 6161.7 R23 -.0007 R13 .9895
 SGI 6154.6 SG2 296.0 THA 16.75

ORBIT DETERMINATION ACCURACY
 ST 2686.9 SR 687.5 SS 2194.5
 CRT .9758 CRS -.9519 CST -.9958
 LSA 3529.1 MSA 231.0 SSA 12.1
 EL1 2769.6 EL2 145.9 ALF 14.06

LAUNCH DATE APR 11 1967

FLIGHT TIME 212.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC
 RL 149.91 LAL -.00 LOL 200.43 VL 27.561 GAL 8.23 AZL 90.83 MCA 249.14 SMA 131.28 ECC .20052 INC .8293 V1 29.723
 RP 107.66 LAP .78 LOP 89.57 VP 38.138 GAP 5.17 AZP 89.70 TAL 142.70 TAP 31.85 RCA 104.95 APO 157.60 V2 35.199
 RC 102.344 GL -5.34 GP -23.84 ZAL 35.66 ZAP 136.72 ETS 334.33 ZAE 125.05 ETE 196.91 ZAC 139.81 ETC 356.18 CLP-142.74

DISTANCE 570.794

PLANETOCENTRIC CONIC
 C3 18.032 VML 4.246 OLA .94 RAL 164.24 RAD 6567.7 VEL 11.807 PTH 2.09 VMP 4.933 OPA -2.21 RAP 124.82 ECC 1.2968
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 56 33 2219.13 -19.68 41.77 24.07 110.78 9 33 32 1619.1 -16.68 34.38
 90.00 21 8 32 4804.83 18.23 207.06 23.66 67.95 22 28 37 4204.8 15.08 199.80
 100.00 10 18 20 1955.34 -20.68 21.95 23.65 112.07 10 50 55 1355.3 -17.51 14.60
 100.00 22 29 26 4543.85 19.22 187.43 23.22 66.66 23 45 10 3943.9 15.90 180.21
 110.00 11 27 35 1738.59 -23.37 4.21 22.37 115.68 11 56 33 1138.6 -19.72 356.97
 110.00 23 36 41 4333.37 21.89 170.12 21.89 63.06 24 48 54 3733.4 18.10 163.03

DIFFERENTIAL CORRECTIONS
 TDE-1.7605 TRA 3.8651 TC3-2.4822 BAU .6088
 RDE -.2933 RRA 1.1252 RC3 -.4652 FAU .05192
 FDE-3.2996 FRA 5.9796 FC3-2.4927 BSP 20018
 BDE 1.7847 BRA 4.0256 BC3 2.5254 FSP -2898

MID-COURSE EXECUTION ACCURACY
 SGT 6106.7 SGR 1618.2 SG3 817.0
 RRT .9809 RRF .9706 RTF .9893
 SGB 6317.4 R23 -.0115 R13 .9892
 SGI 6310.1 SG2 304.5 THA 14.61

ORBIT DETERMINATION ACCURACY
 ST 2845.1 SR 603.6 SS 2160.2
 CRT .9630 CRS -.9368 CST -.9964
 LSA 3615.6 MSA 230.2 SSA 12.2
 EL1 2904.1 EL2 159.4 ALF 11.58

LAUNCH DATE APR 11 1967

FLIGHT TIME 214.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 576.860

RL 149.91 LAL -.00 LOL 200.43 VL 27.548 GAL 8.48 AZL 91.01 HCA 252.38 SMA 131.18 ECC .20415 INC 1.0076 V1 29.723
 RP 107.63 LAP .96 LOP 92.80 VP 38.137 GAP 5.67 AZP 89.69 TAL 142.24 TAP 34.61 RCA 104.40 APO 157.97 V2 35.208
 RC 104.596 GL -6.30 GP -22.35 ZAL 35.24 ZAP 139.65 ETS 333.32 ZAE 123.95 ETE 195.26 ZAC 139.49 ETC 358.13 CLP-145.49

PLANETOCENTRIC CONIC

C3 19.094 VHL 4.370 DLA -.16 RAL 164.38 RAD 6567.8 VEL 11.852 PTH 2.10 VMP 5.137 DPA -.85 RAP 125.57 ECC 1.3142
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 5 17 2198.45 -19.17 40.46 24.87 111.24 9 41 56 1598.4 -16.12 33.12
 90.00 21 0 57 4852.37 19.42 210.04 24.94 68.98 22 21 50 4252.4 -16.39 202.68
 100.00 10 26 33 1936.30 -20.19 20.75 24.44 112.52 10 58 50 1336.3 -16.96 13.44
 100.00 22 22 22 4589.74 20.44 190.30 24.51 67.70 23 38 52 3989.7 17.23 182.97
 110.00 11 34 38 1723.22 -22.92 3.25 23.11 116.09 12 3 21 1123.2 -19.22 356.06
 110.00 23 30 47 4375.59 23.17 172.73 23.20 64.13 24 43 43 3775.6 19.50 165.51

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9210 TRA 4.0959 TC3-2.4106 BAU .6236
 RDE -.2497 RRA 1.0536 RC3 -.3954 FAU .04668
 FDE-3.2147 FRA 5.7183 FC3-2.1167 BSP 20588
 BDE 1.9371 BRA 4.2292 BC3 2.4428 FSP -2706

SGT 6294.9 SGR 1461.2 SG3 760.2
 RRT .9754 RRF .9628 RTF .9891
 SGB 6462.3 R23 -.0202 R13 .9890
 SGI 6454.7 SG2 314.0 TMA 12.79

ST 2990.7 SR 528.3 SS 2120.9
 CRT .9451 CRS -.9163 CST -.9968
 LSA 3697.1 MSA 229.4 SSA 12.3
 EL1 3032.2 EL2 170.3 ALF 9.51

LAUNCH DATE APR 11 1967

FLIGHT TIME 216.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 582.888

RL 149.91 LAL -.00 LOL 200.43 VL 27.535 GAL 8.76 AZL 91.18 HCA 255.61 SMA 131.09 ECC .20812 INC 1.1796 V1 29.723
 RP 107.61 LAP 1.14 LOP 96.04 VP 38.134 GAP 6.19 AZP 89.71 TAL 141.75 TAP 37.37 RCA 103.80 APO 158.37 V2 35.216
 RC 106.849 GL -7.15 GP -21.00 ZAL 34.82 ZAP 142.39 ETS 332.34 ZAE 122.92 ETE 193.86 ZAC 138.94 ETC 359.93 CLP-148.05

PLANETOCENTRIC CONIC

C3 20.292 VHL 4.505 DLA -1.16 RAL 164.58 RAD 6567.8 VEL 11.903 PTH 2.11 VMP 5.359 DPA .35 RAP 126.47 ECC 1.3340
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 13 31 2181.79 -18.76 39.42 25.82 111.61 9 49 53 1581.8 -15.66 32.11
 90.00 20 54 19 4897.91 20.50 212.94 26.37 70.03 22 15 57 4297.9 17.60 205.47
 100.00 10 34 19 1921.15 -19.79 19.80 25.37 112.87 11 6 21 1321.1 -16.53 12.53
 100.00 22 16 12 4633.79 21.55 193.09 25.95 68.77 23 33 26 4033.8 18.47 185.65
 110.00 11 41 20 1731.41 -22.56 2.52 24.01 116.39 12 9 51 1111.4 -18.83 355.37
 110.00 23 25 41 4416.29 24.35 175.29 24.66 65.23 24 39 17 3816.3 20.80 167.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0823 TRA 4.3320 TC3-2.3197 BAU .6358
 RDE -.2076 RRA .9910 RC3 -.3351 FAU .04159
 FDE-3.1208 FRA 5.4704 FC3-1.7746 BSP 21094
 BDE 2.0926 BRA 4.4439 BC3 2.3438 FSP -2517

SGT 6461.8 SGR 1323.0 SG3 705.9
 RRT .9684 RRF .9534 RTF .9890
 SGB 6595.9 R23 -.0268 R13 .9887
 SGI 6587.9 SG2 323.9 TMA 11.24

ST 3122.9 SR 461.4 SS 2076.9
 CRT .9198 CRS -.8883 CST -.9972
 LSA 3771.8 MSA 228.6 SSA 12.4
 EL1 3151.7 EL2 179.3 ALF 7.76

LAUNCH DATE APR 11 1967

FLIGHT TIME 218.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 588.876

RL 149.91 LAL -.00 LOL 200.43 VL 27.520 GAL 9.06 AZL 91.35 HCA 258.85 SMA 130.98 ECC .21247 INC 1.3469 V1 29.723
 RP 107.59 LAP 1.32 LOP 99.27 VP 38.130 GAP 6.71 AZP 89.74 TAL 141.25 TAP 40.10 RCA 103.15 APO 158.81 V2 35.223
 RC 109.101 GL -7.89 GP -19.77 ZAL 34.40 ZAP 144.95 ETS 331.34 ZAE 121.95 ETE 192.68 ZAC 138.18 ETC 1.58 CLP-150.45

PLANETOCENTRIC CONIC

C3 21.640 VHL 4.652 DLA -2.08 RAL 164.83 RAD 6567.9 VEL 11.959 PTH 2.13 VMP 5.599 DPA 1.38 RAP 127.50 ECC 1.3561
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 21 18 2168.86 -18.43 38.61 26.90 111.88 9 57 27 1568.9 -15.30 31.33
 90.00 20 48 31 4941.72 21.50 215.77 27.93 71.11 22 10 52 4341.7 18.72 208.20
 100.00 10 41 40 1909.58 -19.49 19.08 26.44 113.13 11 13 30 1309.6 -16.19 11.84
 100.00 22 10 49 4676.23 22.57 195.83 27.51 69.86 23 28 46 4076.2 19.62 188.28
 110.00 11 47 42 1702.90 -22.30 2.00 25.04 116.60 12 16 5 1102.9 -18.55 354.87
 110.00 23 21 17 4455.67 25.45 177.82 26.25 66.37 24 35 33 3855.7 22.03 170.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.2467 TRA 4.5735 TC3-2.2164 BAU .6465
 RDE -.1675 RRA .9358 RC3 -.2841 FAU .03684
 FDE-3.0243 FRA 5.2360 FC3-1.4738 BSP 21581
 BDE 2.2529 BRA 4.6682 BC3 2.2345 FSP -2339

SGT 6609.2 SGR 1201.1 SG3 654.6
 RRT .9595 RRF .9422 RTF .9888
 SGB 6717.5 R23 -.0318 R13 .9885
 SGI 6709.2 SG2 333.2 TMA 9.92

ST 3243.6 SR 402.9 SS 2030.8
 CRT .8849 CRS -.8505 CST -.9976
 LSA 3841.2 MSA 227.7 SSA 12.5
 EL1 3263.2 EL2 186.5 ALF 6.29

LAUNCH DATE APR 11 1967

FLIGHT TIME 220.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 594.819

RL 149.91 LAL -.00 LOL 200.43 VL 27.505 GAL 9.38 AZL 91.51 HCA 262.09 SMA 130.88 ECC .21720 INC 1.5105 V1 29.723
 RP 107.57 LAP 1.50 LOP 102.51 VP 38.126 GAP 7.26 AZP 89.79 TAL 140.74 TAP 42.82 RCA 102.45 APO 159.30 V2 35.230
 RC 111.351 GL -8.55 GP -18.66 ZAL 33.96 ZAP 147.35 ETS 330.30 ZAE 121.04 ETE 191.67 ZAC 137.24 ETC 3.06 CLP-152.71

PLANETOCENTRIC CONIC

C3 23.155 VHL 4.812 DLA -2.91 RAL 165.12 RAD 6567.9 VEL 12.022 PTH 2.15 VMP 5.856 DPA 2.26 RAP 128.65 ECC 1.3811
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 28 39 2159.39 -18.19 38.02 28.12 112.08 10 4 38 1559.4 -15.04 30.76
 90.00 20 43 28 4984.02 22.40 218.54 29.61 72.21 22 6 32 4384.0 19.76 210.86
 100.00 10 48 38 1901.38 -19.27 18.57 27.64 113.31 11 20 19 1301.4 -15.95 11.35
 100.00 22 6 10 4717.27 23.51 198.52 29.21 70.98 23 24 47 4117.3 20.69 190.86
 110.00 11 53 45 1697.49 -22.14 1.66 26.21 116.74 12 22 3 1097.5 -18.37 354.55
 110.00 23 17 31 4493.92 26.47 180.33 27.97 67.54 24 32 25 3893.9 23.19 172.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4109 TRA 4.8271 TC3-2.0955 BAU .6529
 RDE -.1283 RRA .8878 RC3 -.2392 FAU .03213
 FDE-2.9220 FRA 5.0224 FC3-1.2014 BSP 21945
 BDE 2.4143 BRA 4.9081 BC3 2.1091 FSP -2161

SGT 6740.0 SGR 1093.9 SG3 606.6
 RRT .9486 RRF .9291 RTF .9885
 SGB 6828.2 R23 -.0351 R13 .9883
 SGI 6819.6 SG2 342.0 TMA 8.77

ST 3350.4 SR 352.5 SS 1981.0
 CRT .8361 CRS -.7987 CST -.9979
 LSA 3901.5 MSA 226.7 SSA 12.5
 EL1 3363.3 EL2 192.6 ALF 5.04

LAUNCH DATE APR 12 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUN 21 1967

HELIOCENTRIC CONIC

DISTANCE 119.795

RL 149.95 LAL -1.00 LOL 201.41 VL 12.871 GAL 43.19 AZL 85.59 MCA 23.68 SMA 82.72 ECC .90535 INC 4.4050 V1 29.714
 RP 108.26 LAP 1.77 LOP 225.03 VP 29.111 GAP -63.48 AZP 85.96 TAL 174.08 TAP 197.76 RCA 7.83 APO 157.61 V2 35.006
 RC 105.528 GL 1.88 GP 2.62 ZAL 67.78 ZAP 40.13 ETS 186.47 ZAE 130.58 ETE 179.71 ZAC 163.16 ETC 94.54 CLP 40.06

PLANETOCENTRIC CONIC

C3 494.018 VHL 22.000 DLA 18.53 RAL 136.67 RAD 6572.3 VEL 24.603 PTH 3.33 VMP 34.379 DPA 26.46 RAP 84.28 ECC 8.9657
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 36 10 3455.05 -21.51 128.00 51.18 71.13 5 33 45 2855.1 -23.89 120.14
 90.00 21 41 8 4863.12 19.68 210.72 36.72 69.22 23 2 11 4263.1 16.68 203.33
 100.00 6 8 41 3156.73 -23.48 106.79 51.91 70.95 7 1 17 2556.7 -25.86 98.80
 100.00 22 51 18 4636.68 21.62 193.28 35.93 68.84 24 8 35 4036.7 18.55 185.83
 110.00 7 41 14 2867.13 -28.54 86.77 53.89 70.34 8 29 1 2267.1 -30.95 78.40
 110.00 23 35 14 4499.04 26.60 180.67 33.75 67.70 24 50 13 3899.0 23.34 173.03

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7854 TRA-2.3792 TC3 -.0976 BAU .6318 SGT 808.4 SGR 465.2 SG3 20.2 ST 283.6 SR 433.8 SS 273.0
 RDE-1.6533 RRA -.6410 RC3 -.0007 FAU .01048 RRT .0755 RRF -.0680 RTF -.6053 CRT -.6317 CRS -.6447 CST .9972
 FDE -.2586 FRA .7582 FC3 -.0187 BSP 1897 SGB 932.6 R23 .0001 R13 -.6057 LSA 530.7 MSA 247.5 SSA 14.2
 BDE 1.8303 BRA 2.4640 BC3 .0976 FSP -41 SGI 809.5 SG2 463.2 THA 3.70 EL1 478.4 EL2 199.4 ALF 117.64

LAUNCH DATE APR 12 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUN 23 1967

HELIOCENTRIC CONIC

DISTANCE 124.594

RL 149.95 LAL -1.00 LOL 201.41 VL 13.738 GAL 40.77 AZL 86.45 MCA 26.86 SMA 83.93 ECC .88400 INC 3.5505 V1 29.714
 RP 108.30 LAP 1.60 LOP 228.23 VP 29.489 GAP -60.76 AZP 86.83 TAL 173.15 TAP 200.01 RCA 9.74 APO 158.12 V2 34.992
 RC 103.096 GL 1.75 GP 2.67 ZAL 66.32 ZAP 38.60 ETS 186.69 ZAE 130.33 ETE 179.43 ZAC 163.06 ETC 89.00 CLP 38.52

PLANETOCENTRIC CONIC

C3 445.794 VHL 21.114 DLA 17.98 RAL 138.10 RAD 6572.2 VEL 23.814 PTH 3.30 VMP 33.223 DPA 26.67 RAP 86.12 ECC 8.3366
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 47 36 3426.34 -22.13 126.13 52.05 71.87 5 44 42 2826.3 -24.41 118.19
 90.00 21 41 7 4877.57 20.02 211.64 37.70 69.55 23 2 25 4277.6 17.06 204.22
 100.00 6 19 34 3129.77 -24.07 105.00 52.74 71.72 7 11 44 2529.8 -26.34 96.94
 100.00 22 51 50 4649.38 21.93 194.10 36.93 69.16 24 9 20 4049.4 18.90 186.61
 110.00 7 51 3 2843.52 -29.07 85.14 54.62 71.17 8 38 27 2243.5 -31.36 76.68
 110.00 23 36 50 4508.39 26.84 181.29 34.82 67.99 24 51 59 3908.4 23.62 173.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8058 TRA-2.4044 TC3 -.1046 BAU .6231 SGT 844.6 SGR 472.3 SG3 21.7 ST 300.6 SR 438.4 SS 288.9
 RDE-1.6026 RRA -.6455 RC3 -.0004 FAU .01045 RRT .0802 RRF -.0724 RTF -.6232 CRT -.6354 CRS -.6533 CST .9973
 FDE -.2757 FRA .7858 FC3 -.0203 BSP 2003 SGB 967.7 R23 -.0000 R13 -.6236 LSA 548.6 MSA 254.6 SSA 14.5
 BDE 1.7938 BRA 2.4896 BC3 .1046 FSP -45 SGI 845.8 SG2 470.1 THA 3.72 EL1 489.1 EL2 208.0 ALF 119.35

LAUNCH DATE APR 12 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUN 25 1967

HELIOCENTRIC CONIC

DISTANCE 129.552

RL 149.95 LAL -1.00 LOL 201.41 VL 14.563 GAL 38.62 AZL 87.13 MCA 30.04 SMA 85.18 ECC .86167 INC 2.8653 V1 29.714
 RP 108.34 LAP 1.43 LOP 231.42 VP 29.867 GAP -58.18 AZP 87.52 TAL 172.21 TAP 202.25 RCA 11.78 APO 158.58 V2 34.979
 RC 100.667 GL 1.61 GP 2.72 ZAL 64.90 ZAP 37.09 ETS 186.93 ZAE 130.13 ETE 179.13 ZAC 162.79 ETC 83.48 CLP 37.01

PLANETOCENTRIC CONIC

C3 410.802 VHL 20.268 DLA 17.42 RAL 139.48 RAD 6572.1 VEL 23.067 PTH 3.28 VMP 32.107 DPA 26.85 RAP 88.00 ECC 7.7608
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 58 44 3397.32 -22.74 124.21 52.81 72.65 5 55 22 2797.3 -24.90 116.21
 90.00 21 40 57 4891.49 20.35 212.53 38.61 69.88 23 2 29 4291.5 17.43 205.07
 100.00 6 30 11 3102.42 -24.64 103.17 53.46 72.52 7 21 54 2502.4 -26.80 95.04
 100.00 22 52 11 4661.62 22.22 194.89 37.86 69.48 24 9 53 4061.6 19.23 187.37
 110.00 8 0 38 2819.43 -29.59 83.46 55.24 72.04 8 47 38 2219.4 -31.75 74.92
 110.00 23 38 14 4517.38 27.07 181.89 35.80 68.28 24 53 31 3917.4 23.88 174.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8257 TRA-2.4303 TC3 -.1117 BAU .6134 SGT 882.0 SGR 478.9 SG3 23.3 ST 318.3 SR 442.4 SS 305.2
 RDE-1.5518 RRA -.6485 RC3 .0000 FAU .01045 RRT .0851 RRF -.0772 RTF -.6407 CRT -.6386 CRS -.6610 CST .9973
 FDE -.2931 FRA .8139 FC3 -.0220 BSP 2122 SGB 1003.6 R23 -.0003 R13 -.6411 LSA 567.2 MSA 261.4 SSA 14.7
 BDE 1.7578 BRA 2.5153 BC3 .1117 FSP -49 SGI 883.3 SG2 476.4 THA 3.73 EL1 500.1 EL2 216.7 ALF 121.15

LAUNCH DATE APR 12 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUN 27 1967

HELIOCENTRIC CONIC

DISTANCE 134.659

RL 149.95 LAL -1.00 LOL 201.41 VL 15.346 GAL 36.68 AZL 87.70 MCA 33.22 SMA 86.48 ECC .83861 INC 2.3008 V1 29.714
 RP 108.38 LAP 1.26 LOP 234.61 VP 30.241 GAP -55.73 AZP 88.07 TAL 171.26 TAP 204.48 RCA 13.96 APO 159.01 V2 34.966
 RC 98.243 GL 1.45 GP 2.78 ZAL 63.53 ZAP 35.61 ETS 187.20 ZAE 130.00 ETE 178.81 ZAC 162.36 ETC 78.11 CLP 35.52

PLANETOCENTRIC CONIC

C3 378.719 VHL 19.461 DLA 16.86 RAL 140.80 RAD 6572.0 VEL 22.361 PTH 3.25 VMP 31.026 DPA 27.03 RAP 89.90 ECC 7.2328
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 9 36 3367.97 -23.32 122.26 53.45 73.46 6 5 44 2768.0 -25.36 114.19
 90.00 21 40 37 4904.87 20.66 213.39 39.44 70.20 23 2 22 4304.9 17.78 205.90
 100.00 6 40 33 3074.68 -25.19 101.30 54.07 73.36 7 31 47 2474.7 -27.23 93.09
 100.00 22 52 22 4673.39 22.90 195.65 38.72 69.79 24 10 15 4073.4 19.55 188.10
 110.00 8 9 59 2794.84 -30.09 81.72 55.74 72.96 8 56 34 2194.8 -32.13 73.10
 110.00 23 39 25 4525.99 27.29 182.47 36.71 68.56 24 54 51 3926.0 24.13 174.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8447 TRA-2.4574 TC3 -.1192 BAU .6033 SGT 921.1 SGR 485.0 SG3 25.1 ST 336.9 SR 445.9 SS 321.9
 RDE-1.5008 RRA -.6498 RC3 .0005 FAU .01042 RRT .0902 RRF -.0822 RTF -.6576 CRT -.6410 CRS -.6679 CST .9973
 FDE -.3107 FRA .8423 FC3 -.0238 BSP 2240 SGB 1041.0 R23 -.0005 R13 -.6580 LSA 586.5 MSA 267.8 SSA 14.9
 BDE 1.7222 BRA 2.5419 BC3 .1192 FSP -53 SGI 922.6 SG2 482.3 THA 3.74 EL1 511.4 EL2 225.5 ALF 123.05

LAUNCH DATE APR 12 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUN 29 1967

HELIOCENTRIC CONIC

DISTANCE 139.905

RL 149.95 LAL -.00 LOL 201.41 VL 16.088 GAL 34.92 AZL 88.17 MCA 36.41 SMA 87.82 ECC .81503 INC 1.8249 V1 29.714
 RP 108.42 LAP 1.08 LOP 237.80 VP 30.610 GAP -53.41 AZP 88.53 TAL 170.30 TAP 206.71 RCA 16.24 APO 159.39 V2 34.953
 RC 95.826 GL 1.29 GP 2.85 ZAL 62.20 ZAP 34.16 ETS 187.49 ZAE 129.91 ETE 178.46 ZAC 161.77 ETC 72.96 CLP 34.06

PLANETOCENTRIC CONIC

C3 349.262 VML 18.689 DLA 16.28 RAL 142.06 RAD 6571.9 VEL 21.693 PTH 3.22 VHP 29.979 DPA 27.18 RAP 91.84 ECC 6.7480
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 20 10 3338.26 -23.88 120.26 53.99 74.31 6 15 49 2738.3 -25.80 112.12
 90.00 21 40 8 4917.68 20.96 214.21 40.19 70.51 23 2 6 4317.7 18.11 206.70
 100.00 6 50 39 3046.52 -25.73 99.38 54.56 74.23 7 41 25 2446.5 -27.64 91.10
 100.00 22 52 21 4684.66 22.77 196.38 39.50 70.09 24 10 26 4084.7 19.85 188.80
 110.00 8 19 6 2769.75 -30.58 79.93 56.13 73.92 9 5 16 2169.7 -32.48 71.22
 110.00 23 40 23 4534.20 27.49 183.02 37.54 68.83 24 55 57 3934.2 24.36 175.25

DIFFERENTIAL CORRECTIONS

TOE .8663 TRA-2.4819 TC3 -.1265 BAU .5907
 RDE-1.4498 RRA -.6496 RC3 .0011 FAU .01044
 FDE -.3291 FRA .8707 FC3 -.0259 BSP 2440
 BDE 1.6849 BRA 2.5655 BC3 .1265 FSP -58

MID-COURSE EXECUTION ACCURACY

SGT 960.5 SGR 490.5 SG3 26.9
 RRT .0942 RRF -.0869 RTF -.6742
 SGB 1078.5 R23 -.0013 R13 -.6746
 SGI 962.0 SG2 487.6 TMA 3.71

ORBIT DETERMINATION ACCURACY

ST 356.8 SR 448.8 SS 339.2
 CRT -.6448 CRS -.6747 CST .9973
 LSA 607.2 MSA 273.5 SSA 15.1
 EL1 523.5 EL2 233.8 ALF 125.12

LAUNCH DATE APR 12 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 1 1967

HELIOCENTRIC CONIC

DISTANCE 145.283

RL 149.95 LAL -.00 LOL 201.41 VL 16.791 GAL 33.30 AZL 88.58 MCA 39.59 SMA 89.18 ECC .79110 INC 1.4161 V1 29.714
 RP 108.46 LAP .90 LOP 240.99 VP 30.971 GAP -51.21 AZP 88.91 TAL 169.35 TAP 208.94 RCA 18.63 APO 159.74 V2 34.941
 RC 93.418 GL 1.11 GP 2.92 ZAL 60.91 ZAP 32.74 ETS 187.80 ZAE 129.89 ETE 178.09 ZAC 161.03 ETC 68.13 CLP 32.62

PLANETOCENTRIC CONIC

C3 322.186 VML 17.950 DLA 15.71 RAL 143.27 RAD 6571.8 VEL 21.059 PTH 3.19 VHP 28.964 DPA 27.32 RAP 93.80 ECC 6.3024
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 30 29 3308.16 -24.42 118.22 54.40 75.20 6 25 37 2708.2 -26.22 110.01
 90.00 21 39 29 4929.93 21.23 215.00 40.88 70.81 23 1 39 4329.9 18.42 207.46
 100.00 7 0 30 3017.90 -26.24 97.41 54.94 75.15 7 50 47 2417.9 -28.03 89.06
 100.00 22 52 10 4695.43 23.01 197.09 40.20 70.38 24 10 25 4095.4 20.13 189.48
 110.00 8 28 0 2744.12 -31.05 78.08 56.40 74.92 9 13 44 2144.1 -32.80 69.30
 110.00 23 41 9 4541.97 27.68 183.54 38.29 69.09 24 56 51 3942.0 24.58 175.74

DIFFERENTIAL CORRECTIONS

TOE .8841 TRA-2.5099 TC3 -.1344 BAU .5791
 RDE-1.3988 RRA -.6479 RC3 .0019 FAU .01045
 FDE -.3474 FRA .9000 FC3 -.0281 BSP 2576
 BDE 1.6547 BRA 2.5922 BC3 .1344 FSP -63

MID-COURSE EXECUTION ACCURACY

SGT 1002.6 SGR 495.5 SG3 28.9
 RRT .0998 RRF -.0923 RTF -.6900
 SGB 1118.4 R23 -.0016 R13 -.6904
 SGI 1004.2 SG2 492.3 TMA 3.72

ORBIT DETERMINATION ACCURACY

ST 377.1 SR 451.1 SS 356.7
 CRT -.6461 CRS -.6802 CST .9972
 LSA 628.3 MSA 279.1 SSA 15.3
 EL1 535.7 EL2 242.4 ALF 127.20

LAUNCH DATE APR 12 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 3 1967

HELIOCENTRIC CONIC

DISTANCE 150.785

RL 149.95 LAL -.00 LOL 201.41 VL 17.457 GAL 31.81 AZL 88.94 MCA 42.77 SMA 90.57 ECC .76700 INC 1.0590 V1 29.714
 RP 108.50 LAP .72 LOP 244.17 VP 31.323 GAP -49.11 AZP 89.22 TAL 168.40 TAP 211.17 RCA 21.10 APO 160.04 V2 34.929
 RC 91.019 GL .91 GP 3.00 ZAL 59.66 ZAP 31.33 ETS 188.16 ZAE 129.92 ETE 177.69 ZAC 160.15 ETC 63.65 CLP 31.20

PLANETOCENTRIC CONIC

C3 297.273 VML 17.242 DLA 15.12 RAL 144.43 RAD 6571.7 VEL 20.459 PTH 3.16 VHP 27.979 DPA 27.44 RAP 95.80 ECC 5.8924
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 40 32 3277.63 -24.93 116.13 54.71 76.12 6 35 10 2677.6 -26.60 107.86
 90.00 21 38 41 4941.62 21.49 215.76 41.48 71.11 23 1 2 4341.6 18.72 208.19
 100.00 7 10 6 2988.81 -26.74 95.38 55.20 76.11 7 59 55 2388.8 -28.38 86.97
 100.00 22 51 48 4705.68 23.25 197.76 40.82 70.66 24 10 14 4105.7 20.40 190.12
 110.00 8 36 40 2717.95 -31.49 76.17 56.56 75.97 9 21 58 2117.9 -33.10 67.31
 110.00 23 41 43 4549.31 27.86 184.04 38.96 69.34 24 57 33 3949.3 24.79 176.21

DIFFERENTIAL CORRECTIONS

TOE .9012 TRA-2.5380 TC3 -.1426 BAU .5668
 RDE-1.3478 RRA -.6449 RC3 .0027 FAU .01048
 FDE -.3661 FRA .9298 FC3 -.0305 BSP 2718
 BDE 1.6214 BRA 2.6187 BC3 .1426 FSP -69

MID-COURSE EXECUTION ACCURACY

SGT 1046.3 SGR 500.0 SG3 30.9
 RRT .1055 RRF -.0980 RTF -.7053
 SGB 1159.6 R23 -.0020 R13 -.7057
 SGI 1048.0 SG2 496.4 TMA 3.72

ORBIT DETERMINATION ACCURACY

ST 398.2 SR 452.8 SS 374.7
 CRT -.6470 CRS -.6852 CST .9971
 LSA 650.4 MSA 284.3 SSA 15.5
 EL1 548.4 EL2 250.7 ALF 129.37

LAUNCH DATE APR 12 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 5 1967

HELIOCENTRIC CONIC

DISTANCE 156.402

RL 149.95 LAL -.00 LOL 201.41 VL 18.087 GAL 30.42 AZL 89.26 MCA 45.94 SMA 91.98 ECC .74285 INC .7425 V1 29.714
 RP 108.53 LAP .53 LOP 247.35 VP 31.666 GAP -47.11 AZP 89.48 TAL 167.45 TAP 213.40 RCA 23.65 APO 160.30 V2 34.917
 RC 88.632 GL .70 GP 3.08 ZAL 58.45 ZAP 29.95 ETS 188.55 ZAE 130.00 ETE 177.25 ZAC 159.14 ETC 59.53 CLP 29.81

PLANETOCENTRIC CONIC

C3 274.330 VML 16.563 DLA 14.53 RAL 145.54 RAD 6571.6 VEL 19.891 PTH 3.13 VHP 27.023 DPA 27.54 RAP 97.81 ECC 5.5148
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 50 20 3246.63 -25.42 113.99 54.89 77.09 6 44 27 2646.6 -26.95 105.66
 90.00 21 37 42 4952.75 21.74 216.49 42.01 71.39 23 0 15 4352.8 18.99 208.89
 100.00 7 19 28 2959.20 -27.20 93.31 55.35 77.10 8 8 47 2359.2 -28.71 84.83
 100.00 22 51 15 4715.42 23.47 198.40 41.37 70.93 24 9 51 4115.4 20.65 190.74
 110.00 8 45 7 2691.19 -31.92 74.20 56.59 77.06 9 29 58 2091.2 -33.37 65.27
 110.00 23 42 5 4556.19 28.02 184.51 39.55 69.57 24 58 2 3956.2 24.98 176.65

DIFFERENTIAL CORRECTIONS

TOE .9183 TRA-2.5654 TC3 -.1509 BAU .5536
 RDE-1.2970 RRA -.6406 RC3 .0037 FAU .01052
 FDE -.3852 FRA .9601 FC3 -.0332 BSP 2882
 BDE 1.5892 BRA 2.6442 BC3 .1509 FSP -75

MID-COURSE EXECUTION ACCURACY

SGT 1091.4 SGR 503.8 SG3 33.2
 RRT .1112 RRF -.1040 RTF -.7201
 SGB 1202.1 R23 -.0027 R13 -.7205
 SGI 1093.2 SG2 499.9 TMA 3.72

ORBIT DETERMINATION ACCURACY

ST 420.4 SR 453.9 SS 393.2
 CRT -.6479 CRS -.6896 CST .9969
 LSA 673.6 MSA 288.9 SSA 15.7
 EL1 562.0 EL2 258.6 ALF 131.63

LAUNCH DATE APR 12 1967 FLIGHT TIME 86.00 ARRIVAL DATE JUL 7 1967

DISTANCE 162.128

HELIOCENTRIC CONIC
 RL 149.95 LAL -.00 LOL 201.41 VL 18.684 GAL 29.11 AZL 89.54 MCA 49.12 SMA 93.40 ECC .71878 INC .4584 V1 29.714
 RP 108.57 LAP .35 LOP 250.53 VP 31.997 GAP -45.20 AZP 89.70 TAL 166.51 TAP 215.63 RCA 26.26 APO 160.53 V2 34.905
 RC 86.259 GL .47 GP 3.18 ZAL 57.29 ZAP 28.59 ETS 188.99 ZAE 130.15 ETE 176.79 ZAC 158.01 ETC 55.78 CLP 28.43

PLANETOCENTRIC CONIC
 C3 253.189 VML 15.912 OLA 13.93 RAL 146.59 RAD 6571.5 VEL 19.352 PTH 3.10 VMP 26.095 DPA 27.62 RAP 99.85 ECC 5.1669
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 59 54 3215.13 -25.88 111.80 54.97 78.10 6 53 29 2615.1 -27.27 103.41
 90.00 21 36 33 4963.34 21.96 217.18 42.45 71.67 22 59 16 4363.3 19.26 209.55
 100.00 7 28 36 2929.05 -27.64 91.17 55.38 78.14 8 17 25 2329.0 -29.00 82.63
 100.00 22 50 32 4724.65 23.67 199.01 41.83 71.19 24 9 16 4124.7 20.88 191.32
 110.00 8 53 22 2663.83 -32.32 72.16 56.51 78.20 9 37 45 2063.8 -33.60 63.17
 110.00 23 42 15 4562.63 28.17 184.95 40.06 69.79 24 58 18 3962.6 25.16 177.07

DIFFERENTIAL CORRECTIONS
 TOE .9340 TRA-2.5931 TC3 -.1595 BAU .5402
 ROE-1.2463 RRA -.6351 RC3 .0049 FAU .01057
 FDE -.4047 FRA .9911 FC3 -.0361 BSP 3039
 BDE 1.5575 BRA 2.6698 BC3 .1596 FSP -81

MID-COURSE EXECUTION ACCURACY
 SGT 1138.5 SGR 507.1 SG3 35.6
 RRT .1174 RRF -.1103 RTF -.7343
 SGB 1246.4 R23 -.0032 R13 -.7347
 SGI 1140.5 SG2 502.7 TMA 3.72

ORBIT DETERMINATION ACCURACY
 ST 443.4 SR 454.3 SS 412.2
 CRT -.6480 CRS -.6936 CST .9967
 LSA 697.7 MSA 293.1 SSA 15.9
 EL1 576.3 EL2 266.2 ALF 133.93

LAUNCH DATE APR 12 1967 FLIGHT TIME 88.00 ARRIVAL DATE JUL 9 1967

DISTANCE 167.955

HELIOCENTRIC CONIC
 RL 149.95 LAL -.00 LOL 201.41 VL 19.247 GAL 27.89 AZL 89.80 MCA 52.30 SMA 94.82 ECC .69490 INC .2003 V1 29.714
 RP 108.60 LAP .16 LOP 258.71 VP 32.317 GAP -43.38 AZP 89.88 TAL 165.58 TAP 217.88 RCA 28.93 APO 160.72 V2 34.894
 RC 83.901 GL .22 GP 3.28 ZAL 56.17 ZAP 27.26 ETS 189.48 ZAE 130.36 ETE 176.29 ZAC 156.79 ETC 52.39 CLP 27.07

PLANETOCENTRIC CONIC
 C3 233.698 VML 15.287 OLA 13.32 RAL 147.59 RAD 6571.4 VEL 18.842 PTH 3.07 VMP 25.194 DPA 27.68 RAP 101.90 ECC 4.8461
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 9 13 3183.07 -26.31 109.55 54.92 79.14 7 2 16 2583.1 -27.55 101.10
 90.00 21 35 13 4873.38 22.78 217.84 42.82 71.93 22 58 6 4373.4 19.50 210.19
 100.00 7 37 31 2898.31 -28.05 88.98 55.30 79.23 8 25 49 2298.3 -29.25 80.38
 100.00 22 49 36 4733.38 23.86 199.59 42.22 71.44 24 8 30 4133.4 21.10 191.88
 110.00 9 1 24 2635.83 -32.69 70.06 56.31 79.40 9 45 20 2035.8 -33.81 61.01
 110.00 23 42 13 4568.62 28.31 185.36 40.48 69.99 24 58 21 3968.6 25.32 177.46

DIFFERENTIAL CORRECTIONS
 TOE .9491 TRA-2.6204 TC3 -.1683 BAU .5261
 ROE-1.1959 RRA -.6285 RC3 .0063 FAU .01064
 FDE -.4247 FRA 1.0228 FC3 -.0394 BSP 3205
 BDE 1.5267 BRA 2.6947 BC3 .1684 FSP -88

MID-COURSE EXECUTION ACCURACY
 SGT 1187.4 SGR 509.8 SG3 38.2
 RRT .1238 RRF -.1169 RTF -.7479
 SGB 1292.2 R23 -.0039 R13 -.7483
 SGI 1189.4 SG2 505.0 TMA 3.71

ORBIT DETERMINATION ACCURACY
 ST 467.4 SR 454.0 SS 431.6
 CRT -.6477 CRS -.6971 CST .9965
 LSA 722.9 MSA 296.7 SSA 16.1
 EL1 591.5 EL2 273.3 ALF 136.28

LAUNCH DATE APR 12 1967 FLIGHT TIME 90.00 ARRIVAL DATE JUL 11 1967

DISTANCE 173.877

HELIOCENTRIC CONIC
 RL 149.95 LAL -.00 LOL 201.41 VL 19.780 GAL 26.73 AZL 90.04 MCA 55.47 SMA 96.25 ECC .67129 INC .0321 V1 29.714
 RP 108.64 LAP -.03 LOP 256.88 VP 32.626 GAP -41.63 AZP 90.02 TAL 164.66 TAP 220.13 RCA 31.64 APO 160.87 V2 34.883
 RC 81.561 GL -.04 GP 3.38 ZAL 55.09 ZAP 25.94 ETS 190.04 ZAE 130.63 ETE 175.75 ZAC 155.48 ETC 49.33 CLP 25.73

PLANETOCENTRIC CONIC
 C3 215.722 VML 14.687 OLA 12.71 RAL 148.54 RAD 6571.2 VEL 18.359 PTH 3.03 VMP 24.318 DPA 27.72 RAP 103.98 ECC 4.5502
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 18 20 3150.42 -26.71 107.25 54.76 80.23 7 10 50 2550.4 -27.79 98.74
 90.00 21 33 42 4982.92 22.38 218.47 43.11 72.18 22 56 45 4382.9 19.73 210.79
 100.00 7 46 13 2866.94 -28.43 86.73 55.09 80.36 8 34 0 2266.9 -29.47 78.08
 100.00 22 48 29 4741.63 24.04 200.14 42.52 71.67 24 7 31 4141.6 21.31 192.40
 110.00 9 9 15 2607.17 -33.03 67.90 55.99 80.64 9 52 42 2007.2 -33.97 58.78
 110.00 23 41 57 4574.17 28.44 185.74 40.82 70.19 24 58 11 3974.2 25.48 177.82

DIFFERENTIAL CORRECTIONS
 TOE .9636 TRA-2.6467 TC3 -.1772 BAU .5115
 ROE-1.1457 RRA -.6208 RC3 .0079 FAU .01073
 FDE -.4453 FRA 1.0552 FC3 -.0431 BSP 3381
 BDE 1.4971 BRA 2.7186 BC3 .1774 FSP -96

MID-COURSE EXECUTION ACCURACY
 SGT 1237.9 SGR 511.8 SG3 40.9
 RRT .1306 RRF -.1240 RTF -.7610
 SGB 1339.5 R23 -.0047 R13 -.7614
 SGI 1240.1 SG2 506.5 TMA 3.71

ORBIT DETERMINATION ACCURACY
 ST 492.3 SR 453.1 SS 451.7
 CRT -.6472 CRS -.7002 CST .9962
 LSA 749.4 MSA 299.8 SSA 16.2
 EL1 607.8 EL2 279.8 ALF 138.66

LAUNCH DATE APR 12 1967 FLIGHT TIME 92.00 ARRIVAL DATE JUL 13 1967

DISTANCE 179.888

HELIOCENTRIC CONIC
 RL 149.95 LAL -.00 LOL 201.41 VL 20.284 GAL 25.64 AZL 90.25 MCA 58.64 SMA 97.68 ECC .64804 INC .2542 V1 29.714
 RP 108.67 LAP -.22 LOP 260.05 VP 32.923 GAP -39.96 AZP 90.13 TAL 163.75 TAP 222.59 RCA 34.38 APO 160.99 V2 34.872
 RC 79.241 GL -.33 GP 3.50 ZAL 54.05 ZAP 24.64 ETS 190.67 ZAE 130.97 ETE 175.16 ZAC 154.08 ETC 46.58 CLP 24.40

PLANETOCENTRIC CONIC
 C3 199.137 VML 14.112 OLA 12.08 RAL 149.44 RAD 6571.1 VEL 17.901 PTH 3.00 VMP 23.467 DPA 27.75 RAP 106.07 ECC 4.2773
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 27 13 3117.13 -27.07 104.88 54.48 81.37 7 19 11 2517.1 -27.99 96.33
 90.00 21 31 59 4991.98 22.57 219.06 43.31 72.43 22 55 11 4392.0 19.95 211.37
 100.00 7 54 44 2834.91 -28.77 84.41 54.77 81.53 8 41 59 2234.9 -29.65 75.71
 100.00 22 47 10 4749.43 24.20 200.66 42.74 71.90 24 6 19 4149.4 21.50 192.90
 110.00 9 16 54 2577.80 -33.33 65.66 55.55 81.93 9 59 52 1977.8 -34.09 56.50
 110.00 23 41 29 4579.30 28.56 186.09 41.08 70.36 24 57 48 3979.3 25.62 178.15

DIFFERENTIAL CORRECTIONS
 TOE .9774 TRA-2.6722 TC3 -.1862 BAU .4964
 ROE-1.0959 RRA -.6122 RC3 .0097 FAU .01083
 FDE -.4664 FRA 1.0884 FC3 -.0471 BSP 3566
 BDE 1.4684 BRA 2.7415 BC3 .1865 FSP -104

MID-COURSE EXECUTION ACCURACY
 SGT 1290.3 SGR 513.2 SG3 45.9
 RRT .1377 RRF -.1315 RTF -.7735
 SGB 1388.6 R23 -.0056 R13 -.7739
 SGI 1292.6 SG2 507.4 TMA 3.71

ORBIT DETERMINATION ACCURACY
 ST 518.2 SR 451.4 SS 472.3
 CRT -.6463 CRS -.7029 CST .9959
 LSA 777.0 MSA 302.3 SSA 16.4
 EL1 625.1 EL2 285.5 ALF 141.04

LAUNCH DATE APR 12 1967

FLIGHT TIME 94.00

ARRIVAL DATE JUL 15 1967

HELIOCENTRIC CONIC

DISTANCE 185.982

RL 149.95 LAL -1.00 LOL 201.41 VL 20.760 GAL 24.60 AZL 90.46 MCA 61.82 SMA 99.11 ECC .62520 INC .4586 V1 29.714
 RP 108.70 LAP -1.40 LOP 263.22 VP 33.208 GAP -38.36 AZP 90.22 TAL 162.85 TAP 224.67 RCA 37.15 APO 161.07 V2 34.862
 RC 76.944 GL -1.64 GP 3.63 ZAL 53.05 ZAP 23.36 ETS 191.40 ZAE 131.37 ETE 174.53 ZAC 152.62 ETC 44.10 CLP 23.09

PLANETOCENTRIC CONIC

C3 183.836 VML 13.559 OLA 11.45 RAL 150.29 RAD 6571.0 VEL 17.469 PTH 2.96 VMP 22.640 DPA 27.75 RAP 108.18 ECC 4.0255
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 35 55 3083.16 -27.40 102.44 54.09 82.55 7 27 19 2483.2 -28.15 93.86
 90.00 21 30 4 5000.58 22.74 219.63 43.44 72.66 22 53 24 4400.6 20.15 211.92
 100.00 8 3 3 2802.18 -29.08 82.02 54.33 82.75 8 49 45 2202.2 -29.78 73.29
 100.00 22 45 37 4756.79 24.36 201.15 42.88 72.11 24 4 54 4156.8 21.68 193.37
 110.00 9 24 22 2547.70 -33.59 63.35 54.98 83.27 10 6 50 1947.7 -34.16 54.15
 110.00 23 40 47 4584.03 28.67 186.42 41.25 70.53 24 57 11 3984.0 25.74 178.46

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9906 TRA-2.6965 TC3 -.1953 BAU .4808 SGT 1344.4 SGR 513.9 SG3 47.0 ST 545.1 SR 449.0 SS 493.5
 ROE -1.0464 RRA -.6028 RC3 .0117 FAU .01096 RRT .1451 RRF -.1395 RTF -.7856 CRT -.6452 CRS -.7053 CST .9956
 FDE -.4882 FRA 1.1225 FC3 -.0516 BSP 3764 SGB 1439.2 R23 -.0066 R13 -.7860 LSA 806.0 MSA 304.1 SSA 16.5
 BOE 1.4409 BRA 2.7631 BC3 .1956 FSP -113 SGI 1346.8 SG2 507.6 TMA 3.70 ELI 643.7 EL2 290.5 ALF 143.41

LAUNCH DATE APR 12 1967

FLIGHT TIME 96.00

ARRIVAL DATE JUL 17 1967

HELIOCENTRIC CONIC

DISTANCE 192.153

RL 149.95 LAL -1.00 LOL 201.41 VL 21.210 GAL 23.61 AZL 90.65 MCA 64.99 SMA 100.53 ECC .60283 INC .6513 V1 29.714
 RP 108.73 LAP -1.59 LOP 266.39 VP 33.481 GAP -36.82 AZP 90.28 TAL 161.97 TAP 226.96 RCA 39.93 APO 161.13 V2 34.853
 RC 74.673 GL -1.97 GP 3.77 ZAL 52.10 ZAP 22.10 ETS 192.23 ZAE 131.85 ETE 173.84 ZAC 151.10 ETC 41.87 CLP 21.79

PLANETOCENTRIC CONIC

C3 169.717 VML 13.028 OLA 10.80 RAL 151.09 RAD 6570.8 VEL 17.060 PTH 2.93 VMP 21.835 DPA 27.74 RAP 110.29 ECC 3.7931
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 44 26 3048.45 -27.68 99.94 53.58 83.77 7 35 15 2448.5 -28.25 91.32
 90.00 21 27 55 5008.79 22.91 220.18 43.48 72.88 22 51 24 4408.8 20.35 212.44
 100.00 8 11 11 2768.69 -29.34 79.57 53.78 84.02 8 57 19 2168.7 -29.86 70.80
 100.00 22 43 52 4763.78 24.90 201.62 42.93 72.32 24 3 16 4163.8 21.85 193.82
 110.00 9 31 40 2516.83 -33.81 60.96 54.30 84.67 10 13 37 1916.8 -34.18 51.74
 110.00 23 39 52 4588.40 28.77 186.72 41.34 70.68 24 56 20 3988.4 25.86 178.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0031 TRA-2.7195 TC3 -.2043 BAU .4647 SGT 1400.2 SGR 514.0 SG3 50.4 ST 573.0 SR 445.8 SS 515.5
 ROE -.9974 RRA -.5927 RC3 .0141 FAU .01110 RRT .1529 RRF -.1480 RTF -.7971 CRT -.6438 CRS -.7072 CST .9953
 FDE -.5108 FRA 1.1576 FC3 -.0566 BSP 3971 SGB 1491.6 R23 -.0078 R13 -.7975 LSA 836.2 MSA 305.4 SSA 16.7
 BOE 1.4146 BRA 2.7833 BC3 .2048 FSP -122 SGI 1402.8 SG2 507.0 TMA 3.70 ELI 663.5 EL2 294.6 ALF 145.75

LAUNCH DATE APR 12 1967

FLIGHT TIME 98.00

ARRIVAL DATE JUL 19 1967

HELIOCENTRIC CONIC

DISTANCE 198.396

RL 149.95 LAL -1.00 LOL 201.41 VL 21.635 GAL 26.67 AZL 90.83 MCA 68.15 SMA 101.93 ECC .58098 INC .8342 V1 29.714
 RP 108.76 LAP -1.77 LOP 269.56 VP 33.742 GAP -35.34 AZP 90.31 TAL 161.11 TAP 229.26 RCA 42.71 APO 161.15 V2 34.844
 RC 72.433 GL -1.33 GP 3.92 ZAL 51.18 ZAP 20.85 ETS 193.19 ZAE 132.39 ETE 173.09 ZAC 149.53 ETC 39.86 CLP 20.50

PLANETOCENTRIC CONIC

C3 156.694 VML 12.518 OLA 10.14 RAL 151.84 RAD 6570.7 VEL 16.674 PTH 2.89 VMP 21.054 DPA 27.71 RAP 112.42 ECC 3.5788
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 52 47 3012.97 -27.91 97.37 52.95 85.04 7 43 0 2413.0 -28.31 88.73
 90.00 21 25 33 5016.65 23.06 220.70 43.44 73.10 22 49 9 4416.7 20.53 212.95
 100.00 8 19 9 2734.43 -29.56 77.04 53.11 85.33 9 4 43 2134.4 -29.89 68.26
 100.00 22 41 52 4770.43 24.64 202.07 42.91 72.52 24 1 22 4170.4 22.02 194.25
 110.00 9 38 48 2485.17 -33.99 58.51 53.50 86.11 10 20 13 1885.2 -34.15 49.27
 110.00 23 38 42 4592.46 28.86 187.00 41.34 70.83 24 55 14 3992.5 25.97 179.01

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0108 TRA-2.7451 TC3 -.2144 BAU .4505 SGT 1460.0 SGR 513.5 SG3 54.1 ST 600.8 SR 441.9 SS 537.8
 ROE -.9490 RRA -.5821 RC3 .0167 FAU .01124 RRT .1628 RRF -.1578 RTF -.8077 CRT -.6399 CRS -.7083 CST .9948
 FDE -.5335 FRA 1.1944 FC3 -.0621 BSP 4088 SGB 1547.6 R23 -.0085 R13 -.8080 LSA 866.7 MSA 306.6 SSA 16.8
 BOE 1.3865 BRA 2.8062 BC3 .2150 FSP -132 SGI 1462.7 SG2 505.7 TMA 3.72 ELI 683.5 EL2 298.5 ALF 148.00

LAUNCH DATE APR 12 1967

FLIGHT TIME 100.00

ARRIVAL DATE JUL 21 1967

HELIOCENTRIC CONIC

DISTANCE 204.704

RL 149.95 LAL -1.00 LOL 201.41 VL 22.036 GAL 21.77 AZL 91.01 MCA 71.32 SMA 103.32 ECC .55970 INC 1.0090 V1 29.714
 RP 108.79 LAP -1.96 LOP 272.73 VP 33.992 GAP -33.92 AZP 90.32 TAL 160.27 TAP 231.59 RCA 45.49 APO 161.15 V2 34.835
 RC 70.227 GL -1.72 GP 4.08 ZAL 50.31 ZAP 19.63 ETS 194.31 ZAE 133.02 ETE 172.27 ZAC 147.91 ETC 38.05 CLP 19.22

PLANETOCENTRIC CONIC

C3 144.682 VML 12.028 OLA 9.47 RAL 152.54 RAD 6570.6 VEL 16.310 PTH 2.86 VMP 20.294 DPA 27.66 RAP 114.56 ECC 3.3811
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 0 58 2976.68 -28.10 94.73 52.21 86.35 7 50 34 2376.7 -28.31 86.07
 90.00 21 22 55 5024.24 23.21 221.21 43.32 73.31 22 46 40 4424.2 20.71 213.43
 100.00 8 26 57 2699.33 -29.73 74.45 52.32 86.69 9 11 57 2099.3 -29.87 65.65
 100.00 22 39 37 4776.81 24.77 202.50 42.80 72.71 23 59 14 4176.8 22.17 194.66
 110.00 9 45 47 2452.67 -34.11 55.98 52.58 87.60 10 26 39 1852.7 -34.06 46.73
 110.00 23 37 17 4596.24 28.94 187.26 41.27 70.96 24 53 53 3996.2 26.07 179.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0169 TRA-2.7701 TC3 -.2247 BAU .4363 SGT 1522.0 SGR 512.4 SG3 58.1 ST 629.3 SR 437.1 SS 560.9
 ROE -.9011 RRA -.5709 RC3 .0197 FAU .01139 RRT .1735 RRF -.1684 RTF -.8176 CRT -.6353 CRS -.7089 CST .9942
 FDE -.5571 FRA 1.2325 FC3 -.0681 BSP 4196 SGB 1605.9 R23 -.0093 R13 -.8180 LSA 898.3 MSA 307.3 SSA 17.0
 BOE 1.3588 BRA 2.8283 BC3 .2256 FSP -141 SGI 1524.9 SG2 503.6 TMA 3.75 ELI 704.3 EL2 301.6 ALF 150.19

LAUNCH DATE APR 12 1967

FLIGHT TIME 102.00

ARRIVAL DATE JUL 23 1967

HELIOCENTRIC CONIC

DISTANCE 211.073

RL 149.95 LAL -1.00 LOL 201.41 VL 22.414 GAL 20.91 AZL 91.18 MCA 74.49 SMA 104.69 ECC .53900 INC 1.1772 VI 29.714
 RP 108.81 LAP -1.13 LOP 275.89 VP 34.231 GAP -32.55 AZP 90.31 TAL 159.44 TAP 233.93 RCA 48.26 APO 161.12 V2 34.827
 RC 68.060 GL -2.13 GP 4.26 ZAL 49.49 ZAP 18.43 ETS 195.62 ZAE 133.72 ETE 171.38 ZAC 146.25 ETC 36.42 CLP 17.95

PLANETOCENTRIC CONIC

C3 133.606 VML 11.559 DLA 8.79 RAL 153.18 RAD 6570.4 VEL 15.967 PTH 2.82 VMP 19.555 DPA 27.60 RAP 116.70 ECC 3.1988
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 9 0 2939.52 -28.23 92.02 51.36 87.70 7 57 59 2339.5 -28.25 83.36
 90.00 21 20 2 5031.61 23.36 221.70 43.12 73.52 22 43 54 4431.6 20.88 213.91
 100.00 8 34 37 2663.37 -29.84 71.78 51.43 88.09 9 19 0 2063.4 -29.78 62.98
 100.00 22 37 6 4782.99 24.89 202.91 42.61 72.89 23 56 49 4183.0 22.32 195.06
 110.00 9 52 37 2419.31 -34.17 53.37 51.55 89.14 10 32 56 1819.3 -33.91 44.14
 110.00 23 35 36 4599.82 29.02 187.51 41.11 71.09 24 52 16 3999.8 26.16 179.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0211 TRA-2.7947 TC3 -.2354 BAU .4226 SGT 1586.6 SGR 510.6 SG3 62.3 ST 658.3 SR 431.5 SS 584.6
 RDE -.8539 RRA -.5594 RC3 .0231 FAU .01155 RRT .1853 RRF -.1800 RTF -.8268 CRT -.6296 CRS -.7089 CST .9935
 FDE -.5814 FRA 1.2721 FC3 -.0748 BSP 4277 SGB 1666.8 R23 -.0100 R13 -.8272 LSA 930.8 MSA 307.7 SSA 17.1
 BDE 1.3311 BRA 2.8501 BC3 .2366 FSP -151 SG1 1589.7 SG2 500.8 THA 3.79 EL1 726.0 EL2 304.0 ALF 152.32

LAUNCH DATE APR 12 1967

FLIGHT TIME 104.00

ARRIVAL DATE JUL 25 1967

HELIOCENTRIC CONIC

DISTANCE 217.503

RL 149.95 LAL -1.00 LOL 201.41 VL 22.771 GAL 20.10 AZL 91.34 MCA 77.65 SMA 106.04 ECC .51894 INC 1.3404 VI 29.714
 RP 108.83 LAP -1.31 LOP 279.06 VP 34.458 GAP -31.23 AZP 90.29 TAL 158.64 TAP 236.29 RCA 51.01 APO 161.07 V2 34.820
 RC 65.936 GL -2.58 GP 4.45 ZAL 48.70 ZAP 17.25 ETS 197.17 ZAE 134.50 ETE 170.39 ZAC 144.55 ETC 34.95 CLP 16.68

PLANETOCENTRIC CONIC

C3 123.416 VML 11.109 DLA 8.08 RAL 153.78 RAD 6570.3 VEL 15.645 PTH 2.78 VMP 18.838 DPA 27.52 RAP 118.85 ECC 3.0311
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 16 55 2901.46 -28.30 89.24 50.41 89.10 8 5 17 2301.5 -28.13 80.58
 90.00 21 16 52 5038.93 23.50 222.19 42.85 73.73 22 40 51 4438.9 21.04 214.38
 100.00 8 42 10 2626.51 -29.89 69.04 50.43 89.53 9 25 56 2026.5 -29.63 60.25
 100.00 22 34 19 4789.11 25.02 203.33 42.35 73.08 23 54 8 4189.1 22.46 195.46
 110.00 9 59 19 2385.07 -34.18 50.70 50.42 90.73 10 39 4 1785.1 -33.70 41.49
 110.00 23 33 39 4603.32 29.10 187.75 40.88 71.21 24 50 22 4003.3 26.26 179.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9638 TRA-2.8788 TC3 -.2660 BAU .4410 SGT 1686.8 SGR 509.1 SG3 67.0 ST 670.7 SR 425.8 SS 603.7
 RDE -.8086 RRA -.5491 RC3 .0264 FAU .01128 RRT .2177 RRF -.2003 RTF -.8282 CRT -.5909 CRS -.7007 CST .9888
 FDE -.5970 FRA 1.3230 FC3 -.0791 BSP 2908 SGB 1761.9 R23 -.0029 R13 -.8284 LSA 945.8 MSA 317.3 SSA 17.8
 BDE 1.2581 BRA 2.9307 BC3 .2673 FSP -142 SG1 1690.7 SG2 495.7 THA 4.11 EL1 728.8 EL2 316.1 ALF 154.25

LAUNCH DATE APR 12 1967

FLIGHT TIME 106.00

ARRIVAL DATE JUL 27 1967

HELIOCENTRIC CONIC

DISTANCE 223.968

RL 149.95 LAL -1.00 LOL 201.41 VL 23.108 GAL 19.31 AZL 91.50 MCA 80.81 SMA 107.37 ECC .49945 INC 1.4995 VI 29.714
 RP 108.85 LAP -1.48 LOP 282.22 VP 34.675 GAP -29.95 AZP 90.24 TAL 157.86 TAP 238.67 RCA 53.74 APO 160.99 V2 34.813
 RC 63.861 GL -3.06 GP 4.67 ZAL 47.97 ZAP 16.09 ETS 199.01 ZAE 135.37 ETE 169.30 ZAC 142.83 ETC 33.61 CLP 15.42

PLANETOCENTRIC CONIC

C3 113.973 VML 10.676 DLA 7.36 RAL 154.32 RAD 6570.2 VEL 15.340 PTH 2.75 VMP 18.139 DPA 27.44 RAP 121.00 ECC 2.8757
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 24 41 2862.42 -28.31 86.39 49.33 90.53 8 12 23 2262.4 -27.94 77.74
 90.00 21 13 23 5046.07 23.63 222.67 42.49 73.93 22 37 29 4446.1 21.20 214.84
 100.00 8 49 33 2588.68 -29.88 66.23 49.31 91.01 9 32 42 1988.7 -29.42 57.45
 100.00 22 31 12 4795.05 25.13 203.73 42.00 73.26 23 51 7 4195.0 22.60 195.85
 110.00 10 5 52 2349.86 -34.11 47.95 49.16 92.35 10 45 2 1749.9 -33.41 38.78
 110.00 23 31 23 4606.63 29.17 187.98 40.55 71.33 24 48 9 4006.6 26.34 179.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0876 TRA-2.7775 TC3 -.2357 BAU .3623 SGT 1689.1 SGR 504.4 SG3 71.8 ST 737.8 SR 416.8 SS 640.6
 RDE -.7596 RRA -.5345 RC3 .0315 FAU .01240 RRT .1912 RRF -.1900 RTF -.8516 CRT -.6467 CRS -.7151 CST .9950
 FDE -.6436 FRA 1.3461 FC3 -.0942 BSP 5912 SGB 1762.8 R23 -.0213 R13 -.8522 LSA 1019.8 MSA 297.0 SSA 16.9
 BDE 1.3266 BRA 2.8285 BC3 .2378 FSP -196 SG1 1692.1 SG2 494.2 THA 3.57 EL1 794.2 EL2 295.3 ALF 156.49

LAUNCH DATE APR 12 1967

FLIGHT TIME 108.00

ARRIVAL DATE JUL 29 1967

HELIOCENTRIC CONIC

DISTANCE 230.490

RL 149.95 LAL -1.00 LOL 201.41 VL 23.425 GAL 18.56 AZL 91.66 MCA 83.98 SMA 108.66 ECC .48065 INC 1.6558 VI 29.714
 RP 108.87 LAP -1.65 LOP 285.38 VP 34.881 GAP -28.73 AZP 90.17 TAL 157.10 TAP 241.07 RCA 56.44 APO 160.89 V2 34.807
 RC 61.839 GL -3.59 GP 4.90 ZAL 47.28 ZAP 14.97 ETS 201.20 ZAE 136.32 ETE 168.09 ZAC 141.07 ETC 32.40 CLP 14.16

PLANETOCENTRIC CONIC

C3 105.317 VML 10.262 DLA 6.62 RAL 154.80 RAD 6570.0 VEL 15.055 PTH 2.71 VMP 17.461 DPA 27.35 RAP 123.16 ECC 2.7333
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 32 22 2822.41 -28.25 83.48 48.17 91.99 8 19 25 2222.4 -27.68 74.84
 90.00 21 9 35 5053.43 23.77 223.17 42.06 74.14 22 33 49 4453.4 21.37 215.32
 100.00 8 56 52 2549.88 -29.80 63.35 48.10 92.52 9 39 22 1949.9 -29.13 54.61
 100.00 22 27 47 4801.19 25.25 204.15 41.58 73.45 23 47 48 4201.2 22.74 196.25
 110.00 10 12 19 2313.74 -33.98 45.14 47.82 94.01 10 50 53 1713.7 -33.05 36.02
 110.00 23 28 49 4610.09 29.24 188.22 40.16 71.46 24 45 39 4010.1 26.43 180.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0820 TRA-2.8043 TC3 -.2475 BAU .3522 SGT 1762.7 SGR 500.9 SG3 77.1 ST 767.3 SR 408.5 SS 666.7
 RDE -.7144 RRA -.5228 RC3 .0362 FAU .01258 RRT .2089 RRF -.2152 RTF -.8586 CRT -.6358 CRS -.7126 CST .9940
 FDE -.6707 FRA 1.3917 FC3 -.1034 BSP 5829 SGB 1832.5 R23 -.0214 R13 -.8591 LSA 1054.5 MSA 296.6 SSA 17.1
 BDE 1.2965 BRA 2.8526 BC3 .2501 FSP -207 SG1 1766.1 SG2 488.9 THA 3.68 EL1 817.3 EL2 296.0 ALF 158.31

LAUNCH DATE APR 12 1967

FLIGHT TIME 110.00

ARRIVAL DATE JUL 31 1967

HELIOCENTRIC CONIC

DISTANCE 237.052

RL 149.95 LAL -1.00 LOL 201.41 VL 23.724 GAL 17.84 AZL 91.81 MCA 87.14 SMA 109.93 ECC .46251 INC 1.8103 VI 29.714
 RP 108.89 LAP -1.81 LOP 288.54 VP 35.077 GAP -27.54 A7P 90.09 TAL 156.36 TAP 243.50 RCA 59.09 APO 160.78 V2 34.802
 RC 59.876 GL -4.15 GP 5.16 ZAL 46.63 ZAP 13.88 ETS 203.84 ZAE 137.35 ETE 166.74 ZAC 139.29 ETC 31.31 CLP 12.90

PLANETOCENTRIC CONIC

C3 97.352 VHL 9.867 DLA 5.85 RAL 155.24 RAD 6569.9 VEL 14.788 PTH 2.67 VMP 16.802 DPA 27.25 RAP 125.32 ECC 2.6022
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 39 59 2781.35 -28.12 80.46 46.91 93.49 8 26 20 2181.4 -27.34 71.89
 90.00 21 5 26 5061.01 23.91 223.68 41.56 74.36 22 29 47 4461.0 21.53 215.81
 100.00 9 4 6 2510.06 -29.64 60.40 46.79 94.07 9 45 56 1910.1 -28.76 51.70
 100.00 22 24 0 4807.54 25.38 204.58 41.10 73.65 23 44 8 4207.5 22.89 196.66
 110.00 10 18 41 2276.63 -33.76 42.26 46.38 95.70 10 56 37 1676.6 -32.60 33.22
 110.00 23 25 54 4613.73 29.32 188.48 39.71 71.59 24 42 48 4013.7 26.53 180.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0851 TRA-2.8196 TC3 -.2556 BAU .3370
 RDE -.6695 RRA -.5110 RC3 .0415 FAU .01287
 FDE -.7011 FRA 1.4377 FC3 -.1144 BSP 5975
 BOE 1.2750 BRA 2.8656 BC3 .2590 FSP -222

SGT 1833.2 SGR 496.8 SG3 82.9
 RRT .2248 RRF -.2319 RTF -.8662
 SGB 1899.3 R23 -.0233 R13 -.8668
 SGI 1836.8 SG2 483.2 THA 3.75

ST 800.7 SR 398.9 SS 695.0
 CRT -.6287 CRS -.7107 CST .9933
 LSA 1093.8 MSA 294.1 SSA 17.2
 EL1 844.9 EL2 294.0 ALF 160.10

LAUNCH DATE APR 12 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 2 1967

HELIOCENTRIC CONIC

DISTANCE 243.652

RL 149.95 LAL -1.00 LOL 201.41 VL 24.006 GAL 17.15 AZL 91.96 MCA 90.30 SMA 111.17 ECC .44503 INC 1.9638 VI 29.714
 RP 108.90 LAP -1.96 LOP 291.71 VP 35.264 GAP -26.40 A7P 89.99 TAL 155.66 TAP 245.95 RCA 61.70 APO 160.65 V2 34.797
 RC 57.979 GL -4.75 GP 5.44 ZAL 46.04 ZAP 12.84 ETS 207.03 ZAE 138.47 ETE 165.23 ZAC 137.48 ETC 30.31 CLP 11.65

PLANETOCENTRIC CONIC

C3 90.030 VHL 9.488 DLA 5.05 RAL 155.61 RAD 6569.8 VEL 14.539 PTH 2.64 VMP 16.163 DPA 27.15 RAP 127.47 ECC 2.4817
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 47 32 2739.22 -27.91 77.40 45.56 95.01 8 33 11 2139.2 -26.92 68.87
 90.00 21 0 53 5068.98 24.06 224.22 40.99 74.59 22 25 22 4469.0 21.71 216.33
 100.00 9 11 15 2469.18 -29.40 57.38 45.40 95.64 9 52 24 1869.2 -28.31 48.75
 100.00 22 19 51 4814.25 25.50 205.04 40.54 73.85 23 40 6 4214.3 23.04 197.10
 110.00 10 24 57 2238.52 -33.47 39.33 44.86 97.41 11 2 16 1638.5 -32.08 30.37
 110.00 23 22 39 4617.67 29.41 188.75 39.18 71.73 24 39 36 4017.7 26.63 180.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0867 TRA-2.8341 TC3 -.2637 BAU .3224
 RDE -.6252 RRA -.4997 RC3 .0474 FAU .01316
 FDE -.7331 FRA 1.4861 FC3 -.1266 BSP 6095
 BOE 1.2537 BRA 2.8779 BC3 .2679 FSP -239

SGT 1906.0 SGR 492.3 SG3 89.2
 RRT .2426 RRF -.2507 RTF -.8734
 SGB 1968.5 R23 -.0254 R13 -.8739
 SGI 1910.0 SG2 476.6 THA 3.82

ST 834.6 SR 388.3 SS 724.4
 CRT -.6200 CRS -.7077 CST .9926
 LSA 1134.4 MSA 291.2 SSA 17.4
 EL1 873.2 EL2 291.2 ALF 161.82

LAUNCH DATE APR 12 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 4 1967

HELIOCENTRIC CONIC

DISTANCE 250.283

RL 149.95 LAL -1.00 LOL 201.41 VL 24.271 GAL 16.49 AZL 92.12 MCA 93.46 SMA 112.38 ECC .42822 INC 2.1174 VI 29.714
 RP 108.92 LAP -2.11 LOP 294.87 VP 35.441 GAP -25.30 A7P 89.87 TAL 154.97 TAP 248.43 RCA 64.25 APO 160.50 V2 34.793
 RC 56.154 GL -5.41 GP 5.75 ZAL 45.50 ZAP 11.86 ETS 210.90 ZAE 139.67 ETE 163.53 ZAC 135.66 ETC 29.41 CLP 10.39

PLANETOCENTRIC CONIC

C3 83.304 VHL 9.127 DLA 4.22 RAL 155.93 RAD 6569.6 VEL 14.306 PTH 2.60 VMP 15.542 DPA 27.05 RAP 129.63 ECC 2.3710
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 55 2 2695.94 -27.61 74.27 44.13 96.55 8 39 58 2095.9 -26.41 65.81
 90.00 20 55 56 5077.50 24.21 224.79 40.36 74.84 22 20 34 4477.5 21.89 216.89
 100.00 9 18 22 2427.18 -29.08 54.30 43.93 97.23 9 58 49 1827.2 -27.78 45.74
 100.00 22 15 18 4821.49 25.64 205.53 39.93 74.08 23 35 39 4221.5 23.21 197.57
 110.00 10 31 9 2199.38 -33.08 36.34 43.26 99.15 11 7 48 1599.4 -31.47 27.48
 110.00 23 19 0 4622.06 29.50 189.06 38.59 71.89 24 36 2 4022.1 26.74 180.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0949 TRA-2.8393 TC3 -.2677 BAU .3042
 RDE -.5813 RRA -.4886 RC3 .0540 FAU .01355
 FDE -.7686 FRA 1.5356 FC3 -.1409 BSP 6395
 BOE 1.2396 BRA 2.8810 BC3 .2731 FSP -259

SGT 1976.2 SGR 487.3 SG3 95.9
 RRT .2603 RRF -.2709 RTF -.8810
 SGB 2035.4 R23 -.0288 R13 -.8816
 SGI 1980.5 SG2 469.5 THA 3.89

ST 871.8 SR 376.4 SS 756.0
 CRT -.6136 CRS -.7045 CST .9922
 LSA 1179.4 MSA 286.6 SSA 17.4
 EL1 905.5 EL2 286.1 ALF 163.46

LAUNCH DATE APR 12 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 6 1967

HELIOCENTRIC CONIC

DISTANCE 256.943

RL 149.95 LAL -1.00 LOL 201.41 VL 24.520 GAL 15.86 AZL 92.27 MCA 96.62 SMA 113.55 ECC .41208 INC 2.2720 VI 29.714
 RP 108.93 LAP -2.26 LOP 298.03 VP 35.609 GAP -24.23 A7P 89.74 TAL 154.32 TAP 250.94 RCA 66.76 APO 160.34 V2 34.790
 RC 54.407 GL -6.11 GP 6.09 ZAL 45.02 ZAP 10.96 ETS 215.61 ZAE 140.95 ETE 161.60 ZAC 133.82 ETC 28.58 CLP 9.13

PLANETOCENTRIC CONIC

C3 77.136 VHL 8.783 DLA 3.36 RAL 156.20 RAD 6569.5 VEL 14.088 PTH 2.57 VMP 14.940 DPA 26.96 RAP 131.78 ECC 2.2695
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 2 32 2651.48 -27.22 71.07 42.63 98.11 8 46 43 2051.5 -25.82 62.69
 90.00 20 50 32 5086.76 24.37 225.42 39.68 75.12 22 15 19 4486.8 22.09 217.49
 100.00 9 25 27 2384.04 -28.67 51.16 42.38 98.83 10 5 11 1784.0 -27.16 42.69
 100.00 22 10 18 4829.43 25.79 206.07 39.25 74.33 23 30 48 4229.4 23.39 198.10
 110.00 10 37 18 2159.16 -32.60 33.29 41.59 100.89 11 13 17 1559.2 -30.76 24.56
 110.00 23 14 56 4627.07 29.61 189.41 37.95 72.08 24 32 3 4027.1 26.87 181.29

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1022 TRA-2.8430 TC3 -.2709 BAU .2864
 RDE -.5379 RRA -.4782 RC3 .0613 FAU .01398
 FDE -.8066 FRA 1.5876 FC3 -.1569 BSP 6676
 BOE 1.2264 BRA 2.8829 BC3 .2777 FSP -282

SGT 2048.2 SGR 482.1 SG3 103.3
 RRT .2806 RRF -.2937 RTF -.8882
 SGB 2104.2 R23 -.0325 R13 -.8888
 SGI 2052.9 SG2 461.7 THA 3.98

ST 909.9 SR 363.2 SS 789.2
 CRT -.6055 CRS -.6999 CST .9917
 LSA 1226.0 MSA 281.5 SSA 17.4
 EL1 938.8 EL2 280.2 ALF 165.05

LAUNCH DATE APR 12 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 8 1967

HELIOCENTRIC CONIC

DISTANCE 263.628

RL 149.95 LAL -.00 LOL 201.41 VL 24.755 GAL 15.25 AZL 92.43 MCA 99.77 SMA 114.68 ECC .39660 INC 2.4285 V1 29.714
 RP 108.93 LAP -2.39 LOP 301.19 VP 35.768 GAP -23.20 AZP 89.59 TAL 153.70 TAP 253.47 RCA 69.20 APO 160.16 V2 34.787
 RC 52.748 GL -6.87 GP 6.47 ZAL 44.59 ZAP 10.17 ETS 221.30 ZAE 142.30 ETE 159.42 ZAC 131.96 ETC 27.84 CLP 7.86

PLANETOCENTRIC CONIC

C3 71.485 VML 8.455 DLA 2.46 RAL 156.40 RAD 6569.4 VEL 13.887 PTH 2.54 VMP 14.356 DPA 26.88 RAP 133.94 ECC 2.1765
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 10 2 2605.78 -26.74 67.81 41.06 99.68 8 53 28 2005.8 -25.13 59.52
 90.00 20 44 38 5096.98 24.55 226.12 38.94 75.42 22 9 35 4497.0 22.31 218.17
 100.00 9 32 32 2339.70 -28.17 47.96 40.77 100.44 10 11 31 1739.7 -26.44 39.59
 100.00 22 4 50 4838.28 25.95 206.68 38.52 74.61 23 25 28 4238.3 23.58 198.68
 110.00 10 43 25 2117.85 -32.03 30.21 39.86 102.63 11 18 42 1517.9 -29.96 21.61
 110.00 25 10 26 4632.90 29.73 189.82 37.25 72.29 24 27 39 4032.9 27.02 181.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1088 TRA-2.8451 TC3 -.2729 BAU .2691 SGT 2121.7 SGR 476.8 SG3 111.3 ST 948.6 SR 348.7 SS 824.2
 RDE -.4949 RRA -.4687 RC3 .0694 FAU .01443 RRT .3038 RRF -.3198 RTF -.8949 CRT -.5950 CRS -.6934 CST .9913
 FDE -.8473 FRA 1.6426 FC3 -.1747 BSP 6947 SGB 2174.6 R23 -.0366 R13 -.8956 LSA 1274.5 MSA 275.9 SSA 17.5
 BDE 1.2142 BRA 2.8835 BC3 .2816 FSP -306 SG1 2126.9 SG2 453.2 THA 4.09 EL1 973.1 EL2 273.2 ALF 166.59

LAUNCH DATE APR 12 1967

FLIGHT TIME 120.00

ARRIVAL DATE AUG 10 1967

HELIOCENTRIC CONIC

DISTANCE 270.335

RL 149.95 LAL -.00 LOL 201.41 VL 24.975 GAL 14.68 AZL 92.59 MCA 102.93 SMA 115.77 ECC .38178 INC 2.5880 V1 29.714
 RP 108.94 LAP -2.52 LOP 304.35 VP 35.919 GAP -22.20 AZP 89.42 TAL 153.10 TAP 256.03 RCA 71.57 APO 159.97 V2 34.786
 RC 51.183 GL -7.70 GP 6.89 ZAL 44.23 ZAP 9.52 ETS 228.09 ZAE 143.70 ETE 156.92 ZAC 130.08 ETC 27.16 CLP 6.59

PLANETOCENTRIC CONIC

C3 66.320 VML 8.144 DLA 1.52 RAL 156.54 RAD 6569.3 VEL 13.699 PTH 2.50 VMP 13.789 DPA 26.82 RAP 136.09 ECC 2.0915
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 17 35 2558.77 -26.16 64.50 39.44 101.24 9 0 14 1958.8 -24.35 56.30
 90.00 20 38 12 5108.39 24.74 226.90 38.15 75.77 22 3 20 4508.4 22.54 218.92
 100.00 9 39 38 2294.11 -27.56 44.71 39.11 102.05 10 17 52 1694.1 -25.62 36.44
 100.00 21 58 50 4848.29 26.13 207.37 37.75 74.93 23 19 38 4248.3 23.80 199.34
 110.00 10 49 30 2075.41 -31.36 27.08 38.09 104.36 11 24 6 1475.4 -29.07 18.63
 110.00 23 5 27 4639.75 29.87 190.31 36.52 72.55 24 22 47 4039.7 27.19 182.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1101 TRA-2.8505 TC3 -.2767 BAU .2549 SGT 2199.5 SGR 471.7 SG3 119.9 ST 986.1 SR 332.8 SS 860.4
 RDE -.4523 RRA -.4604 RC3 .0783 FAU .01486 RRT .3317 RRF -.3499 RTF -.9007 CRT -.5793 CRS -.6839 CST .9905
 FDE -.8902 FRA 1.7019 FC3 -.1940 BSP 7093 SGB 2249.5 R23 -.0408 R13 -.9014 LSA 1322.8 MSA 270.8 SSA 17.5
 BDE 1.1987 BRA 2.8874 BC3 .2875 FSP -330 SG1 2205.3 SG2 443.9 THA 4.24 EL1 1006.2 EL2 265.8 ALF 168.10

LAUNCH DATE APR 12 1967

FLIGHT TIME 122.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 277.059

RL 149.95 LAL -.00 LOL 201.41 VL 25.182 GAL 14.12 AZL 92.75 MCA 106.09 SMA 116.83 ECC .36760 INC 2.7516 V1 29.714
 RP 108.94 LAP -2.64 LOP 307.52 VP 36.062 GAP -21.23 AZP 89.24 TAL 152.54 TAP 258.62 RCA 73.88 APO 159.78 V2 34.784
 RC 49.723 GL -8.59 GP 7.36 ZAL 43.93 ZAP 9.06 ETS 235.99 ZAE 145.14 ETE 154.05 ZAC 128.20 ETC 26.55 CLP 5.30

PLANETOCENTRIC CONIC

C3 61.603 VML 7.849 DLA .53 RAL 156.61 RAD 6569.1 VEL 13.526 PTH 2.47 VMP 13.241 DPA 26.78 RAP 138.24 ECC 2.0138
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 25 13 2510.36 -25.47 61.12 37.77 102.80 9 7 3 1910.4 -23.46 53.03
 90.00 20 31 10 5121.27 24.95 227.78 37.33 76.16 21 56 31 4521.3 22.81 219.77
 100.00 9 46 48 2247.18 -26.85 41.40 37.41 103.66 10 24 15 1647.2 -24.71 33.26
 100.00 21 52 15 4859.68 26.33 208.16 36.94 75.30 23 13 15 4259.7 24.05 200.10
 110.00 10 55 37 2031.78 -30.58 23.92 36.28 106.08 11 29 29 1431.8 -28.07 15.62
 110.00 22 59 56 4647.85 30.03 190.88 35.74 72.85 24 17 24 4047.8 27.39 182.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1219 TRA-2.8433 TC3 -.2725 BAU .2358 SGT 2272.1 SGR 467.0 SG3 129.3 ST 1028.9 SR 315.1 SS 900.2
 RDE -.4097 RRA -.4533 RC3 .0881 FAU .01544 RRT .3607 RRF -.3829 RTF -.9073 CRT -.5649 CRS -.6723 CST .9902
 FDE -.9394 FRA 1.7621 FC3 -.2170 BSP 7486 SGB 2319.6 R23 -.0463 R13 -.9081 LSA 1378.0 MSA 263.4 SSA 17.5
 BDE 1.1944 BRA 2.8792 BC3 .2864 FSP -361 SG1 2278.5 SG2 434.3 THA 4.40 EL1 1045.2 EL2 256.0 ALF 169.55

LAUNCH DATE APR 12 1967

FLIGHT TIME 124.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 283.798

RL 149.95 LAL -.00 LOL 201.41 VL 25.376 GAL 13.59 AZL 92.92 MCA 109.25 SMA 117.85 ECC .35407 INC 2.9205 V1 29.714
 RP 108.94 LAP -2.76 LOP 310.68 VP 36.197 GAP -20.30 AZP 89.04 TAL 152.00 TAP 261.25 RCA 76.12 APO 159.58 V2 34.784
 RC 48.377 GL -9.56 GP 7.89 ZAL 43.71 ZAP 8.84 ETS 244.77 ZAE 146.59 ETE 150.74 ZAC 126.30 ETC 25.99 CLP 4.01

PLANETOCENTRIC CONIC

C3 57.309 VML 7.570 DLA -.51 RAL 156.62 RAD 6569.0 VEL 13.367 PTH 2.44 VMP 12.710 DPA 26.78 RAP 140.39 ECC 1.9432
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 32 57 2460.48 -24.68 57.68 36.06 104.35 9 13 58 1860.5 -22.46 49.71
 90.00 20 23 29 5135.91 25.19 228.79 36.47 76.62 21 49 5 4535.9 23.10 220.75
 100.00 9 54 4 2198.86 -26.03 38.05 35.67 105.24 10 30 42 1598.9 -23.68 30.03
 100.00 21 45 3 4872.77 26.55 209.07 36.10 75.73 23 6 16 4272.8 24.33 200.97
 110.00 11 1 46 1986.93 -29.69 20.73 34.44 107.78 11 34 53 1386.9 -26.97 12.60
 110.00 22 53 51 4657.47 30.22 191.57 34.94 73.21 24 11 28 4057.5 27.63 183.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1289 TRA-2.8395 TC3 -.2697 BAU .2201 SGT 2348.6 SGR 463.2 SG3 139.6 ST 1070.5 SR 295.9 SS 941.8
 RDE -.3671 RRA -.4479 RC3 .0989 FAU .01601 RRT .3953 RRF -.4211 RTF -.9130 CRT -.5427 CRS -.6552 CST .9897
 FDE -.9917 FRA 1.8273 FC3 -.2418 BSP 7743 SGB 2393.8 R23 -.0523 R13 -.9138 LSA 1433.3 MSA 256.6 SSA 17.5
 BDE 1.1871 BRA 2.8746 BC3 .2873 FSP -392 SG1 2355.9 SG2 424.1 THA 4.61 EL1 1083.1 EL2 245.7 ALF 171.00

LAUNCH DATE APR 12 1967

FLIGHT TIME 126.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 290.549

RL 149.95 LAL -.00 LOL 201.41 VL 25.557 GAL 13.09 AZL 93.10 MCA 112.40 SMA 118.83 ECC .34117 INC 3.0960 V1 29.714
 RP 108.94 LAP -2.86 LOP 313.84 VP 36.325 GAP -19.39 A7P 88.82 TAL 151.50 TAP 263.90 RCA 78.29 APO 159.37 V2 34.784
 RC 47.155 GL -10.60 GP 8.47 ZAL 43.56 ZAP 8.89 ETS 254.01 ZAE 148.02 ETE 146.93 ZAC 124.39 ETC 25.49 CLP 2.69

PLANETOCENTRIC CONIC

C3 53.410 VML 7.308 DLA -1.61 RAL 156.56 RAD 6568.9 VEL 13.220 PTH 2.42 VMP 12.196 DPA 26.81 RAP 142.54 ECC 1.8790
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 40 52 2409.02 -23.76 54.19 34.34 105.87 9 21 1 1809.0 -21.36 46.34
 90.00 20 15 4 5152.66 25.45 229.95 35.59 77.14 21 40 57 4552.7 23.42 221.87
 100.00 10 1 27 2149.04 -25.09 34.64 33.91 106.80 10 37 16 1549.0 -22.55 26.76
 100.00 21 37 10 4887.88 26.80 210.12 35.24 76.23 22 58 38 4287.9 24.64 201.99
 110.00 11 7 59 1940.78 -28.68 17.52 32.59 109.44 11 40 20 1340.8 -25.76 9.55
 110.00 22 47 7 4668.90 30.45 192.38 34.12 73.65 24 4 56 4068.9 27.91 184.11

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1354 TRA-2.8346 TC3 -.2657 BAU .2055
 RDE -.3243 RRA -.4444 RC3 .1106 FAU .01661
 FDE-1.0488 FRA 1.8967 FC3 -.2692 BSP 7977
 BDE 1.1808 BRA 2.8692 BC3 .2878 FSP -425

SGT 2426.0 SGR 460.7 SG3 150.7
 RRT .4347 RRF -.4642 RTF -.9182
 SGB 2469.4 R23 -.0590 R13 -.9191
 SG1 2434.5 SG2 413.5 TMA 4.86

ST 1112.3 SR 274.9 SS 985.9
 CRT -.5121 CRS -.6310 CST .9891
 LSA 1490.7 MSA 249.7 SSA 17.4
 EL1 1121.6 EL2 234.2 ALF 172.46

LAUNCH DATE APR 12 1967

FLIGHT TIME 128.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 297.308

RL 149.95 LAL -.00 LOL 201.41 VL 25.728 GAL 12.61 AZL 93.28 MCA 115.56 SMA 119.76 ECC .32890 INC 3.2797 V1 29.714
 RP 108.94 LAP -2.96 LOP 317.00 VP 36.446 GAP -18.51 A7P 88.58 TAL 151.03 TAP 266.59 RCA 80.37 APO 159.15 V2 34.785
 RC 46.068 GL -11.73 GP 9.14 ZAL 43.49 ZAP 9.24 ETS 263.09 ZAE 149.37 ETE 142.55 ZAC 122.46 ETC 25.04 CLP 1.37

PLANETOCENTRIC CONIC

C3 49.883 VML 7.063 DLA -2.77 RAL 156.42 RAD 6568.8 VEL 13.086 PTH 2.39 VMP 11.700 DPA 26.90 RAP 144.70 ECC 1.8210
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 48 59 2355.83 -22.73 50.63 32.60 107.36 9 28 15 1755.8 -20.14 42.92
 90.00 20 5 51 5171.91 25.73 231.29 34.70 77.75 21 32 3 4571.9 23.79 223.16
 100.00 10 9 2 2097.61 -24.04 31.19 32.14 108.33 10 44 0 1497.6 -21.31 23.45
 100.00 21 28 30 4905.36 27.08 211.35 34.36 76.82 22 50 15 4305.4 24.99 203.17
 110.00 11 14 19 1893.27 -27.56 14.27 30.74 111.07 11 45 52 1293.3 -24.45 6.49
 110.00 22 39 42 4682.47 30.70 193.36 33.29 74.17 23 57 45 4082.5 28.23 185.03

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1427 TRA-2.8285 TC3 -.2598 BAU .1918
 RDE -.2808 RRA -.4433 RC3 .1234 FAU .01723
 FDE-1.1116 FRA 1.9707 FC3 -.2991 BSP 8192
 BDE 1.1767 BRA 2.8630 BC3 .2876 FSP -460

SGT 2504.3 SGR 480.4 SG3 162.9
 RRT .4788 RRF -.5122 RTF -.9231
 SGB 2546.2 R23 -.0666 R13 -.9242
 SG1 2514.2 SG2 402.6 TMA 5.16

ST 1155.2 SR 252.2 SS 1032.9
 CRT -.4696 CRS -.5958 CST .9885
 LSA 1551.0 MSA 242.7 SSA 17.3
 EL1 1161.4 EL2 221.4 ALF 173.93

LAUNCH DATE APR 12 1967

FLIGHT TIME 130.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 304.072

RL 149.95 LAL -.00 LOL 201.41 VL 25.887 GAL 12.15 AZL 93.47 MCA 118.72 SMA 120.66 ECC .31722 INC 3.4733 V1 29.714
 RP 108.93 LAP -3.05 LOP 320.17 VP 36.561 GAP -17.66 A7P 88.33 TAL 150.59 TAP 269.31 RCA 82.38 APO 158.93 V2 34.787
 RC 45.125 GL -12.96 GP 9.88 ZAL 43.52 ZAP 9.88 ETS 271.43 ZAE 150.58 ETE 137.55 ZAC 120.52 ETC 24.63 CLP .02

PLANETOCENTRIC CONIC

C3 46.707 VML 6.834 DLA -4.01 RAL 156.20 RAD 6568.7 VEL 12.964 PTH 2.36 VMP 11.222 DPA 27.06 RAP 146.87 ECC 1.7687
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 57 24 2300.75 -21.56 47.01 30.86 108.81 9 35 45 1700.8 -18.80 39.43
 90.00 19 55 44 5194.08 26.04 232.84 33.80 78.47 21 22 18 4594.1 24.19 224.66
 100.00 10 16 52 2044.42 -22.85 27.68 30.37 109.81 10 50 56 1444.4 -19.95 20.09
 100.00 21 18 57 4925.65 27.38 212.78 33.48 77.51 22 41 3 4325.6 25.39 204.55
 110.00 11 20 48 1844.28 -26.32 11.01 28.89 112.64 11 51 32 1244.3 -23.02 3.40
 110.00 22 31 31 4698.56 30.99 194.52 32.47 74.80 23 49 49 4098.6 28.60 186.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1593 TRA-2.8118 TC3 -.2457 BAU .1758
 RDE -.2361 RRA -.4448 RC3 .1376 FAU .01802
 FDE-1.1841 FRA 2.0464 FC3 -.3341 BSP 8619
 BDE 1.1831 BRA 2.8467 BC3 .2816 FSP -505

SGT 2577.1 SGR 462.9 SG3 176.0
 RRT .5263 RRF -.5643 RTF -.9285
 SGB 2618.4 R23 -.0754 R13 -.9297
 SG1 2588.9 SG2 391.8 TMA 5.53

ST 1203.0 SR 227.6 SS 1084.8
 CRT -.4125 CRS -.5441 CST .9884
 LSA 1618.9 MSA 234.0 SSA 17.2
 EL1 1206.8 EL2 206.7 ALF 175.40

LAUNCH DATE APR 12 1967

FLIGHT TIME 132.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 310.838

RL 149.95 LAL -.00 LOL 201.41 VL 26.036 GAL 11.71 AZL 93.68 MCA 121.87 SMA 121.51 ECC .30614 INC 3.6791 V1 29.714
 RP 108.93 LAP -3.12 LOP 323.34 VP 36.669 GAP -16.84 A7P 88.06 TAL 150.18 TAP 272.06 RCA 84.31 APO 158.71 V2 34.790
 RC 44.335 GL -14.30 GP 10.73 ZAL 43.65 ZAP 10.82 ETS 278.68 ZAE 151.58 ETE 131.90 ZAC 118.57 ETC 24.27 CLP -1.35

PLANETOCENTRIC CONIC

C3 43.862 VML 6.623 DLA -5.34 RAL 155.91 RAD 6568.7 VEL 12.854 PTH 2.34 VMP 10.762 DPA 27.29 RAP 149.05 ECC 1.7219
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 6 11 2243.57 -20.26 43.33 29.13 110.22 9 43 34 1643.6 -17.33 35.88
 90.00 19 44 35 5219.69 26.38 234.64 32.92 79.31 21 11 35 4619.7 24.64 226.40
 100.00 10 25 0 1989.29 -21.54 24.11 28.61 111.25 10 58 10 1389.3 -18.46 16.67
 100.00 21 8 27 4949.21 27.72 214.45 32.62 78.33 22 30 56 4349.2 25.83 206.16
 110.00 11 27 29 1793.69 -24.95 7.71 27.06 114.16 11 57 22 1193.7 -21.48 .29
 110.00 22 22 28 4717.57 31.33 195.90 31.66 75.56 23 41 5 4117.6 29.03 187.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1960 TRA-2.7765 TC3 -.2111 BAU .1530
 RDE -.1893 RRA -.4490 RC3 .1534 FAU .01915
 FDE-1.2708 FRA 2.1203 FC3 -.3779 BSP 9418
 BDE 1.2109 BRA 2.8125 BC3 .2609 FSP -565

SGT 2639.8 SGR 469.4 SG3 190.3
 RRT .5770 RRF -.6193 RTF -.9358
 SGB 2681.2 R23 -.0831 R13 -.9371
 SG1 2654.0 SG2 381.3 TMA 5.98

ST 1262.7 SR 201.4 SS 1144.2
 CRT -.3335 CRS -.4651 CST .9894
 LSA 1701.4 MSA 221.7 SSA 16.8
 EL1 1264.6 EL2 189.6 ALF 176.89

LAUNCH DATE APR 12 1967

FLIGHT TIME 134.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 317.602

RL 149.95 LAL -1.00 LOL 201.41 VL 26.175 GAL 11.29 AZL 93.90 HCA 125.03 SMA 122.33 ECC .29563 INC 3.8995 V1 29.714
 RP 108.92 LAP -3.19 LOP 326.50 VP 36.771 GAP -16.03 AZP 87.76 TAL 149.81 TAP 274.84 RCA 86.16 APO 158.49 V2 34.793
 RC 43.707 GL -15.75 GP 11.70 ZAL 43.89 ZAP 12.02 ETS 284.69 ZAE 152.28 ETE 125.66 ZAC 116.60 ETC 23.95 CLP -2.75

PLANETOCENTRIC CONIC

C3 41.333 VML 6.429 DLA -6.75 RAL 155.52 RAD 6568.6 VEL 12.755 PTH 2.32 VMP 10.320 DPA 27.63 RAP 151.26 ECC 1.6802
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 15 25 2183.98 -18.81 39.55 27.43 111.56 9 51 49 1584.0 -15.72 32.24
 90.00 19 32 15 5249.34 26.74 236.73 32.04 80.31 20 59 44 4649.3 25.12 228.44
 100.00 10 33 33 1931.95 -20.08 20.48 26.88 112.62 11 5 45 1332.0 -16.84 13.18
 100.00 20 56 49 4976.60 28.08 216.40 31.77 79.30 22 19 45 4376.6 26.32 208.05
 110.00 11 34 26 1741.33 -23.45 4.38 25.25 115.61 12 3 27 1141.3 -19.81 357.14
 110.00 22 12 25 4739.99 31.69 197.54 30.88 76.47 23 31 25 4140.0 29.51 189.02

DIFFERENTIAL CORRECTIONS

TOE 1.2750 TRA-2.6986 TC3 -.1337 BAU .1205
 RDE -.1387 RRA -.4555 RC3 .1721 FAU .02109
 FDE -1.3837 FRA 2.1813 FC3 -.4416 BSP 11189
 BDE 1.2825 BRA 2.7368 BC3 .2180 FSP -665

MID-COURSE EXECUTION ACCURACY

SGT 2680.6 SGR 481.0 SG3 205.8
 RRT .6293 RRF -.6750 RTF -.9465
 SGB 2723.4 R23 -.0871 R13 -.9480
 SGI 2697.9 SG2 371.4 TMA 6.57

ORBIT DETERMINATION ACCURACY

ST 1348.7 SR 174.2 SS 1217.9
 CRT -.2186 CRS -.3373 CST .9921
 LSA 1814.3 MSA 201.7 SSA 16.0
 EL1 1349.2 EL2 170.0 ALF 178.36

LAUNCH DATE APR 12 1967

FLIGHT TIME 136.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 324.381

RL 149.95 LAL -1.00 LOL 201.41 VL 26.305 GAL 10.90 AZL 94.14 HCA 128.19 SMA 123.10 ECC .28574 INC 4.1376 V1 29.714
 RP 108.90 LAP -3.25 LOP 329.67 VP 36.867 GAP -15.26 AZP 87.44 TAL 149.46 TAP 277.65 RCA 87.92 APO 158.27 V2 34.797
 RC 43.245 GL -17.35 GP 12.81 ZAL 44.24 ZAP 13.46 ETS 289.48 ZAE 152.60 ETE 118.96 ZAC 114.60 ETC 23.67 CLP -4.17

PLANETOCENTRIC CONIC

C3 39.143 VML 6.256 DLA -8.26 RAL 155.05 RAD 6568.5 VEL 12.669 PTH 2.30 VMP 9.899 DPA 28.08 RAP 153.49 ECC 1.6442
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 25 18 2121.91 -17.22 35.70 25.79 112.83 10 0 40 1521.9 -13.98 28.52
 90.00 19 18 38 5283.91 27.11 239.20 31.24 81.49 20 46 42 4683.9 25.65 230.83
 100.00 10 42 39 1872.39 -18.48 16.78 25.22 113.93 11 13 51 1272.4 -15.09 9.63
 100.00 20 43 58 5008.67 28.46 218.71 30.99 80.46 22 7 27 4408.7 26.85 210.28
 110.00 11 41 46 1687.25 -24.82 1.03 23.52 116.99 12 9 54 1087.3 -18.03 353.96
 110.00 22 1 20 4766.56 32.10 199.51 30.17 77.57 23 20 46 4166.6 30.06 190.89

DIFFERENTIAL CORRECTIONS

TOE 1.1480 TRA-2.8306 TC3 -.2622 BAU .1678
 RDE -.0922 RRA -.4747 RC3 .1846 FAU .01915
 FDE -1.4250 FRA 2.3341 FC3 -.4236 BSP 7928
 BDE 1.1517 BRA 2.8702 BC3 .3206 FSP -595

MID-COURSE EXECUTION ACCURACY

SGT 2841.6 SGR 503.4 SG3 222.8
 RRT .6894 RRF -.7404 RTF -.9357
 SGB 2885.8 R23 -.1169 R13 -.9376
 SGI 2863.0 SG2 362.0 TMA 7.08

ORBIT DETERMINATION ACCURACY

ST 1312.6 SR 156.6 SS 1246.3
 CRT .0718 CRS -.1079 CST .9835
 LSA 1802.6 MSA 226.3 SSA 16.5
 EL1 1312.7 EL2 156.2 ALF .50

LAUNCH DATE APR 12 1967

FLIGHT TIME 138.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 331.143

RL 149.95 LAL -1.00 LOL 201.41 VL 26.426 GAL 10.52 AZL 94.40 HCA 131.35 SMA 123.83 ECC .27636 INC 4.3975 V1 29.714
 RP 108.89 LAP -3.30 LOP 332.84 VP 36.957 GAP -14.50 AZP 87.09 TAL 149.16 TAP 280.50 RCA 89.61 APO 158.05 V2 34.801
 RC 42.956 GL -19.05 GP 14.08 ZAL 44.74 ZAP 15.15 ETS 293.22 ZAE 152.45 ETE 112.04 ZAC 112.58 ETC 23.42 CLP -5.63

PLANETOCENTRIC CONIC

C3 37.236 VML 6.102 DLA -9.89 RAL 154.47 RAD 6568.5 VEL 12.594 PTH 2.28 VMP 9.498 DPA 28.68 RAP 155.77 ECC 1.6128
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 35 55 2056.53 -15.45 31.72 24.19 114.03 10 10 12 1456.5 -12.07 24.66
 90.00 19 3 22 5324.05 27.48 242.08 30.46 82.88 20 32 6 4724.1 26.21 233.64
 100.00 10 52 23 1809.84 -16.71 12.98 23.59 115.15 11 22 33 1209.8 -13.18 5.96
 100.00 20 29 35 5045.97 28.85 221.41 30.25 81.83 21 53 41 4446.0 27.42 212.90
 110.00 11 49 32 1630.87 -20.04 357.63 21.83 118.29 12 16 43 1030.9 -16.10 350.72
 110.00 21 48 55 4797.71 32.53 201.84 29.52 78.88 23 8 53 4197.7 30.66 193.12

DIFFERENTIAL CORRECTIONS

TOE 1.1974 TRA-2.7878 TC3 -.2184 BAU .1489
 RDE -.0352 RRA -.4930 RC3 .2043 FAU .02040
 FDE -1.5463 FRA 2.4201 FC3 -.4743 BSP 8782
 BDE 1.1979 BRA 2.8310 BC3 .2991 FSP -670

MID-COURSE EXECUTION ACCURACY

SGT 2897.4 SGR 533.0 SG3 240.7
 RRT .7413 RRF -.7947 RTF -.9423
 SGB 2946.0 R23 -.1274 R13 -.9445
 SGI 2924.6 SG2 354.4 TMA 7.88

ORBIT DETERMINATION ACCURACY

ST 1378.2 SR 145.0 SS 1320.0
 CRT .3758 CRS .2128 CST .9851
 LSA 1901.7 MSA 214.4 SSA 15.8
 EL1 1379.3 EL2 134.3 ALF 2.29

LAUNCH DATE APR 12 1967

FLIGHT TIME 140.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 337.900

RL 149.95 LAL -1.00 LOL 201.41 VL 26.539 GAL 10.17 AZL 94.68 HCA 134.50 SMA 124.53 ECC .26751 INC 4.6839 V1 29.714
 RP 108.87 LAP -3.34 LOP 336.01 VP 37.043 GAP -13.77 AZP 86.71 TAL 148.88 TAP 283.38 RCA 91.21 APO 157.84 V2 34.806
 RC 42.841 GL -20.94 GP 15.56 ZAL 45.38 ZAP 17.07 ETS 296.04 ZAE 151.79 ETE 105.20 ZAC 110.52 ETC 23.20 CLP -7.12

PLANETOCENTRIC CONIC

C3 35.639 VML 5.970 DLA -11.64 RAL 153.77 RAD 6568.4 VEL 12.530 PTH 2.27 VMP 9.119 DPA 29.46 RAP 158.12 ECC 1.5865
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 47 32 1987.41 -13.49 27.59 22.69 115.14 10 20 39 1387.4 -9.99 20.65
 90.00 18 46 13 5371.01 27.83 245.47 29.75 84.55 20 15 44 4771.0 26.78 236.96
 100.00 11 2 58 1744.00 -14.76 9.06 22.05 116.29 11 32 2 1144.0 -11.11 2.17
 100.00 20 13 28 5089.65 29.23 224.61 29.58 83.47 21 38 17 4489.7 28.02 216.01
 110.00 11 57 53 1572.04 -18.10 354.17 20.21 119.50 12 24 5 972.0 -14.04 347.41
 110.00 21 35 2 4834.38 32.98 204.60 28.96 80.46 22 55 37 4234.4 31.31 195.78

DIFFERENTIAL CORRECTIONS

TOE 1.2450 TRA-2.7511 TC3 -.1787 BAU .1370
 RDE .0277 RRA -.5181 RC3 .2253 FAU .02153
 FDE -1.6805 FRA 2.5112 FC3 -.5231 BSP 9446
 BDE 1.2453 BRA 2.7995 BC3 .2875 FSP -744

MID-COURSE EXECUTION ACCURACY

SGT 2956.5 SGR 575.1 SG3 259.9
 RRT .7898 RRF -.8441 RTF -.9477
 SGB 3011.9 R23 -.1385 R13 -.9504
 SGI 2991.7 SG2 348.6 TMA 8.86

ORBIT DETERMINATION ACCURACY

ST 1442.9 SR 154.8 SS 1397.7
 CRT .6935 CRS .5662 CST .9862
 LSA 2004.3 MSA 204.8 SSA 15.1
 EL1 1446.9 EL2 111.2 ALF 4.28

LAUNCH DATE APR 12 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 344.651

RL 149.95 LAL -.00 LOL 201.41 VL 26.643 GAL 9.83 AZL 95.00 MCA 137.66 SMA 125.18 ECC .25919 INC 5.0033 V1 29.714
 RP 108.86 LAP -3.37 LOP 339.18 VP 37.124 GAP -13.06 A7P 86.30 TAL 148.63 TAP 286.29 RCA 92.73 APO 157.63 V2 34.812
 RC 42.900 GL -22.99 GP 17.28 ZAL 46.20 ZAP 19.26 ETS 298.09 ZAE 150.58 ETE 98.73 ZAC 108.42 ETC 23.00 CLP -8.64

PLANETOCENTRIC CONIC

C3 34.362 VML 5.862 DLA -13.53 RAL 152.96 RAD 6568.4 VEL 12.479 PTH 2.26 VMP 8.766 DPA 30.46 RAP 160.55 ECC 1.5655
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 0 27 1913.74 -11.32 23.26 21.29 116.13 10 32 20 1313.7 -7.71 16.44
 90.00 18 26 47 5426.26 28.12 249.48 29.12 86.54 19 57 13 4826.3 27.35 240.90
 100.00 11 14 41 1674.20 -12.62 4.98 20.63 117.33 11 42 36 1074.2 -8.86 358.21
 100.00 19 55 13 5141.04 29.57 228.39 29.00 85.43 21 20 54 4541.0 28.63 219.71
 110.00 12 6 59 1510.39 -16.00 350.62 18.69 120.62 12 32 10 910.4 -11.82 344.01
 110.00 21 19 24 4877.61 33.42 207.90 28.52 82.37 22 40 42 4277.6 32.01 198.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2817 TRA-2.7318 TC3 -.1579 BAU .1343 SGT 3024.3 SGR 632.9 SG3 280.0 ST 1499.4 SR 192.4 SS 1476.1
 RDE .0983 RRA -.5521 RC3 .2461 FAU .02221 RRT .8314 RRF -.8864 RTF -.9513 CRT .8924 CRS .8069 CST .9862
 FDE-1.8236 FRA 2.6123 FC3 -.5596 BSP 9660 SGB 3089.8 R23 -.1530 R13 -.9545 LSA 2103.2 MSA 200.7 SSA 14.3
 BDE 1.2854 BRA 2.7870 BC3 .2924 FSP -804 SG1 3070.3 SG2 346.4 TMA 10.00 EL1 1509.2 EL2 86.3 ALF 6.56

LAUNCH DATE APR 12 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 351.393

RL 149.95 LAL -.00 LOL 201.41 VL 26.741 GAL 9.51 AZL 95.36 MCA 140.82 SMA 125.79 ECC .25138 INC 5.3639 V1 29.714
 RP 108.84 LAP -3.39 LOP 342.35 VP 37.199 GAP -12.36 A7P 85.84 TAL 148.41 TAP 289.23 RCA 94.17 APO 157.42 V2 34.819
 RC 43.133 GL -25.24 GP 19.29 ZAL 47.21 ZAP 21.73 ETS 299.47 ZAE 148.82 ETE 92.89 ZAC 106.25 ETC 22.82 CLP -10.20

PLANETOCENTRIC CONIC

C3 33.426 VML 5.782 DLA -15.59 RAL 152.00 RAD 6568.3 VEL 12.442 PTH 2.25 VMP 8.442 DPA 31.71 RAP 163.12 ECC 1.5501
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 15 8 1834.25 -8.90 18.68 20.06 116.99 10 45 42 1234.2 -5.20 11.94
 90.00 18 4 26 5491.82 28.30 254.27 28.58 88.94 19 35 58 4891.8 27.85 245.63
 100.00 11 27 54 1999.44 -10.24 .70 19.34 118.24 11 54 33 999.4 -6.39 354.03
 100.00 19 34 21 5201.86 29.82 232.89 28.53 87.79 21 1 5 4601.9 29.19 224.14
 110.00 12 17 5 1445.38 -13.71 346.98 17.30 121.62 12 41 10 845.4 -9.43 340.49
 110.00 21 1 39 4928.68 33.81 211.84 28.22 84.66 22 23 48 4328.7 32.71 202.78

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.3353 TRA-2.7044 TC3 -.1275 BAU .1327 SGT 3084.6 SGR 709.2 SG3 300.8 ST 1564.6 SR 256.8 SS 1562.3
 RDE .1809 RRA -.5950 RC3 .2681 FAU .02296 RRT .8662 RRF -.9201 RTF -.9553 CRT .9718 CRS .9220 CST .9868
 FDE-1.9899 FRA 2.7071 FC3 -.5948 BSP 10058 SGB 3165.1 R23 -.1642 R13 -.9592 LSA 2217.2 MSA 195.8 SSA 13.3
 BDE 1.3475 BRA 2.7691 BC3 .2969 FSP -875 SG1 3146.0 SG2 347.5 TMA 11.40 EL1 1584.4 EL2 59.8 ALF 9.08

LAUNCH DATE APR 12 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 358.125

RL 149.95 LAL -.00 LOL 201.41 VL 26.831 GAL 9.21 AZL 95.78 MCA 143.98 SMA 126.37 ECC .24407 INC 5.7771 V1 29.714
 RP 108.81 LAP -3.39 LOP 345.52 VP 37.271 GAP -11.69 A7P 85.32 TAL 148.21 TAP 292.19 RCA 95.53 APO 157.22 V2 34.826
 RC 43.534 GL -27.71 GP 21.66 ZAL 48.43 ZAP 24.52 ETS 300.30 ZAE 146.50 ETE 87.84 ZAC 103.99 ETC 22.62 CLP -11.79

PLANETOCENTRIC CONIC

C3 32.871 VML 5.733 DLA -17.81 RAL 150.87 RAD 6568.3 VEL 12.419 PTH 2.24 VMP 8.153 DPA 33.28 RAP 165.86 ECC 1.5410
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 32 18 1746.98 -6.16 13.72 19.04 117.69 11 1 25 1147.0 -2.41 7.05
 90.00 17 38 19 5570.64 28.26 260.03 28.12 91.83 19 11 10 4970.6 28.22 251.37
 100.00 11 43 11 1518.27 -7.59 356.13 18.26 119.00 12 8 29 918.3 -3.67 349.54
 100.00 19 10 7 5274.59 29.89 238.30 28.16 90.63 20 38 2 4674.6 29.65 229.50
 110.00 12 28 30 1376.28 -11.21 343.18 16.08 122.50 12 51 26 776.3 -6.85 336.81
 110.00 20 41 17 4989.34 34.10 216.55 28.08 87.44 22 4 27 4389.3 33.37 207.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.3958 TRA-2.6827 TC3 -.1046 BAU .1352 SGT 3144.8 SGR 808.0 SG3 321.5 ST 1630.8 SR 346.0 SS 1651.8
 RDE .2791 RRA -.6497 RC3 .2893 FAU .02336 RRT .8932 RRF -.9456 RTF -.9586 CRT .9956 CRS .9693 CST .9873
 FDE-2.1744 FRA 2.7979 FC3 -.6153 BSP 10312 SGB 3247.0 R23 -.1743 R13 -.9633 LSA 2338.8 MSA 193.7 SSA 12.1
 BDE 1.4235 BRA 2.7603 BC3 .3076 FSP -939 SG1 3227.6 SG2 354.1 TMA 13.09 EL1 1666.8 EL2 31.7 ALF 11.93

LAUNCH DATE APR 12 1967

FLIGHT TIME 148.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 364.843

RL 149.95 LAL -.00 LOL 201.41 VL 26.914 GAL 8.93 AZL 96.26 MCA 147.14 SMA 126.91 ECC .23723 INC 6.2584 V1 29.714
 RP 108.79 LAP -3.39 LOP 348.70 VP 37.338 GAP -11.03 A7P 84.74 TAL 148.05 TAP 295.18 RCA 96.81 APO 157.02 V2 34.834
 RC 44.099 GL -30.42 GP 24.46 ZAL 49.89 ZAP 27.69 ETS 300.65 ZAE 143.63 ETE 83.62 ZAC 101.62 ETC 22.40 CLP -13.40

PLANETOCENTRIC CONIC

C3 32.763 VML 5.724 DLA -20.23 RAL 149.56 RAD 6568.3 VEL 12.415 PTH 2.24 VMP 7.907 DPA 35.22 RAP 168.86 ECC 1.5392
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 53 11 1848.51 -3.02 8.19 18.34 118.17 11 20 40 1048.5 .77 1.56
 90.00 17 6 57 5667.46 27.85 267.08 27.72 95.34 18 41 24 5067.5 28.30 258.45
 100.00 12 1 27 1428.23 -4.59 351.13 17.47 119.57 12 25 15 828.2 -.62 344.60
 100.00 18 41 23 5362.97 29.64 244.85 27.88 94.07 20 10 45 4763.0 29.89 236.06
 110.00 12 41 44 1302.00 -8.47 339.18 15.09 123.24 13 3 26 702.0 -4.04 332.90
 110.00 20 17 35 5061.96 34.18 222.22 28.11 90.79 21 41 57 4462.0 33.91 212.98

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.4784 TRA-2.6568 TC3 -.0779 BAU .1398 SGT 3198.6 SGR 933.2 SG3 341.0 ST 1706.8 SR 461.6 SS 1747.3
 RDE .4000 RRA -.7170 RC3 .3096 FAU .02358 RRT .9141 RRF -.9638 RTF -.9621 CRT .9997 CRS .9882 CST .9881
 FDE-2.3845 FRA 2.8700 FC3 -.6231 BSP 10692 SGB 3332.0 R23 -.1793 R13 -.9678 LSA 2478.4 MSA 191.6 SSA 10.9
 BDE 1.5316 BRA 2.7518 BC3 .3193 FSP -1008 SG1 3311.9 SG2 365.4 TMA 15.12 EL1 1768.0 EL2 11.0 ALF 15.13

LAUNCH DATE APR 12 1967

FLIGHT TIME 150.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC
 RL 149.95 LAL -.00 LOL 201.41 VL 26.991 GAL 8.67 AZL 96.83 MCA 150.29 SMA 127.42 ECC .23086 INC 6.8298 V1 29.714
 RP 108.76 LAP -3.38 LOP 351.88 VP 37.401 GAP -10.40 AZP 84.06 TAL 147.90 TAP 298.19 RCA 98.00 APO 156.83 V2 34.842
 RC 44.820 GL -33.41 GP 27.80 ZAL 51.64 ZAP 31.31 ETS 300.57 ZAE 140.17 ETE 80.22 ZAC 99.10 ETC 22.11 CLP -15.02

PLANETOCENTRIC CONIC
 C3 33.213 VHL 5.763 DLA -22.86 RAL 148.02 RAD 6568.3 VEL 12.433 PTH 2.25 VHP 7.718 DPA 37.60 RAP 172.24 ECC 1.5466
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 20 18 1531.70 .75 1.67 18.13 118.31 11 45 49 931.7 4.52 355.03
 90.00 16 27 33 5791.14 26.75 275.97 27.24 99.65 18 4 4 5191.1 27.81 267.46
 100.00 12 24 26 1324.67 -1.09 345.44 17.10 119.87 12 46 31 724.7 2.89 338.91
 100.00 18 6 5 5473.40 28.83 252.96 27.61 98.26 19 37 19 4873.4 29.67 244.26
 110.00 12 57 34 1220.80 -5.41 334.88 14.42 123.80 13 17 55 620.8 -.94 328.66
 110.00 19 49 27 5150.04 33.88 229.08 28.29 94.84 21 15 17 4550.0 34.18 219.85

MID-COURSE EXECUTION ACCURACY
 SGT 3250.8 SGR 1088.9 SG3 357.7
 RRT .9295 RRF -.9762 RTF -.9651
 SGB 3428.3 R23 -.1801 R13 -.9721
 SGI 3406.8 SG2 383.3 TMA 17.52

ORBIT DETERMINATION ACCURACY
 ST 1788.7 SR 606.5 SS 1843.7
 CRT .9982 CRS .9957 CST .9889
 LSA 2632.4 MSA 191.5 SSA 9.7
 EL1 1888.4 EL2 34.3 ALF 18.70

DIFFERENTIAL CORRECTIONS
 TDE 1.5812 TRA-2.6364 TC3 -.0589 BAU .1470
 RDE .5516 RRA -.7995 RC3 .3258 FAU .02319
 FDE-2.6137 FRA 2.9171 FC3 -.6045 BSP 11004
 BDE 1.6747 BRA 2.7550 BC3 .3311 FSP -1064

LAUNCH DATE APR 12 1967

FLIGHT TIME 152.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC
 RL 149.95 LAL -.00 LOL 201.41 VL 27.062 GAL 8.43 AZL 97.52 MCA 153.45 SMA 127.89 ECC .22495 INC 7.5238 V1 29.714
 RP 108.74 LAP -3.36 LOP 355.05 VP 37.461 GAP -9.77 AZP 83.26 TAL 147.78 TAP 301.23 RCA 99.12 APO 156.66 V2 34.851
 RC 45.690 GL -36.70 GP 31.78 ZAL 53.69 ZAP 35.45 ETS 300.12 ZAE 136.08 ETE 77.52 ZAC 96.38 ETC 21.69 CLP -16.62

PLANETOCENTRIC CONIC
 C3 34.405 VHL 5.866 DLA -25.72 RAL 146.20 RAD 6568.4 VEL 12.481 PTH 2.26 VHP 7.604 DPA 40.49 RAP 176.17 ECC 1.5662
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 0 29 1375.95 5.74 352.95 18.83 117.78 12 23 24 775.9 9.42 346.20
 90.00 15 32 49 676.65 24.20 310.12 26.30 105.17 15 44 5 76.6 26.05 301.94
 100.00 12 56 4 1196.43 3.25 338.40 17.46 119.73 13 16 1 596.4 7.18 331.82
 100.00 17 19 54 5619.44 26.95 263.40 27.08 103.45 18 53 34 5019.4 28.53 254.95
 110.00 13 17 26 1129.40 -1.94 330.09 14.23 124.13 13 36 15 529.4 2.56 323.89
 110.00 19 15 2 5259.22 32.94 237.46 28.49 99.71 20 42 41 4659.2 33.93 228.36

MID-COURSE EXECUTION ACCURACY
 SGT 3300.1 SGR 1278.4 SG3 369.1
 RRT .9409 RRF -.9844 RTF -.9681
 SGB 3539.1 R23 -.1753 R13 -.9765
 SGI 3515.7 SG2 406.4 TMA 20.31

ORBIT DETERMINATION ACCURACY
 ST 1882.7 SR 786.0 SS 1938.2
 CRT .9959 CRS .9986 CST .9899
 LSA 2807.4 MSA 192.2 SSA 8.4
 EL1 2039.1 EL2 65.5 ALF 22.60

DIFFERENTIAL CORRECTIONS
 TDE 1.7186 TRA-2.6200 TC3 -.0447 BAU .1554
 RDE .7470 RRA -.8979 RC3 .3349 FAU .02207
 FDE-2.8591 FRA 2.9197 FC3 -.5553 BSP 11359
 BDE 1.8739 BRA 2.7696 BC3 .3378 FSP -1105

LAUNCH DATE APR 12 1967

FLIGHT TIME 154.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC
 RL 149.95 LAL -.00 LOL 201.41 VL 27.127 GAL 8.20 AZL 98.39 MCA 156.60 SMA 128.32 ECC .21947 INC 8.3902 V1 29.714
 RP 108.71 LAP -3.32 LOP 358.23 VP 37.517 GAP -9.17 AZP 82.29 TAL 147.68 TAP 304.28 RCA 100.16 APO 156.49 V2 34.860
 RC 46.700 GL -40.32 GP 36.52 ZAL 56.11 ZAP 40.20 ETS 299.30 ZAE 131.27 ETE 75.36 ZAC 93.41 ETC 21.00 CLP -18.13

PLANETOCENTRIC CONIC
 C3 36.658 VHL 6.055 DLA -28.82 RAL 144.02 RAD 6568.4 VEL 12.571 PTH 2.28 VHP 7.599 DPA 43.94 RAP 180.95 ECC 1.6033
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.40 12 51 18 1193.28 16.00 344.74 22.59 114.30 13 11 11 593.3 19.15 337.44
 95.60 14 24 35 891.36 16.01 322.62 22.60 114.29 14 39 27 291.4 19.16 315.32
 100.00 13 52 7 995.89 9.90 327.23 19.50 118.35 14 8 43 395.9 13.62 320.40
 100.00 16 6 27 5852.02 22.30 279.10 25.33 110.44 17 43 59 5252.0 24.88 271.25
 110.00 13 44 21 1020.32 2.23 324.40 14.83 124.12 14 1 22 420.3 6.70 318.16
 110.00 18 30 43 5400.36 30.83 247.91 28.43 105.56 20 0 43 4800.4 32.65 239.17

MID-COURSE EXECUTION ACCURACY
 SGT 3350.0 SGR 1502.4 SG3 371.6
 RRT .9494 RRF -.9895 RTF -.9710
 SGB 3671.5 R23 -.1650 R13 -.9808
 SGI 3645.8 SG2 433.4 TMA 23.42

ORBIT DETERMINATION ACCURACY
 ST 1994.0 SR 1005.4 SS 2024.7
 CRT .9943 CRS .9996 CST .9911
 LSA 3008.1 MSA 193.3 SSA 7.2
 EL1 2231.1 EL2 96.1 ALF 26.68

DIFFERENTIAL CORRECTIONS
 TDE 1.9079 TRA-2.6122 TC3 -.0384 BAU .1636
 RDE 1.0044 RRA -1.0111 RC3 .3316 FAU .01987
 FDE-3.1084 FRA 2.8567 FC3 -.4693 BSP 11769
 BDE 2.1561 BRA 2.8011 BC3 .3338 FSP -1121

LAUNCH DATE APR 12 1967

FLIGHT TIME 156.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC
 RL 149.95 LAL -.00 LOL 201.41 VL 27.186 GAL 7.99 AZL 99.51 MCA 159.75 SMA 128.73 ECC .21443 INC 9.5099 V1 29.714
 RP 108.68 LAP -3.28 LOP 358.23 VP 37.569 GAP -8.58 AZP 81.07 TAL 147.59 TAP 307.34 RCA 101.13 APO 156.33 V2 34.870
 RC 47.841 GL -44.30 GP 42.15 ZAL 58.93 ZAP 45.64 ETS 298.10 ZAE 125.64 ETE 73.47 ZAC 90.12 ETC 19.85 CLP -19.43

PLANETOCENTRIC CONIC
 C3 40.557 VHL 6.368 DLA -32.15 RAL 141.37 RAD 6568.6 VEL 12.725 PTH 2.31 VHP 7.755 DPA 47.92 RAP 187.04 ECC 1.6675
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.11 11 23 46 1463.81 16.91 306.72 22.43 117.76 11 48 10 863.8 20.49 358.25
 105.89 15 31 2 671.90 16.92 306.72 22.43 117.75 15 42 14 71.9 20.50 299.58
 74.11 11 23 46 1463.81 16.91 306.72 22.43 117.76 11 48 10 863.8 20.49 358.25
 105.89 15 31 2 671.90 16.92 306.72 22.43 117.75 15 42 14 71.9 20.50 299.58
 110.00 14 28 6 866.90 8.05 316.32 17.08 123.34 14 42 33 266.9 12.38 309.90
 110.00 17 25 52 5604.85 26.23 262.03 27.15 112.75 18 59 17 5004.8 29.07 254.01

MID-COURSE EXECUTION ACCURACY
 SGT 3407.0 SGR 1754.5 SG3 361.1
 RRT .9559 RRF -.9926 RTF -.9740
 SGB 3832.2 R23 -.1502 R13 -.9849
 SGI 3804.3 SG2 461.6 TMA 26.63

ORBIT DETERMINATION ACCURACY
 ST 2132.6 SR 1266.6 SS 2093.9
 CRT .9935 CRS .9999 CST .9924
 LSA 3240.2 MSA 194.2 SSA 6.1
 EL1 2477.3 EL2 123.8 ALF 30.63

DIFFERENTIAL CORRECTIONS
 TDE 2.1810 TRA-2.6207 TC3 -.0411 BAU .1692
 RDE 1.3493 RRA -1.1329 RC3 .3094 FAU .01630
 FDE-3.3390 FRA 2.7033 FC3 -.3480 BSP 12262
 BDE 2.5646 BRA 2.8551 BC3 .3121 FSP -1097

LAUNCH DATE APR 12 1967

FLIGHT TIME 158.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 398.176
 RL 149.95 LAL -1.00 LOL 201.41 VL 27.241 GAL 7.80 AZL 101.02 MCA 162.89 SMA 129.10 ECC .20982 INC11.0222 V1 29.714
 RP 108.64 LAP -3.22 LOP 4.60 VP 37.61H GAP -8.01 AZP 79.45 TAL 147.51 TAP 310.40 RCA 102.01 APO 156.19 V2 34.881
 RC 49.103 GL -48.65 GP 48.76 ZAL 62.22 ZAP 51.80 ETS 296.32 ZAE 119.08 ETE 71.41 ZAC 86.44 ETC 17.81 CLP -20.24

PLANETOCENTRIC CONIC

C3 47.255 VHL 6.874 CLA -35.66 RAL 138.11 RAD 6568.8 VEL 12.985 PTH 2.37 VHP 8.164 DPA 52.29 RAP 195.22 ECC 1.7777
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 67.36 10 29 30 1628.55 17.22 18.38 22.50 121.72 10 56 38 1028.6 21.29 11.50
 112.64 15 59 17 5872.13 17.23 277.99 22.51 121.71 17 37 9 5272.1 21.30 271.10
 67.36 10 29 30 1628.55 17.22 18.38 22.50 121.72 10 56 38 1028.6 21.29 11.50
 112.64 15 59 17 5872.13 17.23 277.99 22.51 121.71 17 37 9 5272.1 21.30 271.10
 67.36 10 29 30 1628.55 17.22 18.38 22.50 121.72 10 56 38 1028.6 21.29 11.50
 112.64 15 59 17 5872.13 17.23 277.99 22.51 121.71 17 37 9 5272.1 21.30 271.10

DIFFERENTIAL CORRECTIONS

TDE 2.6010 TRA-2.6618 TC3 -.0544 BAU .1684
 RDE 1.8146 RRA-1.2451 RC3 .2610 FAU .01113
 FDE-3.5162 FRA 2.4410 FC3 -.2039 BSP 12855
 BDE 3.1714 BRA 2.9386 BC3 .2666 FSP -1021

MID-COURSE EXECUTION ACCURACY

SGT 3487.2 SGR 2011.9 SG3 333.9
 RRT .9606 RRF -.9943 RTF -.9771
 SGB 4026.0 R23 -.1325 R13 -.9886
 SGI 3996.3 SG2 487.9 TMA 29.48

ORBIT DETERMINATION ACCURACY

ST 2317.5 SR 1560.3 SS 2134.1
 CRT .9936 CRS 1.0000 CST .9939
 LSA 3510.2 MSA 194.2 SSA 5.0
 EL1 2789.9 EL2 146.7 ALF 33.89

LAUNCH DATE APR 12 1967

FLIGHT TIME 160.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 404.763
 RL 149.95 LAL -1.00 LOL 201.41 VL 27.291 GAL 7.63 AZL 103.19 MCA 166.02 SMA 129.44 ECC .20563 INC13.1902 V1 29.714
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.664 GAP -7.45 AZP 77.19 TAL 147.43 TAP 313.45 RCA 102.82 APO 156.06 V2 34.891
 RC 50.476 GL -53.29 GP 56.37 ZAL 66.01 ZAP 58.62 ETS 293.32 ZAE 111.49 ETE 68.24 ZAC 82.29 ETC 13.96 CLP -19.89

PLANETOCENTRIC CONIC

C3 59.280 VHL 7.699 CLA -39.21 RAL 134.02 RAD 6569.1 VEL 13.440 PTH 2.46 VHP 9.000 DPA 56.55 RAP 206.70 ECC 1.9756
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 61.66 9 43 52 1770.49 16.50 29.44 22.72 126.09 10 13 22 1170.5 21.09 22.94
 118.34 16 12 18 5842.45 16.52 275.07 22.73 126.08 17 49 40 5242.4 21.11 268.56
 61.66 9 43 52 1770.49 16.50 29.44 22.72 126.09 10 13 22 1170.5 21.09 22.94
 118.34 16 12 18 5842.45 16.52 275.07 22.73 126.08 17 49 40 5242.4 21.11 268.56
 61.66 9 43 52 1770.49 16.50 29.44 22.72 126.09 10 13 22 1170.5 21.09 22.94
 118.34 16 12 18 5842.45 16.52 275.07 22.73 126.08 17 49 40 5242.4 21.11 268.56

DIFFERENTIAL CORRECTIONS

TDE 3.3112 TRA-2.7714 TC3 -.0798 BAU .1577
 RDE 2.4249 RRA-1.2973 RC3 .1822 FAU .00433
 FDE-3.5993 FRA 2.0715 FC3 -.0633 BSP 13581
 BDE 4.1042 BRA 3.0600 BC3 .1989 FSP -888

MID-COURSE EXECUTION ACCURACY

SGT 3629.3 SGR 2210.8 SG3 288.4
 RRT .9632 RRF -.9946 RTF -.9810
 SGB 4249.6 R23 -.1136 R13 -.9918
 SGI 4218.8 SG2 510.9 TMA 30.91

ORBIT DETERMINATION ACCURACY

ST 2590.2 SR 1842.8 SS 2133.8
 CRT .9940 CRS .9999 CST .9956
 LSA 3823.8 MSA 193.0 SSA 4.0
 EL1 3174.7 EL2 164.0 ALF 35.38

LAUNCH DATE APR 12 1967

FLIGHT TIME 162.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 411.297
 RL 149.95 LAL -1.00 LOL 201.41 VL 27.336 GAL 7.48 AZL 106.57 MCA 169.12 SMA 129.75 ECC .20189 INC16.5710 V1 29.714
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.707 GAP -6.92 AZP 73.71 TAL 147.34 TAP 316.46 RCA 103.56 APO 155.95 V2 34.903
 RC 51.950 GL -58.00 GP 64.81 ZAL 70.35 ZAP 65.91 ETS 286.72 ZAE 102.80 ETE 61.34 ZAC 77.52 ETC 5.64 CLP -16.40

PLANETOCENTRIC CONIC

C3 83.080 VHL 9.115 CLA -42.47 RAL 128.84 RAD 6569.6 VEL 14.298 PTH 2.60 VHP 10.621 DPA 59.62 RAP 222.84 ECC 2.3673
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 56.92 9 2 9 1908.76 14.18 39.40 22.80 130.47 9 33 58 1308.8 19.28 33.38
 123.08 16 12 39 5863.46 14.20 274.97 22.81 130.46 17 50 22 5263.5 19.30 268.95
 56.92 9 2 9 1908.76 14.18 39.40 22.80 130.47 9 33 58 1308.8 19.28 33.38
 123.08 16 12 39 5863.46 14.20 274.97 22.81 130.46 17 50 22 5263.5 19.30 268.95
 56.92 9 2 9 1908.76 14.18 39.40 22.80 130.47 9 33 58 1308.8 19.28 33.38
 123.08 16 12 39 5863.46 14.20 274.97 22.81 130.46 17 50 22 5263.5 19.30 268.95

DIFFERENTIAL CORRECTIONS

TDE 4.6926 TRA-3.0420 TC3 -.1234 BAU .1645
 RDE 3.0693 RRA-1.1272 RC3 .0820 FAU .00393
 FDE-3.5622 FRA 1.6402 FC3 .0410 BSP 14314
 BDE 5.6072 BRA 3.2441 BC3 .1481 FSP -703

MID-COURSE EXECUTION ACCURACY

SGT 3933.5 SGR 2160.4 SG3 228.2
 RRT .9588 RRF -.9906 RTF -.9864
 SGB 4487.8 R23 -.0935 R13 -.9946
 SGI 4454.9 SG2 542.0 TMA 28.23

ORBIT DETERMINATION ACCURACY

ST 3050.6 SR 1950.7 SS 2090.6
 CRT .9940 CRS .9993 CST .9974
 LSA 4176.6 MSA 194.6 SSA 3.0
 EL1 3616.5 EL2 180.0 ALF 32.53

LAUNCH DATE APR 12 1967

FLIGHT TIME 164.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 417.735
 RL 149.95 LAL -1.00 LOL 201.41 VL 27.377 GAL 7.36 AZL 112.56 MCA 172.15 SMA 130.04 ECC .19867 INC22.5639 V1 29.714
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.748 GAP -6.41 AZP 67.63 TAL 147.22 TAP 319.37 RCA 104.20 APO 155.87 V2 34.914
 RC 53.515 GL -62.04 GP 73.25 ZAL 75.20 ZAP 73.26 ETS 266.16 ZAE 92.78 ETE 40.23 ZAC 71.66 ETC 342.12 CLP -2.21

PLANETOCENTRIC CONIC

C3 139.130 VHL 11.795 CLA -44.58 RAL 122.37 RAD 6570.5 VEL 16.139 PTH 2.84 VHP 13.907 DPA 59.56 RAP 243.45 ECC 3.2897
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.01 8 24 46 2046.79 9.76 47.69 22.29 133.71 8 58 53 1446.8 15.23 42.13
 125.99 15 58 26 651.59 9.78 299.81 22.31 133.71 16 9 18 51.6 15.25 294.24
 54.01 8 24 46 2046.79 9.76 47.69 22.29 133.71 8 58 53 1446.8 15.23 42.13
 125.99 15 58 26 651.59 9.78 299.81 22.31 133.71 16 9 18 51.6 15.25 294.24
 54.01 8 24 46 2046.79 9.76 47.69 22.29 133.71 8 58 53 1446.8 15.23 42.13
 125.99 15 58 26 651.59 9.78 299.81 22.31 133.71 16 9 18 51.6 15.25 294.24

DIFFERENTIAL CORRECTIONS

TDE 7.8546 TRA-3.5776 TC3 -.2021 BAU .3796
 RDE 2.4166 RRA .0704 RC3 .0284 FAU .01395
 FDE-3.4543 FRA 1.2459 FC3 .0868 BSP 14812
 BDE 8.2179 BRA 3.5783 BC3 .2041 FSP -498

MID-COURSE EXECUTION ACCURACY

SGT 4553.7 SGR 1176.8 SG3 163.5
 RRT .8080 RRF -.8602 RTF -.9950
 SGB 4703.3 R23 -.0645 R13 -.9975
 SGI 4654.1 SG2 678.4 TMA 12.05

ORBIT DETERMINATION ACCURACY

ST 3884.9 SR 1174.0 SS 2039.2
 CRT .9797 CRS .9867 CST .9992
 LSA 4536.2 MSA 229.3 SSA 1.8
 EL1 4052.2 EL2 225.7 ALF 16.54

LAUNCH DATE APR 12 1967

FLIGHT TIME 166.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

RL 149.95 LAL -.00 LOL 201.41 VL 27.414 GAL 7.29 AZL 125.65 HCA 175.00 SMA 130.30 ECC .19623 INC35.6461 V1 29.714
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.785 GAP -5.97 AZP 54.46 TAL 146.99 TAP 321.99 RCA 104.73 APO 155.86 V2 34.926
 RC 55.163 GL -62.70 GP 75.92 ZAL 80.36 ZAP 80.07 ETS 210.19 ZAE 80.29 ETE 343.99 ZAC 62.94 ETC 281.36 CLP 44.85

PLANETOCENTRIC CONIC

C3 318.010 VHL 17.833 OLA -42.96 RAL 115.22 RAD 6571.8 VEL 20.960 PTH 3.19 VMP 21.552 DPA 53.19 RAP 264.47 ECC 6.2336
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 56.23 8 5 2 2147.75 3.76 51.08 21.16 132.83 8 40 49 1547.7 9.17 45.57
 123.77 15 21 6 799.33 3.77 307.41 21.17 132.83 15 34 26 199.3 9.18 301.89
 56.23 8 5 2 2147.75 3.76 51.08 21.16 132.83 8 40 49 1547.7 9.17 45.57
 123.77 15 21 6 799.33 3.77 307.41 21.17 132.83 15 34 26 199.3 9.18 301.89
 56.23 8 5 2 2147.75 3.76 51.08 21.16 132.83 8 40 49 1547.7 9.17 45.57
 123.77 15 21 6 799.33 3.77 307.41 21.17 132.83 15 34 26 199.3 9.18 301.89

DIFFERENTIAL CORRECTIONS

TDE11.2320 TRA-2.0863 TC3 -.2090 BAU 1.3036
 RDE-6.9933 RRA 3.9128 RC3 .2244 FAU-.03069
 FDE-3.5418 FRA 1.0593 FC3 .0835 BSP 15005
 BDE13.2311 BRA 4.4343 BC3 .3066 FSP -333

MID-COURSE EXECUTION ACCURACY

SGT 3797.0 SGR 2939.4 SG3 109.3
 RRT -.9209 RRF .9667 RTF -.9899
 SGB 4801.8 R23 .0057 R13 .9999
 SG1 4712.3 SG2 923.1 THA 142.85

ORBIT DETERMINATION ACCURACY

ST 3619.3 SR 2305.4 SS 2134.9
 CRT -.9888 CRS -.9946 CST .9989
 LSA 4784.1 MSA 290.4 SSA .7
 EL1 4281.3 EL2 290.3 ALF 147.63

LAUNCH DATE APR 12 1967

FLIGHT TIME 168.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

RL 149.95 LAL -.00 LOL 201.41 VL 27.447 GAL 7.41 AZL 162.69 HCA 177.06 SMA 130.53 ECC .19599 INC72.6909 V1 29.714
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.821 GAP -5.78 AZP 17.33 TAL 146.27 TAP 323.32 RCA 104.95 APO 156.11 V2 34.938
 RC 56.885 GL -49.97 GP 57.28 ZAL 84.85 ZAP 85.13 ETS 182.16 ZAE 60.60 ETE 320.48 ZAC 44.74 ETC 242.15 CLP 80.96

PLANETOCENTRIC CONIC

C31151.590 VHL 33.935 OLA -28.66 RAL 111.11 RAD 6573.0 VEL 35.677 PTH 3.52 VMP 42.228 DPA 32.87 RAP 280.66 ECC19.9523
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.36 10 47 53 1692.61 -.41 12.83 21.83 118.66 11 16 6 1092.6 3.42 6.23
 94.64 12 5 30 1441.26 -.39 354.44 21.84 118.66 12 29 32 841.3 3.44 347.83
 100.00 11 36 9 1535.91 -8.17 357.12 17.56 118.85 12 1 45 935.9 -4.26 350.52
 100.00 13 59 55 1073.19 7.37 331.57 26.12 119.05 14 17 48 473.2 11.19 324.86
 110.00 11 31 4 1551.87 -17.42 353.00 12.24 119.88 11 56 56 951.9 -13.32 346.29
 110.00 16 21 29 629.99 16.59 303.30 31.49 120.32 16 31 59 30.0 20.50 296.35

DIFFERENTIAL CORRECTIONS

TDE 9.2963 TRA .3332 TC3 -.1340 BAU 5.1241
 RDE-17.7722 RRA 7.3874 RC3 .3047 FAU-.09298
 FDE-4.2886 FRA 1.5981 FC3 .0699 BSP 13457
 BDE20.0567 BRA 7.3949 BC3 .3328 FSP -250

MID-COURSE EXECUTION ACCURACY

SGT 1815.0 SGR 3911.6 SG3 79.4
 RRT -.9154 RRF .9993 RTF -.9285
 SGB 4312.2 R23 -.0346 R13 .9993
 SG1 4259.6 SG2 671.1 THA 113.63

ORBIT DETERMINATION ACCURACY

ST 1569.9 SR 3031.4 SS 2663.7
 CRT -.9883 CRS -.9999 CST .9904
 LSA 4324.6 MSA 216.7 SSA 1.5
 EL1 3407.1 EL2 213.5 ALF 117.22

LAUNCH DATE APR 12 1967

FLIGHT TIME 170.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

RL 149.95 LAL -.00 LOL 201.41 VL 27.476 GAL 6.61 AZL 40.59 HCA 183.56 SMA 130.73 ECC .18594 INC49.4078 V1 29.714
 RP 108.43 LAP -2.70 LOP 23.72 VP 37.853 GAP -4.30 AZP 139.35 TAL 148.37 TAP 331.92 RCA 106.43 APO 155.04 V2 34.951
 RC 58.673 GL 59.42 GP -68.37 ZAL 83.63 ZAP 85.28 ETS 159.11 ZAE 83.66 ETE 33.27 ZAC 83.33 ETC 96.13 CLP 77.11

PLANETOCENTRIC CONIC

C3 579.517 VHL 24.073 OLA 73.27 RAL 171.13 RAD 6572.5 VEL 26.473 PTH 3.38 VMP 31.740 DPA -86.87 RAP 73.81 ECC10.5374
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 19.09 22 2 22 5058.99 -1.67 248.49 80.64 16.74 23 26 41 4459.0 -9.33 246.58
 160.91 8 49 52 3287.33 -1.67 94.54 80.62 16.74 9 44 40 2687.3 -9.33 92.63
 19.09 22 2 22 5058.99 -1.67 248.49 80.64 16.74 23 26 41 4459.0 -9.33 246.58
 160.91 8 49 52 3287.33 -1.67 94.54 80.62 16.74 9 44 40 2687.3 -9.33 92.63
 19.09 22 2 22 5058.99 -1.67 248.49 80.64 16.74 23 26 41 4459.0 -9.33 246.58
 160.91 8 49 52 3287.33 -1.67 94.54 80.62 16.74 9 44 40 2687.3 -9.33 92.63

DIFFERENTIAL CORRECTIONS

TDE-2.9085 TRA-3.1998 TC3 -.2128 BAU 2.7330
 RDE .4120 RRA-4.4588 RC3 -.2814 FAU-.04838
 FDE .2172 FRA 1.1657 FC3 .0723 BSP 14249
 BDE 2.9375 BRA 5.4882 BC3 .3527 FSP -264

MID-COURSE EXECUTION ACCURACY

SGT 2919.8 SGR 3928.1 SG3 88.6
 RRT .9651 RRF -.9971 RTF -.9819
 SGB 4894.4 R23 -.0186 R13 .9998
 SG1 4855.2 SG2 618.4 THA 53.66

ORBIT DETERMINATION ACCURACY

ST 1053.5 SR 1110.8 SS 805.9
 CRT .6929 CRS .9650 CST .8576
 LSA 1621.4 MSA 603.6 SSA .8
 EL1 1408.9 EL2 598.9 ALF 47.19

LAUNCH DATE APR 12 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

RL 149.95 LAL -.00 LOL 201.41 VL 27.502 GAL 6.66 AZL 64.85 HCA 186.08 SMA 130.92 ECC .18521 INC25.1501 V1 29.714
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.884 GAP -3.98 AZP 115.03 TAL 147.90 TAP 333.98 RCA 106.67 APO 155.16 V2 34.964
 RC 60.521 GL 63.98 GP -80.93 ZAL 77.95 ZAP 82.12 ETS 102.40 ZAE 98.28 ETE 340.64 ZAC 96.26 ETC 44.34 CLP 29.51

PLANETOCENTRIC CONIC

C3 166.881 VHL 12.918 OLA 69.56 RAL 196.29 RAD 6570.8 VEL 16.977 PTH 2.92 VMP 17.512 DPA -71.48 RAP 116.96 ECC 3.7464
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 23.37 23 51 43 4900.99 -11.03 243.23 102.13 20.84 25 13 24 4301.0 -18.49 240.66
 156.63 10 21 12 3150.52 -11.03 93.71 102.11 20.84 11 13 42 2550.5 -18.49 91.14
 23.37 23 51 43 4900.99 -11.03 243.23 102.13 20.84 25 13 24 4301.0 -18.49 240.66
 156.63 10 21 12 3150.52 -11.03 93.71 102.11 20.84 11 13 42 2550.5 -18.49 91.14
 23.37 23 51 43 4900.99 -11.03 243.23 102.13 20.84 25 13 24 4301.0 -18.49 240.66
 156.63 10 21 12 3150.52 -11.03 93.71 102.11 20.84 11 13 42 2550.5 -18.49 91.14

DIFFERENTIAL CORRECTIONS

TDE 4.1137 TRA-3.8075 TC3 -.2474 BAU .5575
 RDE 1.0894 RRA .2051 RC3 -.0350 FAU-.01155
 FDE-1.1778 FRA 1.1064 FC3 .0599 BSP 16534
 BDE 4.2555 BRA 3.8131 BC3 .2499 FSP -419

MID-COURSE EXECUTION ACCURACY

SGT 5208.5 SGR 556.3 SG3 130.2
 RRT -.1107 RRF .1190 RTF -.9998
 SGB 5238.1 R23 -.0071 R13 .9998
 SG1 5208.9 SG2 552.9 THA 179.31

ORBIT DETERMINATION ACCURACY

ST 2331.2 SR 489.5 SS 1015.7
 CRT .6732 CRS .6679 CST 1.0000
 LSA 2564.5 MSA 359.3 SSA 1.3
 EL1 2354.9 EL2 358.3 ALF 8.24

LAUNCH DATE APR 12 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 451.710

RL 149.95 LAL -1.00 LOL 201.41 VL 27.524 GAL 6.63 AZL 74.19 MCA 189.04 SMA 131.08 ECC .18384 INC15.8109 V1 29.714
 RP 108.35 LAP -2.45 LOP 30.11 VP 37.912 GAP -3.55 AZP 105.62 TAL 147.72 TAP 336.76 RCA 106.98 APO 155.18 V2 34.977
 RC 62.420 GL 59.79 GP -78.63 ZAL 71.84 ZAP 79.77 ETS 59.71 ZAE 106.89 ETE 301.21 ZAC 102.19 ETC 7.46 CLP -25.70

PLANETOCENTRIC CONIC

C3 74.299 VHL 8.620 DLA 63.37 RAL 194.32 RAD 6569.4 VEL 13.987 PTH 2.55 VHP 11.907 DPA -62.65 RAP 123.37 ECC 2.2228
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 30.61 0 4 9 4711.56 -20.48 233.30 93.54 28.59 1 22 41 4111.6 -27.45 229.41
 149.39 9 56 59 3009.29 -20.47 91.77 93.51 28.59 10 47 9 2409.3 -27.44 87.89
 30.61 0 4 9 4711.56 -20.48 233.30 93.54 28.59 1 22 41 4111.6 -27.45 229.41
 149.39 9 56 59 3009.29 -20.47 91.77 93.51 28.59 10 47 9 2409.3 -27.44 87.89
 30.61 0 4 9 4711.56 -20.48 233.30 93.54 28.59 1 22 41 4111.6 -27.45 229.41
 149.39 9 56 59 3009.29 -20.47 91.77 93.51 28.59 10 47 9 2409.3 -27.44 87.89

DIFFERENTIAL CORRECTIONS

TDE 2.5869 TRA-2.2963 TC3 -.0925 BAU .1201
 RDE-1.1819 RRA 2.4345 RC3 -.0779 FAU .00337
 FDE-1.1766 FRA 1.4738 FC3 -.0393 BSP 16867
 BDE 2.8441 BRA 3.3466 BC3 .1209 FSP -648

MID-COURSE EXECUTION ACCURACY

SGT 3817.9 SGR 3696.9 SG3 200.6
 RRT -.9651 RRF .9916 RTF -.9898
 SGB 5314.4 R23 -.0112 R13 .9994
 SG1 5267.9 SG2 701.9 THA 135.96

ORBIT DETERMINATION ACCURACY

ST 2000.1 SR 1337.9 SS 1049.9
 CRT -.9182 CRS -.9700 CST .9870
 LSA 2586.5 MSA 449.9 SSA 2.2
 EL1 2364.2 EL2 448.3 ALF 147.11

LAUNCH DATE APR 12 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 458.082

RL 149.95 LAL -1.00 LOL 201.41 VL 27.544 GAL 6.59 AZL 78.89 MCA 192.12 SMA 131.22 ECC .18251 INC11.1111 V1 29.714
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.939 GAP -3.09 AZP 100.87 TAL 147.60 TAP 339.72 RCA 107.27 APO 155.17 V2 34.990
 RC 64.367 GL 53.41 GP -73.42 ZAL 66.00 ZAP 78.55 ETS 42.68 ZAE 113.08 ETE 287.11 ZAC 105.93 ETC 356.24 CLP -45.94

PLANETOCENTRIC CONIC

C3 43.128 VHL 6.567 DLA 57.03 RAL 188.83 RAD 6568.6 VEL 12.826 PTH 2.33 VHP 9.125 DPA -56.31 RAP 126.90 ECC 1.7098
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 38.18 0 1 19 4543.51 -26.48 221.17 79.99 37.44 1 17 3 3943.5 -32.71 215.81
 141.82 9 16 1 2911.24 -26.46 88.91 79.97 37.44 10 4 32 2311.2 -32.70 83.56
 38.18 0 1 19 4543.51 -26.48 221.17 79.99 37.44 1 17 3 3943.5 -32.71 215.81
 141.82 9 16 1 2911.24 -26.46 88.91 79.97 37.44 10 4 32 2311.2 -32.70 83.56
 38.18 0 1 19 4543.51 -26.48 221.17 79.99 37.44 1 17 3 3943.5 -32.71 215.81
 141.82 9 16 1 2911.24 -26.46 88.91 79.97 37.44 10 4 32 2311.2 -32.70 83.56

DIFFERENTIAL CORRECTIONS

TDE 1.4592 TRA-1.4621 TC3 -.0294 BAU .2126
 RDE-1.1348 RRA 2.7771 RC3 -.3676 FAU .01508
 FDE-1.1117 FRA 2.0111 FC3 -.3027 BSP 16891
 BDE 1.8485 BRA 3.1384 BC3 .3688 FSP -948

MID-COURSE EXECUTION ACCURACY

SGT 2667.7 SGR 4586.3 SG3 292.9
 RRT -.9544 RRF .9973 RTF -.9704
 SGB 5305.7 R23 -.0124 R13 .9991
 SG1 5260.1 SG2 694.1 THA 119.60

ORBIT DETERMINATION ACCURACY

ST 1454.4 SR 1662.6 SS 1079.9
 CRT -.9096 CRS -.9889 CST .9612
 LSA 2414.2 MSA 466.4 SSA 3.1
 EL1 2159.4 EL2 465.1 ALF 130.80

LAUNCH DATE APR 12 1967

FLIGHT TIME 178.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 464.493

RL 149.95 LAL -1.00 LOL 201.41 VL 27.561 GAL 6.56 AZL 81.70 MCA 195.25 SMA 131.34 ECC .18136 INC 8.3036 V1 29.714
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.963 GAP -2.62 AZP 98.02 TAL 147.50 TAP 342.75 RCA 107.52 APO 155.16 V2 35.003
 RC 66.356 GL 46.67 GP -68.71 ZAL 60.73 ZAP 78.45 ETS 32.54 ZAE 117.93 ETE 279.40 ZAC 108.84 ETC 351.69 CLP -56.54

PLANETOCENTRIC CONIC

C3 29.551 VHL 5.436 DLA 50.77 RAL 183.80 RAD 6568.2 VEL 12.285 PTH 2.21 VHP 7.500 DPA -51.18 RAP 128.94 ECC 1.4863
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 45.92 0 3 45 4399.31 -28.90 208.20 67.04 46.24 1 17 4 3799.3 -34.25 201.64
 134.08 8 33 29 2864.81 -28.88 86.82 67.02 46.24 9 21 14 2264.8 -34.24 80.25
 45.92 0 3 45 4399.31 -28.90 208.20 67.04 46.24 1 17 4 3799.3 -34.25 201.64
 134.08 8 33 29 2864.81 -28.88 86.82 67.02 46.24 9 21 14 2264.8 -34.24 80.25
 45.92 0 3 45 4399.31 -28.90 208.20 67.04 46.24 1 17 4 3799.3 -34.25 201.64
 134.08 8 33 29 2864.81 -28.88 86.82 67.02 46.24 9 21 14 2264.8 -34.24 80.25

DIFFERENTIAL CORRECTIONS

TDE .9233 TRA -.9821 TC3 -.0490 BAU .2823
 RDE -.9263 RRA 2.8442 RC3 -.7129 FAU .02611
 FDE-1.1113 FRA 2.6474 FC3 -.7648 BSP 16703
 BDE 1.3079 BRA 3.0090 BC3 .7146 FSP -1294

MID-COURSE EXECUTION ACCURACY

SGT 1905.0 SGR 4901.7 SG3 400.9
 RRT -.9283 RRF .9982 RTF -.9409
 SGB 5258.9 R23 -.0083 R13 .9989
 SG1 5216.6 SG2 665.6 THA 110.18

ORBIT DETERMINATION ACCURACY

ST 1030.0 SR 1725.2 SS 1145.5
 CRT -.8766 CRS -.9925 CST .9289
 LSA 2295.5 MSA 455.1 SSA 4.1
 EL1 1989.3 EL2 454.9 ALF 120.76

LAUNCH DATE APR 12 1967

FLIGHT TIME 180.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 470.913

RL 149.95 LAL -1.00 LOL 201.41 VL 27.575 GAL 6.54 AZL 83.56 MCA 198.41 SMA 131.44 ECC .18045 INC 6.4358 V1 29.714
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.985 GAP -2.16 AZP 96.11 TAL 147.40 TAP 345.81 RCA 107.72 APO 155.16 V2 35.016
 RC 68.382 GL 40.20 GP -64.63 ZAL 56.16 ZAP 79.35 ETS 24.73 ZAE 121.88 ETE 273.37 ZAC 111.43 ETC 349.16 CLP -64.45

PLANETOCENTRIC CONIC

C3 22.637 VHL 4.758 DLA 44.82 RAL 179.73 RAD 6567.9 VEL 12.001 PTH 2.14 VHP 6.449 DPA -46.74 RAP 129.98 ECC 1.3725
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 53.68 0 14 22 4266.85 -28.78 195.25 56.19 54.02 1 25 29 3666.8 -33.26 187.93
 126.32 7 50 23 2865.54 -28.77 86.78 56.18 54.01 8 38 8 2265.5 -33.25 79.46
 53.68 0 14 22 4266.85 -28.78 195.25 56.19 54.02 1 25 29 3666.8 -33.26 187.93
 126.32 7 50 23 2865.54 -28.77 86.78 56.18 54.01 8 38 8 2265.5 -33.25 79.46
 53.68 0 14 22 4266.85 -28.78 195.25 56.19 54.02 1 25 29 3666.8 -33.26 187.93
 126.32 7 50 23 2865.54 -28.77 86.78 56.18 54.01 8 38 8 2265.5 -33.25 79.46

DIFFERENTIAL CORRECTIONS

TDE .6292 TRA -.6081 TC3 -.1437 BAU .3200
 RDE -.7973 RRA 2.8461 RC3 -1.0477 FAU .03686
 FDE-1.1911 FRA 3.3404 FC3 -1.4099 BSP 16425
 BDE 1.0157 BRA 2.9104 BC3 1.0575 FSP -1670

MID-COURSE EXECUTION ACCURACY

SGT 1288.0 SGR 5026.7 SG3 518.6
 RRT -.8620 RRF .9984 RTF -.8744
 SGB 5189.1 R23 -.0005 R13 .9988
 SG1 5149.8 SG2 637.4 THA 102.65

ORBIT DETERMINATION ACCURACY

ST 818.6 SR 1739.1 SS 1240.2
 CRT -.8264 CRS -.9933 CST .8857
 LSA 2247.0 MSA 428.4 SSA 5.1
 EL1 1873.9 EL2 427.8 ALF 112.49

LAUNCH DATE APR 12 1967

FLIGHT TIME 182.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

RL 149.95 LAL -.00 LOL 201.41 VL 27.586 GAL 6.53 AZL 84.90 MCA 201.58 SMA 131.52 ECC .17980 INC 5.0990 V1 29.714
 RP 108.18 LAP -1.87 LOP 42.91 VP 38.006 GAP -1.69 AZP 94.74 TAL 147.29 TAP 348.87 RCA 107.87 APO 155.17 V2 35.029
 RC 70.443 GL 34.23 GP -61.02 ZAL 52.34 ZAP 81.12 ETS 18.02 ZAE 125.13 ETE 267.64 ZAC 113.94 ETC 347.37 CLP -71.43

PLANETOCENTRIC CONIC

C3 18.749 VML 4.330 OLA 39.32 RAL 176.50 RAD 6567.8 VEL 11.838 PTH 2.10 VMP 5.724 DPA -42.75 RAP 130.32 ECC 1.3086
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 61.49 0 34 37 4130.99 -27.19 182.22 47.67 60.43 1 43 28 3531.0 -30.90 174.53
 118.51 7 4 21 2911.25 -27.18 89.61 47.66 60.41 7 52 52 2311.2 -30.89 81.92
 61.49 0 34 37 4130.99 -27.19 182.22 47.67 60.43 1 43 28 3531.0 -30.90 174.53
 118.51 7 4 21 2911.25 -27.18 89.61 47.66 60.41 7 52 52 2311.2 -30.89 81.92
 61.49 0 34 37 4130.99 -27.19 182.22 47.67 60.43 1 43 28 3531.0 -30.90 174.53
 118.51 7 4 21 2911.25 -27.18 89.61 47.66 60.41 7 52 52 2311.2 -30.89 81.92

DIFFERENTIAL CORRECTIONS

TOE .4372 TRA -.2648 TC3 -.3056 BAU .3436
 RDE -.7363 RRA 2.8132 RC3-1.3361 FAU .04736
 FDE-1.3472 FRA 4.0518 FC3-2.1867 BSP 16166
 BDE .8563 BRA 2.8256 BC3 1.3706 FSP -2067

MID-COURSE EXECUTION ACCURACY

SGT 780.9 SGR 5044.0 SG3 639.6
 RRT -.6186 RRF .9984 RTF -.6347
 SGB 5104.1 R23 .0101 R13 .9985
 SG1 5067.4 SG2 610.7 TMA 95.55

ORBIT DETERMINATION ACCURACY

ST 594.3 SR 1741.9 SS 1354.8
 CRT -.7336 CRS -.9934 CST .8067
 LSA 2250.8 MSA 396.0 SSA 6.1
 EL1 1798.5 EL2 391.2 ALF 104.77

LAUNCH DATE APR 12 1967

FLIGHT TIME 184.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

RL 149.95 LAL -.00 LOL 201.41 VL 27.595 GAL 6.53 AZL 85.91 MCA 204.76 SMA 131.59 ECC .17940 INC 4.0904 V1 29.714
 RP 108.14 LAP -1.71 LOP 46.12 VP 38.024 GAP -1.23 AZP 93.72 TAL 147.16 TAP 351.93 RCA 107.98 APO 155.19 V2 35.042
 RC 72.534 GL 28.85 GP -57.72 ZAL 49.20 ZAP 83.64 ETS 12.00 ZAE 127.80 ETE 261.77 ZAC 116.46 ETC 345.93 CLP -78.03

PLANETOCENTRIC CONIC

C3 16.427 VML 4.053 OLA 34.32 RAL 173.92 RAD 6567.7 VEL 11.739 PTH 2.07 VMP 5.204 DPA -39.03 RAP 130.15 ECC 1.2703
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.74 1 8 11 3970.86 -24.87 167.98 41.17 65.55 2 14 21 3370.9 -27.95 160.15
 110.26 6 10 15 3010.03 -24.86 96.26 41.17 65.54 7 0 25 2410.0 -27.94 88.44
 69.74 1 8 11 3970.86 -24.87 167.98 41.17 65.55 2 14 21 3370.9 -27.95 160.15
 110.26 6 10 15 3010.03 -24.86 96.26 41.17 65.54 7 0 25 2410.0 -27.94 88.44
 69.74 1 8 11 3970.86 -24.87 167.98 41.17 65.55 2 14 21 3370.9 -27.95 160.15
 110.26 6 10 15 3010.03 -24.86 96.26 41.17 65.54 7 0 25 2410.0 -27.94 88.44

DIFFERENTIAL CORRECTIONS

TOE .2863 TRA .0697 TC3 -.5262 BAU .3603
 RDE -.7121 RRA 2.7550 RC3-1.5538 FAU .05723
 FDE-1.5626 FRA 4.7537 FC3-3.0161 BSP 15881
 BDE .7675 BRA 2.7559 BC3 1.6405 FSP -2461

MID-COURSE EXECUTION ACCURACY

SGT 600.0 SGR 4983.7 SG3 758.5
 RRT .2316 RRF .9982 RTF .2126
 SGB 5019.7 R23 .0224 R13 .9982
 SG1 4985.7 SG2 583.5 TMA 88.38

ORBIT DETERMINATION ACCURACY

ST 406.6 SR 1736.7 SS 1480.7
 CRT -.5047 CRS -.9932 CST .6019
 LSA 2289.5 MSA 363.5 SSA 7.0
 EL1 1749.3 EL2 348.5 ALF 97.02

LAUNCH DATE APR 12 1967

FLIGHT TIME 186.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

RL 149.95 LAL -.00 LOL 201.41 VL 27.602 GAL 6.55 AZL 86.70 MCA 207.95 SMA 131.64 ECC .17925 INC 3.2983 V1 29.714
 RP 108.10 LAP -1.55 LOP 49.32 VP 38.042 GAP -1.76 AZP 92.91 TAL 147.02 TAP 354.98 RCA 108.04 APO 155.23 V2 35.056
 RC 74.652 GL 24.04 GP -54.63 ZAL 46.67 ZAP 86.78 ETS 6.55 ZAE 129.92 ETE 255.63 ZAC 119.04 ETC 344.74 CLP -84.42

PLANETOCENTRIC CONIC

C3 14.996 VML 3.872 OLA 29.83 RAL 171.86 RAD 6567.6 VEL 11.678 PTH 2.05 VMP 4.824 DPA -35.49 RAP 129.63 ECC 1.2468
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.22 2 11 22 3726.69 -22.27 148.27 36.28 69.63 3 13 28 3126.7 -24.84 140.42
 99.78 4 50 35 3212.99 -22.26 110.50 36.28 69.62 5 44 8 2613.0 -24.83 102.65
 100.00 5 9 3 3154.01 -23.54 106.61 36.77 71.03 6 1 37 2554.0 -25.91 98.62
 100.00 4 35 35 3260.90 -21.00 113.54 35.76 68.23 5 29 56 2660.9 -23.77 105.84
 110.00 8 9 53 2586.69 -33.24 66.34 39.46 81.54 8 53 0 1986.7 -34.05 57.19
 110.00 3 51 14 3400.98 -12.10 119.35 31.03 57.78 4 47 55 2801.0 -16.27 112.72

DIFFERENTIAL CORRECTIONS

TOE .1502 TRA .4018 TC3 -.7899 BAU .3745
 RDE -.7051 RRA 2.6722 RC3-1.6925 FAU .06616
 FDE-1.8213 FRA 5.4145 FC3-3.8193 BSP 15629
 BDE .7210 BRA 2.7023 BC3 1.8678 FSP -2840

MID-COURSE EXECUTION ACCURACY

SGT 945.1 SGR 4855.6 SG3 869.5
 RRT .8047 RRF .9981 RTF .7926
 SGB 4946.7 R23 .0358 R13 .9976
 SG1 4915.5 SG2 554.2 TMA 80.98

ORBIT DETERMINATION ACCURACY

ST 303.3 SR 1720.2 SS 1611.3
 CRT .0956 CRS -.9928 CST .0238
 LSA 2352.9 MSA 334.1 SSA 7.7
 EL1 1720.5 EL2 301.9 ALF 89.00

LAUNCH DATE APR 12 1967

FLIGHT TIME 188.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

RL 149.95 LAL -.00 LOL 201.41 VL 27.607 GAL 6.58 AZL 87.34 MCA 211.15 SMA 131.67 ECC .17937 INC 2.6565 V1 29.714
 RP 108.06 LAP -1.37 LOP 52.53 VP 38.057 GAP -1.30 AZP 92.27 TAL 146.86 TAP 358.01 RCA 108.05 APO 155.29 V2 35.069
 RC 76.795 GL 19.77 GP -51.66 ZAL 44.66 ZAP 90.40 ETS 1.62 ZAE 131.54 ETE 249.23 ZAC 121.67 ETC 343.79 CLP -90.65

PLANETOCENTRIC CONIC

C3 14.117 VML 3.757 OLA 25.80 RAL 170.19 RAD 6567.6 VEL 11.641 PTH 2.04 VMP 4.548 DPA -32.07 RAP 128.89 ECC 1.2323
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 8 47 3112.82 -27.12 104.55 34.47 81.53 6 0 39 2512.5 -28.01 95.99
 90.00 1 39 50 3800.33 -12.49 149.30 29.72 64.38 2 43 10 3200.3 -15.84 142.22
 100.00 6 56 16 2766.00 -29.36 79.37 34.79 84.12 7 42 22 2166.0 -29.87 70.60
 100.00 2 35 2 3622.08 -10.48 135.17 28.68 61.84 3 35 24 3022.1 -14.16 128.31
 110.00 8 51 51 2404.38 -34.18 52.21 35.09 89.83 9 31 55 1804.4 -33.83 42.98
 110.00 2 55 56 3556.47 -6.33 127.69 26.17 56.34 3 55 13 2956.5 -10.71 121.34

DIFFERENTIAL CORRECTIONS

TOE .0161 TRA .7305 TC3-1.0785 BAU .3886
 RDE -.7026 RRA 2.5665 RC3-1.7537 FAU .07381
 FDE-2.1040 FRA 6.0043 FC3-4.5263 BSP 15423
 BDE .7028 BRA 2.6684 BC3 2.0588 FSP -3182

MID-COURSE EXECUTION ACCURACY

SGT 1479.3 SGR 4667.3 SG3 967.1
 RRT .9299 RRF .9979 RTF .9217
 SGB 4896.1 R23 .0491 R13 .9968
 SG1 4868.2 SG2 521.5 TMA 73.38

ORBIT DETERMINATION ACCURACY

ST 372.8 SR 1688.3 SS 1740.1
 CRT .7288 CRS -.9925 CST -.6397
 LSA 2433.6 MSA 308.4 SSA 8.4
 EL1 1710.5 EL2 251.9 ALF 80.65

LAUNCH DATE APR 12 1967

FLIGHT TIME 190.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 502.870

RL 149.95 LAL -1.00 LOL 201.41 VL 27.609 GAL 6.63 AZL 87.88 MCA 214.35 SMA 131.69 ECC .17973 INC 2.122H V1 29.714
 RP 107.02 LAP -1.20 LOP 55.74 VP 38.071 GAP .16 AZP 91.75 TAL 146.67 TAP 1.03 RCA 107.02 APO 155.36 V2 35.042
 RC 74.95H GL 15.99 GP -44.75 ZAL 43.06 ZAP 94.40 ETS 357.20 ZAE 132.65 ETE 242.70 ZAC 124.32 ETC 343.14 CLP -96.64

PLANETOCENTRIC CONIC

C3 13.602 VML 3.66H DLA 22.21 RAL 168.83 RAD 6567.5 VEL 11.618 PTH 2.04 VMP 4.351 DPA -24.73 RAP 124.02 ECC 1.2239
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 1 22 2902.39 -28.30 89.31 31.54 89.06 6 49 45 2302.4 -28.13 80.65
 90.00 0 36 25 3994.17 -6.56 160.45 25.78 62.39 1 42 59 3394.2 -10.20 153.67
 100.00 7 34 43 2588.53 -29.88 66.22 31.54 91.01 8 21 51 1988.5 -29.42 57.44
 100.00 1 41 46 3783.27 -5.17 144.19 25.02 60.52 2 44 49 3183.3 -9.06 137.57
 110.00 9 20 5 2271.40 -33.73 41.86 31.26 95.94 9 57 56 1671.4 -32.54 32.82
 110.00 2 16 53 3673.17 -1.90 133.81 22.99 55.86 3 18 6 3073.2 -6.36 127.54

DIFFERENTIAL CORRECTIONS

TDE -.1207 TRA 1.0536 TC3-1.3719 BAU .4025
 RDE -.6943 RRA 2.4433 RC3-1.7372 FAU .07950
 FDE-2.3842 FRA 6.5035 FC3-5.0598 BSP 15251
 BDE .7044 BRA 2.6608 BC3 2.2136 FSP -3458

MID-COURSE EXECUTION ACCURACY

SGT 2045.8 SGR 4428.9 SG3 1046.6
 RRT .9655 RRF .9976 RTF .9590
 SGB 4878.6 R23 .0610 R13 .9958
 SGI 4854.3 SG2 486.1 TMA 65.71

ORBIT DETERMINATION ACCURACY

ST 563.4 SR 1636.4 SS 1858.7
 CRT .9283 CRS -.9920 CST -.8738
 LSA 2523.4 MSA 287.0 SSA 9.0
 EL1 1719.2 EL2 199.5 ALF 72.03

LAUNCH DATE APR 12 1967

FLIGHT TIME 192.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 509.212

RL 149.95 LAL -1.00 LOL 201.41 VL 27.610 GAL 6.69 AZL 88.33 MCA 217.56 SMA 131.69 ECC .18036 INC 1.6697 V1 29.714
 RP 107.98 LAP -1.02 LOP 58.95 VP 38.083 GAP .61 AZP 91.32 TAL 146.47 TAP 4.02 RCA 107.94 APO 155.45 V2 35.094
 RC 81.139 GL 12.63 GP -45.89 ZAL 41.79 ZAP 98.65 ETS 353.28 ZAE 133.26 ETE 236.20 ZAC 126.91 ETC 342.84 CLP -102.44

PLANETOCENTRIC CONIC

C3 13.345 VML 3.653 DLA 19.00 RAL 167.73 RAD 6567.5 VEL 11.607 PTH 2.03 VMP 4.218 DPA -25.44 RAP 127.11 ECC 1.2196
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 35 5 2758.73 -28.01 78.82 28.90 94.31 7 21 4 2158.7 -27.12 70.27
 90.00 23 50 0 4129.52 -2.24 160.05 23.29 61.76 24 58 49 3529.5 -5.99 161.39
 100.00 8 8 5 2458.84 -29.33 56.62 28.76 96.03 8 49 4 1858.8 -28.19 48.01
 100.00 1 3 37 3904.64 -1.08 150.88 22.65 60.13 2 8 41 3304.6 -5.05 144.34
 110.00 9 41 36 2166.28 -32.70 33.83 28.19 100.58 10 17 42 1566.3 -30.89 25.07
 110.00 1 46 35 3769.97 1.80 138.86 20.85 55.86 2 49 25 3170.0 -2.69 132.66

DIFFERENTIAL CORRECTIONS

TDE -.2625 TRA 1.3660 TC3-1.6541 BAU .4198
 RDE -.6824 RRA 2.3022 RC3-1.6732 FAU .08373
 FDE-2.6596 FRA 6.8792 FC3-5.4316 BSP 15269
 BDE .7312 BRA 2.6769 BC3 2.3528 FSP -3686

MID-COURSE EXECUTION ACCURACY

SGT 2600.8 SGR 4150.1 SG3 1104.3
 RRT .9794 RRF .9972 RTF .9738
 SGB 4897.7 R23 .0707 R13 .9947
 SGI 4877.2 SG2 447.2 TMA 58.16

ORBIT DETERMINATION ACCURACY

ST 795.5 SR 1568.3 SS 1967.2
 CRT .9785 CRS -.9913 CST -.9429
 LSA 2624.7 MSA 270.1 SSA 9.6
 EL1 1752.3 EL2 147.0 ALF 63.40

LAUNCH DATE APR 12 1967

FLIGHT TIME 194.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 515.535

RL 149.95 LAL -1.00 LOL 201.41 VL 27.609 GAL 6.76 AZL 88.72 MCA 220.77 SMA 131.69 ECC .18124 INC 1.2779 V1 29.714
 RP 107.94 LAP -1.83 LOP 62.17 VP 38.094 GAP 1.07 AZP 90.97 TAL 146.23 TAP 7.00 RCA 107.82 APO 155.55 V2 35.107
 RC 83.336 GL 9.66 GP -43.08 ZAL 40.77 ZAP 103.05 ETS 349.85 ZAE 133.42 ETE 229.93 ZAC 129.40 ETC 342.94 CLP -108.00

PLANETOCENTRIC CONIC

C3 13.281 VML 3.644 DLA 16.12 RAL 166.84 RAD 6567.5 VEL 11.605 PTH 2.03 VMP 4.140 DPA -22.32 RAP 126.24 ECC 1.2186
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 0 33 2647.45 -27.18 70.78 26.78 98.25 7 44 41 2047.5 -25.76 62.41
 90.00 23 17 27 4238.70 1.29 174.14 21.68 61.71 24 28 5 3638.7 -2.50 167.51
 100.00 8 30 53 2356.12 -28.37 49.14 26.57 99.85 9 10 10 1756.1 -26.71 40.73
 100.00 0 33 44 4005.26 2.33 156.40 21.10 60.19 1 40 29 3405.3 -1.65 149.88
 110.00 9 59 5 2080.20 -31.44 27.43 25.82 104.17 10 33 45 1480.2 -29.17 18.96
 110.00 1 22 2 3853.95 5.00 143.26 19.44 56.14 2 26 16 3254.0 .52 137.04

DIFFERENTIAL CORRECTIONS

TDE -.4090 TRA 1.6656 TC3-1.9114 BAU .4388
 RDE -.6618 RRA 2.1522 RC3-1.5667 FAU .08600
 FDE-2.9057 FRA 7.1304 FC3-5.6059 BSP 15416
 BDE .7780 BRA 2.7214 BC3 2.4715 FSP -3838

MID-COURSE EXECUTION ACCURACY

SGT 3128.1 SGR 3846.2 SG3 1138.9
 RRT .9859 RRF .9966 RTF .9808
 SGB 4957.6 R23 .0766 R13 .9937
 SGI 4940.8 SG2 407.7 TMA 50.96

ORBIT DETERMINATION ACCURACY

ST 1041.2 SR 1483.4 SS 2059.4
 CRT .9937 CRS -.9903 CST -.9686
 LSA 2731.2 MSA 257.1 SSA 10.0
 EL1 1809.7 EL2 95.8 ALF 54.99

LAUNCH DATE APR 12 1967

FLIGHT TIME 196.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 521.837

RL 149.95 LAL -1.00 LOL 201.41 VL 27.607 GAL 6.86 AZL 89.07 MCA 223.98 SMA 131.67 ECC .18237 INC .9336 V1 29.714
 RP 107.91 LAP -1.65 LOP 65.38 VP 38.104 GAP 1.53 AZP 90.67 TAL 145.97 TAP 9.95 RCA 107.66 APO 155.68 V2 35.119
 RC 85.546 GL 7.02 GP -40.34 ZAL 39.94 ZAP 107.48 ETS 346.89 ZAE 133.17 ETE 224.05 ZAC 131.70 ETC 343.45 CLP -113.21

PLANETOCENTRIC CONIC

C3 13.369 VML 3.656 DLA 13.54 RAL 166.13 RAD 6567.5 VEL 11.608 PTH 2.03 VMP 4.109 DPA -19.29 RAP 125.47 ECC 1.2200
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 21 14 2557.05 -26.14 64.37 25.18 101.30 8 3 51 1957.0 -24.32 56.18
 90.00 22 51 7 4332.00 4.29 179.36 20.68 61.98 24 3 19 3732.0 .51 172.72
 100.00 8 49 41 2271.80 -27.24 43.13 24.92 102.82 9 27 33 1671.8 -25.20 34.92
 100.00 0 9 17 4092.47 5.27 161.20 20.14 60.53 1 17 30 3492.5 1.31 154.66
 110.00 10 13 53 2008.34 -30.12 22.25 24.04 106.98 10 47 21 1408.3 -27.50 14.04
 110.00 1 1 34 3928.70 7.82 147.21 18.57 56.62 2 7 3 3328.7 3.38 140.94

DIFFERENTIAL CORRECTIONS

TDE -.5595 TRA 1.9510 TC3-2.1340 BAU .4594
 RDE -.6327 RRA 1.9994 RC3-1.4329 FAU .08634
 FDE-3.1115 FRA 7.2586 FC3-5.5909 BSP 15699
 BDE .8447 BRA 2.7936 BC3 2.5704 FSP -3914

MID-COURSE EXECUTION ACCURACY

SGT 3618.5 SGR 3530.7 SG3 1150.7
 RRT .9893 RRF .9957 RTF .9846
 SGB 5055.6 R23 .0779 R13 .9927
 SGI 5042.0 SG2 370.3 TMA 44.29

ORBIT DETERMINATION ACCURACY

ST 1288.8 SR 1385.2 SS 2133.1
 CRT .9987 CRS -.9849 CST -.9803
 LSA 2840.5 MSA 247.3 SSA 10.4
 EL1 1891.4 EL2 48.2 ALF 47.07

LAUNCH DATE APR 12 1967

FLIGHT TIME 198.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 528.117

RL 149.95 LAL -.00 LOL 201.41 VL 27.603 GAL 6.96 AZL 89.37 MCA 227.20 SMA 131.64 ECC .18377 INC .6268 VI 29.714
 RP 107.87 LAP -.46 LOP 68.60 VP 38.112 GAP 1.99 AZP 90.43 TAL 145.69 TAP 12.88 RCA 107.45 APO 155.83 V2 35.131
 RC 87.767 GL 4.67 GP -37.69 ZAL 39.25 ZAP 111.88 ETS 344.36 ZAE 132.59 ETE 218.69 ZAC 133.76 ETC 344.37 CLP-118.09

PLANETOCENTRIC CONIC

C3 13.587 VML 3.686 DLA 11.22 RAL 165.58 RAD 6567.5 VEL 11.618 PTH 2.04 VMP 4.117 DPA -16.40 RAP 124.84 ECC 1.2236
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 38 46 2481.78 -25.03 59.14 24.03 103.70 8 20 8 1881.8 -22.90 51.12
 90.00 22 29 10 4414.28 6.90 183.99 20.16 62.47 23 42 44 3814.3 3.16 177.31
 100.00 9 5 46 2201.23 -26.07 38.21 23.73 105.16 9 42 27 1601.2 -23.74 30.19
 100.00 23 44 52 4170.06 7.85 165.52 19.65 61.06 24 54 22 3570.1 3.93 158.93
 110.00 10 26 47 1947.68 -28.84 17.99 22.77 109.20 10 59 15 1347.7 -25.95 10.01
 110.00 0 44 15 3996.38 10.34 150.84 18.14 57.23 1 50 52 3396.4 5.95 144.50

DIFFERENTIAL CORRECTIONS

TDE -.7426 TRA 2.2224 TC3-2.3158 BAU .4811
 RDE -.5965 RRA 1.8491 RC3-1.2856 FAU .08495
 FDE-3.2703 FRA 7.2752 FC3-5.4131 BSP 16100
 BDE .9293 BRA 2.8911 BC3 2.6488 FSP -3919

MID-COURSE EXECUTION ACCURACY

SGT 4067.6 SGR 3216.3 SG3 1141.9
 RRT .9910 RRF .9946 RTF .9867
 SGB 5185.5 R23 .0740 R13 .9919
 SG1 5174.5 SG2 337.8 TMA 38.28

ORBIT DETERMINATION ACCURACY

ST 1531.6 SR 1278.0 SS 2187.7
 CRT .9999 CRS -.9870 CST -.9864
 LSA 2950.8 MSA 240.5 SSA 10.8
 EL1 1994.8 EL2 11.4 ALF 39.84

LAUNCH DATE APR 12 1967

FLIGHT TIME 200.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 534.375

RL 149.95 LAL -.00 LOL 201.41 VL 27.597 GAL 7.09 AZL 89.65 MCA 230.41 SMA 131.60 ECC .18542 INC .3503 VI 29.714
 RP 107.83 LAP -.27 LOP 71.82 VP 38.118 GAP 2.45 AZP 90.22 TAL 145.37 TAP 15.79 RCA 107.20 APO 156.00 V2 35.143
 RC 89.996 GL 2.57 GP -35.15 ZAL 38.66 ZAP 116.16 ETS 342.20 ZAE 131.74 ETE 213.91 ZAC 135.53 ETC 345.67 CLP-122.63

PLANETOCENTRIC CONIC

C3 13.918 VML 3.731 DLA 9.13 RAL 165.16 RAD 6567.5 VEL 11.632 PTH 2.04 VMP 4.162 DPA -13.69 RAP 124.38 ECC 1.2290
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 54 5 2418.24 -23.93 54.81 23.27 105.60 8 34 23 1818.2 -21.56 46.94
 90.00 22 10 30 4488.35 9.21 188.21 20.01 63.10 23 25 19 3888.4 5.53 181.46
 100.00 9 19 53 2141.50 -24.94 34.13 22.94 107.03 9 55 35 1541.5 -22.38 26.27
 100.00 23 27 23 4240.32 10.14 169.48 19.52 61.73 24 38 4 3640.3 6.28 162.81
 110.00 10 38 17 1896.16 -27.63 14.47 21.91 110.97 11 9 53 1296.2 -24.53 6.67
 110.00 0 29 25 4058.43 12.60 154.22 18.06 57.96 1 37 3 9458.4 8.28 147.79

DIFFERENTIAL CORRECTIONS

TDE -.8659 TRA 2.4826 TC3-2.4504 BAU .5021
 RDE -.5531 RRA 1.7071 RC3-1.1307 FAU .08175
 FDE-3.3725 FRA 7.2043 FC3-5.0849 BSP 16546
 BDE 1.0274 BRA 3.0129 BC3 2.6987 FSP -3845

MID-COURSE EXECUTION ACCURACY

SGT 4474.8 SGR 2912.8 SG3 1115.9
 RRT .9917 RRF .9930 RTF .9880
 SGB 5339.4 R23 .0651 R13 .9912
 SG1 5330.1 SG2 313.9 TMA 32.97

ORBIT DETERMINATION ACCURACY

ST 1764.5 SR 1164.8 SS 2220.7
 CRT .9993 CRS -.9843 CST -.9900
 LSA 3057.1 MSA 235.7 SSA 11.2
 EL1 2114.0 EL2 36.8 ALF 33.42

LAUNCH DATE APR 12 1967

FLIGHT TIME 202.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 540.609

RL 149.95 LAL -.00 LOL 201.41 VL 27.590 GAL 7.23 AZL 89.90 MCA 233.64 SMA 131.55 ECC .18735 INC .0977 VI 29.714
 RP 107.80 LAP -.08 LOP 75.04 VP 38.124 GAP 2.92 AZP 90.06 TAL 145.04 TAP 18.67 RCA 106.90 APO 156.19 V2 35.154
 RC 92.232 GL .71 GP -32.76 ZAL 38.14 ZAP 120.28 ETS 340.36 ZAE 130.72 ETE 209.72 ZAC 136.97 ETC 347.29 CLP-126.84

PLANETOCENTRIC CONIC

C3 14.354 VML 3.789 DLA 7.23 RAL 164.86 RAD 6567.6 VEL 11.651 PTH 2.05 VMP 4.237 DPA -11.18 RAP 124.10 ECC 1.2382
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 7 44 2364.20 -22.90 51.19 22.84 107.13 8 47 8 1764.2 -20.33 43.45
 90.00 21 54 27 4556.00 11.26 192.11 20.18 63.85 23 10 23 3956.0 7.66 185.29
 100.00 9 32 32 2090.67 -23.89 30.72 22.50 108.53 -10 7 23 1490.7 -21.14 23.01
 100.00 23 12 20 4304.76 12.19 173.16 19.70 62.50 24 24 5 3704.8 8.41 166.41
 110.00 10 48 42 1852.31 -26.53 11.54 21.41 112.39 11 19 34 1252.3 -23.26 3.90
 110.00 0 16 36 4115.88 14.65 157.40 18.27 58.77 1 25 11 3515.9 10.41 150.87

DIFFERENTIAL CORRECTIONS

TDE-1.0219 TRA 2.7291 TC3-2.5488 BAU .5245
 RDE -.5083 RRA 1.5729 RC3 -.9878 FAU .07786
 FDE-3.4378 FRA 7.0513 FC3-4.6959 BSP 17128
 BDE 1.1413 BRA 3.1500 BC3 2.7335 FSP -3740

MID-COURSE EXECUTION ACCURACY

SGT 4840.1 SGR 2627.0 SG3 1076.5
 RRT .9917 RRF .9910 RTF .9888
 SGB 5507.1 R23 .0521 R13 .9907
 SG1 5499.1 SG2 296.9 TMA 28.38

ORBIT DETERMINATION ACCURACY

ST 1987.3 SR 1053.0 SS 2239.9
 CRT .9973 CRS -.9806 CST -.9922
 LSA 3165.7 MSA 232.5 SSA 11.5
 EL1 2248.1 EL2 68.1 ALF 27.88

LAUNCH DATE APR 12 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 546.817

RL 149.95 LAL -.00 LOL 201.41 VL 27.582 GAL 7.39 AZL 90.13 MCA 236.86 SMA 131.49 ECC .18954 INC .1329 VI 29.714
 RP 107.77 LAP .11 LOP 78.27 VP 38.128 GAP 3.38 AZP 89.93 TAL 144.67 TAP 21.53 RCA 106.57 APO 156.41 V2 35.165
 RC 94.474 GL -.95 GP -30.52 ZAL 37.67 ZAP 124.21 ETS 338.78 ZAE 129.59 ETE 206.12 ZAC 138.08 ETC 349.14 CLP-130.74

PLANETOCENTRIC CONIC

C3 14.891 VML 3.859 DLA 5.52 RAL 164.66 RAD 6567.6 VEL 11.674 PTH 2.05 VMP 4.340 DPA -8.87 RAP 124.03 ECC 1.2451
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 20 5 2318.08 -21.94 48.15 22.71 108.37 8 58 43 1718.1 -19.23 40.52
 90.00 21 40 32 4618.46 13.11 195.77 20.60 64.68 22 57 30 4018.5 9.59 188.86
 100.00 9 44 2 2047.31 -22.92 27.87 22.34 109.73 10 18 9 1447.3 -20.02 20.27
 100.00 22 59 16 4364.47 14.05 176.63 20.13 63.34 24 12 0 3764.5 10.35 169.78
 110.00 10 58 15 1815.03 -25.54 9.09 21.20 113.53 11 28 30 1215.0 -22.14 1.59
 110.00 0 5 28 4169.51 16.52 160.44 18.74 59.64 1 14 57 3569.5 12.37 153.79

DIFFERENTIAL CORRECTIONS

TDE-1.1783 TRA 2.9670 TC3-2.6069 BAU .5462
 RDE -.4614 RRA 1.4505 RC3 -.8545 FAU .07312
 FDE-3.4607 FRA 6.8466 FC3-4.2508 BSP 17744
 BDE 1.2654 BRA 3.3026 BC3 2.7434 FSP -3594

MID-COURSE EXECUTION ACCURACY

SGT 5166.9 SGR 2363.5 SG3 1027.6
 RRT .9910 RRF .9883 RTF .9892
 SGB 5681.8 R23 .0369 R13 .9903
 SG1 5674.4 SG2 288.3 TMA 24.45

ORBIT DETERMINATION ACCURACY

ST 2197.1 SR 943.9 SS 2243.7
 CRT .9940 CRS -.9757 CST -.9937
 LSA 3270.9 MSA 230.6 SSA 11.7
 EL1 2389.4 EL2 94.8 ALF 23.16

LAUNCH DATE APR 12 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 552.998

RL 149.95 LAL -.00 LOL 201.41 VL 27.572 GAL 7.56 AZL 90.35 MCA 240.09 SMA 131.42 ECC .19202 INC .3491 V1 29.714
 RP 107.73 LAP .30 LOP 81.49 VP 38.131 GAP 3.86 AZP 89.83 TAL 144.28 TAP 24.37 RCA 106.19 APO 156.66 V2 35.175
 RC 96.719 GL -2.42 GP -28.44 ZAL 37.23 ZAP 127.92 ETS 337.42 ZAE 128.40 ETE 203.04 ZAC 138.84 ETC 351.14 CLP-134.35

PLANETOCENTRIC CONIC

C3 15.530 VML 3.941 DLA 3.96 RAL 164.56 RAD 6567.6 VEL 11.701 PTH 2.06 VMP 4.468 DPA -6.77 RAP 124.14 ECC 1.2556
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 31 24 2278.74 -21.07 45.59 22.82 109.37 9 9 23 1678.7 -18.24 38.06
 90.00 21 28 22 4676.66 14.78 199.23 21.26 65.57 22 46 19 4076.7 11.36 192.22
 100.00 9 54 36 2010.38 -22.05 25.47 22.44 110.71 10 28 7 1410.4 -19.04 17.97
 100.00 22 47 51 4420.25 15.72 179.92 20.80 64.25 24 1 32 3820.2 12.13 172.97
 110.00 11 7 6 1783.47 -24.67 7.06 21.25 114.45 11 36 50 1183.5 -21.16 359.67
 110.00 23 51 51 4219.93 18.23 163.34 19.43 60.57 25 2 11 3619.9 14.18 156.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.3351 TRA 3.1979 TC3-2.6296 BAU .5668 SGT 5457.4 SGR 2124.0 SG3 972.7 ST 2393.0 SR 839.9 SS 2234.1
 ROE -.4137 RRA 1.3401 RC3 -.7343 FAU .06790 RRT .9895 RRF .9848 RTF .9894 CRT .9891 CRS -.9690 CST -.9948
 FDE-3.4484 FRA 6.6067 FC3-3.7849 BSP 18381 SGB 5856.2 R23 .0213 R13 .9900 LSA 3372.0 MSA 229.3 SSA 11.9
 BDE 1.3977 BRA 3.4673 BC3 2.7302 FSP -3423 SG1 5849.1 SG2 286.8 THA 21.11 EL1 2533.4 EL2 117.0 ALF 19.19

LAUNCH DATE APR 12 1967

FLIGHT TIME 208.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 559.152

RL 149.95 LAL -.00 LOL 201.41 VL 27.562 GAL 7.76 AZL 90.55 MCA 243.31 SMA 131.35 ECC .19478 INC .5514 V1 29.714
 RP 107.70 LAP .49 LOP 84.72 VP 38.132 GAP 4.34 AZP 89.75 TAL 143.87 TAP 27.18 RCA 105.76 APO 156.93 V2 35.185
 RC 98.967 GL -3.74 GP -26.54 ZAL 36.80 ZAP 131.42 ETS 336.22 ZAE 127.20 ETE 200.43 ZAC 139.26 ETC 353.21 CLP-137.68

PLANETOCENTRIC CONIC

C3 16.273 VML 4.034 DLA 2.55 RAL 164.54 RAD 6567.7 VEL 11.733 PTH 2.07 VMP 4.619 DPA -4.88 RAP 124.45 ECC 1.2678
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 41 53 2245.30 -20.30 43.44 23.16 110.17 9 19 18 1645.3 -17.37 35.99
 90.00 21 17 43 4731.29 16.29 202.53 22.12 66.51 22 36 35 4131.3 12.97 195.42
 100.00 10 4 25 1979.09 -21.28 23.46 22.76 111.50 10 37 24 1379.1 -18.18 16.04
 100.00 22 37 53 4472.73 17.25 183.07 21.67 65.20 23 52 25 3872.7 13.76 176.01
 110.00 11 15 23 1756.96 -23.91 5.37 21.53 115.19 11 44 40 1157.0 -20.32 358.07
 110.00 23 43 24 4267.62 19.81 166.15 20.32 61.55 24 54 32 3667.6 15.85 159.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.4919 TRA 3.4253 TC3-2.6194 BAU .5860 SGT 5716.1 SGR 1909.2 SG3 914.7 ST 2574.7 SR 742.7 SS 2213.2
 ROE -.3663 RRA 1.2420 RC3 -.6275 FAU .06236 RRT .9871 RRF .9803 RTF .9894 CRT .9819 CRS -.9599 CST -.9956
 FDE-3.4068 FRA 6.3499 FC3-3.3176 BSP 18999 SGB 6026.5 R23 .0070 R13 .9897 LSA 3467.9 MSA 228.4 SSA 12.0
 BDE 1.5363 BRA 3.6436 BC3 2.6935 FSP -3233 SG1 6019.5 SG2 290.8 THA 18.29 EL1 2676.2 EL2 135.5 ALF 15.85

LAUNCH DATE APR 12 1967

FLIGHT TIME 210.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 565.275

RL 149.95 LAL -.00 LOL 201.41 VL 27.550 GAL 7.98 AZL 90.74 MCA 246.55 SMA 131.27 ECC .19785 INC .7428 V1 29.714
 RP 107.67 LAP .68 LOP 87.95 VP 38.133 GAP 4.82 AZP 89.70 TAL 143.43 TAP 29.98 RCA 105.29 APO 157.24 V2 35.195
 RC 101.218 GL -4.90 GP -24.79 ZAL 36.38 ZAP 134.69 ETS 335.13 ZAE 126.03 ETE 198.23 ZAC 139.38 ETC 355.27 CLP-140.78

PLANETOCENTRIC CONIC

C3 17.124 VML 4.138 DLA 1.26 RAL 164.59 RAD 6567.7 VEL 11.769 PTH 2.08 VMP 4.790 DPA -3.20 RAP 124.94 ECC 1.2818
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 51 39 2217.09 -19.63 41.64 23.69 110.83 9 28 36 1617.1 -16.62 34.26
 90.00 21 8 23 4782.90 17.66 205.70 23.16 67.50 22 28 6 4182.9 14.46 198.48
 100.00 10 13 35 1952.82 -20.62 21.79 23.28 112.13 10 46 7 1352.8 -17.44 14.44
 100.00 22 29 8 4522.40 18.64 186.10 22.72 66.20 23 44 31 3922.4 15.27 178.93
 110.00 11 23 10 1735.00 -23.27 3.99 22.01 115.78 11 52 5 1135.0 -19.61 356.76
 110.00 23 36 2 4312.99 21.25 168.87 21.39 62.57 24 47 55 3713.0 17.41 161.85

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.6469 TRA 3.6541 TC3-2.5757 BAU .6021 SGT 5946.0 SGR 1718.3 SG3 855.9 ST 2740.2 SR 652.6 SS 2180.9
 ROE -.3189 RRA 1.1561 RC3 -.5321 FAU .05650 RRT .9835 RRF .9747 RTF .9894 CRT .9713 CRS -.9472 CST -.9962
 FDE-3.3377 FRA 6.0919 FC3-2.8566 BSP 19535 SGB 6189.3 R23 -.0047 R13 .9894 LSA 3555.2 MSA 227.8 SSA 12.2
 BDE 1.6775 BRA 3.8326 BC3 2.6301 FSP -3024 SG1 6182.1 SG2 298.9 THA 15.90 EL1 2812.8 EL2 151.1 ALF 13.06

LAUNCH DATE APR 12 1967

FLIGHT TIME 212.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 571.365

RL 149.95 LAL -.00 LOL 201.41 VL 27.538 GAL 8.22 AZL 90.93 MCA 249.78 SMA 131.18 ECC .20123 INC .9250 V1 29.714
 RP 107.65 LAP .87 LOP 91.18 VP 38.132 GAP 5.32 AZP 89.68 TAL 142.97 TAP 32.75 RCA 104.78 APO 157.57 V2 35.204
 RC 103.470 GL -5.94 GP -23.20 ZAL 35.95 ZAP 137.76 ETS 334.11 ZAE 124.90 ETE 196.37 ZAC 139.22 ETC 357.25 CLP-143.65

PLANETOCENTRIC CONIC

C3 18.091 VML 4.253 DLA .09 RAL 164.71 RAD 6567.7 VEL 11.810 PTH 2.09 VMP 4.981 DPA -1.72 RAP 125.59 ECC 1.2977
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 0 48 2193.58 -19.05 40.16 24.40 111.35 9 37 21 1593.6 -15.98 32.82
 90.00 21 0 11 4831.92 18.91 208.75 24.36 68.52 22 20 43 4231.9 15.83 201.43
 100.00 10 22 11 1931.06 -20.06 20.42 23.97 112.64 10 54 22 1331.1 -16.81 13.13
 100.00 22 21 29 4569.67 19.91 189.04 23.93 67.23 23 37 39 3969.7 16.66 181.76
 110.00 11 30 31 1717.14 -22.73 2.88 22.66 116.24 11 59 8 1117.1 -19.02 355.71
 110.00 23 29 38 4356.36 22.59 171.53 22.62 63.63 24 42 14 3756.4 18.86 164.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.8057 TRA 3.8804 TC3-2.5152 BAU .6181 SGT 6149.6 SGR 1549.1 SG3 797.9 ST 2894.8 SR 572.0 SS 2145.4
 ROE -.2745 RRA 1.0796 RC3 -.4525 FAU .05107 RRT .9788 RRF .9677 RTF .9892 CRT .9568 CRS -.9303 CST -.9967
 FDE-3.2612 FRA 5.8297 FC3-2.4440 BSP 20116 SGB 6341.7 R23 -.0146 R13 .9891 LSA 3641.1 MSA 227.2 SSA 12.3
 BDE 1.8264 BRA 4.0278 BC3 2.5556 FSP -2829 SG1 6334.2 SG2 307.9 THA 13.88 EL1 2946.2 EL2 163.4 ALF 10.74

LAUNCH DATE APR 12 1967

FLIGHT TIME 214.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 577.420
 RL 149.95 LAL -.00 LOL 201.41 VL 27.525 GAL 8.47 AZL 91.10 MCA 253.01 SMA 131.08 ECC .20494 INC 1.0999 V1 29.714
 RP 107.62 LAP 1.05 LOP 94.42 VP 38.130 GAP 5.82 AZP 89.68 TAL 142.49 TAP 35.50 RCA 104.22 APO 157.94 V2 35.212
 RC 105.723 GL -6.85 GP -21.75 ZAL 35.53 ZAP 140.62 ETS 333.14 ZAE 123.83 ETE 194.80 ZAC 138.80 ETC 359.12 CLP-146.33

PLANETOCENTRIC CONIC

C3 19.185 VHL 4.380 DLA -.97 RAL 164.89 RAD 6567.8 VEL 11.856 PTM 2.10 VMP 5.190 DPA -.41 RAP 126.40 ECC 1.3157
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 9 24 2174.35 -18.57 38.95 25.27 111.77 9 45 38 1574.3 -15.45 31.66
 90.00 20 53 0 4878.71 20.05 211.71 25.72 69.58 22 14 19 4278.7 17.09 204.29
 100.00 10 30 17 1913.42 -19.59 19.32 24.83 113.04 11 2 11 1313.4 -16.30 12.07
 100.00 22 14 48 4614.87 21.08 191.89 25.29 68.30 23 31 43 4014.9 17.95 184.49
 110.00 11 37 29 1703.05 -22.31 2.00 23.48 116.60 12 5 53 1103.0 -18.56 354.88
 110.00 23 24 5 4398.01 23.82 174.13 24.00 64.73 24 37 23 3798.0 20.22 166.84

DIFFERENTIAL CORRECTIONS

TDE-1.9655 TRA 4.1098 TC3-2.4346 BAU .6322
 RDE -.2316 RRA 1.0124 RC3 -.3843 FAU .04581
 FDE-3.1738 FRA 5.5766 FC3-2.0674 BSP 20660
 BDE 1.9791 BRA 4.2327 BC3 2.4647 FSP -2638

MID-COURSE EXECUTION ACCURACY

SGT 6330.1 SGR 1399.9 SG3 742.0
 RRT .9727 RRF .9593 RTF .9891
 SGB 6483.0 R23 -.0225 R13 .9889
 SG1 6475.2 SG2 317.8 TMA 12.17

ORBIT DETERMINATION ACCURACY

ST 3035.9 SR -499.8 SS 2104.5
 CRT .9363 CRS -.9072 CST -.9971
 LSA 3720.7 MSA 226.7 SSA 12.4
 EL1 3071.9 EL2 173.5 ALF 8.79

LAUNCH DATE APR 12 1967

FLIGHT TIME 216.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 583.437
 RL 149.95 LAL -.00 LOL 201.41 VL 27.511 GAL 8.76 AZL 91.27 MCA 256.25 SMA 130.98 ECC .20900 INC 1.2689 V1 29.714
 RP 107.60 LAP 1.23 LOP 97.65 VP 38.127 GAP 6.34 AZP 89.70 TAL 141.99 TAP 38.24 RCA 103.61 APO 158.36 V2 35.220
 RC 107.975 GL -7.66 GP -20.44 ZAL 35.09 ZAP 143.29 ETS 332.17 ZAE 122.82 ETE 193.48 ZAC 138.17 ETC .84 CLP-148.83

PLANETOCENTRIC CONIC

C3 20.416 VHL 4.518 DLA -1.94 RAL 165.12 RAD 6567.8 VEL 11.908 PTM 2.12 VMP 5.416 DPA .72 RAP 127.36 ECC 1.3360
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 17 31 2159.04 -18.18 38.00 26.29 112.09 9 53 30 1559.0 -15.03 30.74
 90.00 20 46 43 4923.57 21.09 214.59 27.21 70.66 22 8 47 4323.6 18.26 207.06
 100.00 10 37 57 1899.57 -19.22 18.46 25.83 113.35 11 9 36 1299.6 -15.89 11.24
 100.00 22 8 58 4658.28 22.14 194.67 26.80 69.39 23 26 36 4058.3 19.14 187.16
 110.00 11 44 7 1692.43 -21.98 1.35 24.45 116.86 12 12 19 1092.4 -18.20 354.26
 110.00 23 19 17 4438.18 24.97 176.69 25.53 65.86 24 33 16 3838.2 21.49 169.27

DIFFERENTIAL CORRECTIONS

TDE-2.1277 TRA 4.3441 TC3-2.3381 BAU .6443
 RDE -.1907 RRA .9533 RC3 -.3261 FAU .04082
 FDE-3.0808 FRA 5.3360 FC3-1.7310 BSP 21170
 BDE 2.1362 BRA 4.4475 BC3 2.5807 FSP -2454

MID-COURSE EXECUTION ACCURACY

SGT 6490.2 SGR 1268.4 SG3 688.7
 RRT .9649 RRF .9491 RTF .9889
 SGB 6613.0 R23 -.0286 R13 .9886
 SG1 6604.9 SG2 327.5 TMA 10.71

ORBIT DETERMINATION ACCURACY

ST 3165.1 SR 436.2 SS 2060.4
 CRT .9076 CRS -.8758 CST -.9975
 LSA 3795.0 MSA 226.0 SSA 12.5
 EL1 3189.8 EL2 181.7 ALF 7.15

LAUNCH DATE APR 12 1967

FLIGHT TIME 218.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 589.413
 RL 149.95 LAL -.00 LOL 201.41 VL 27.496 GAL 9.07 AZL 91.43 MCA 259.49 SMA 130.88 ECC .21344 INC 1.4334 V1 29.714
 RP 107.58 LAP 1.41 LOP 100.89 VP 38.123 GAP 6.87 AZP 89.74 TAL 141.48 TAP 40.97 RCA 102.94 APO 168.81 V2 35.227
 RC 110.226 GL -8.36 GP -19.26 ZAL 34.65 ZAP 145.80 ETS 331.18 ZAE 121.87 ETE 192.35 ZAC 137.33 ETC 2.40 CLP-151.17

PLANETOCENTRIC CONIC

C3 21.800 VHL 4.669 DLA -2.83 RAL 165.39 RAD 6567.9 VEL 11.966 PTM 2.13 VMP 5.659 DPA 1.69 RAP 128.44 ECC 1.3588
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 25 11 2147.37 -17.88 37.27 27.44 112.33 10 0 58 1547.4 -14.70 30.04
 90.00 20 41 15 4966.76 22.04 217.40 28.83 71.76 22 4 2 4366.8 19.34 209.77
 100.00 10 45 12 1889.23 -18.94 17.82 26.97 113.57 11 16 42 1289.2 -15.59 10.62
 100.00 22 3 55 4700.14 23.12 197.40 28.43 70.51 23 22 15 4100.1 20.25 189.77
 110.00 11 50 25 1685.06 -21.75 .90 25.55 117.04 12 18 30 1085.1 -17.95 353.83
 110.00 23 15 11 4477.07 26.03 179.22 27.19 67.01 24 29 48 3877.1 22.69 171.66

DIFFERENTIAL CORRECTIONS

TDE-2.2921 TRA 4.5853 TC3-2.2281 BAU .6543
 RDE -.1513 RRA .9017 RC3 -.2764 FAU .03609
 FDE-2.9842 FRA 5.1108 FC3-1.4331 BSP 21637
 BDE 2.2971 BRA 4.6731 BC3 2.2452 FSP -2279

MID-COURSE EXECUTION ACCURACY

SGT 6631.7 SGR 1152.6 SG3 638.6
 RRT .9551 RRF .9370 RTF .9887
 SGB 6731.1 R23 -.0330 R13 .9884
 SG1 6722.6 SG2 336.7 TMA 9.45

ORBIT DETERMINATION ACCURACY

ST 3282.1 SR 380.8 SS 2013.8
 CRT .8678 CRS -.8330 CST -.9978
 LSA 3862.8 MSA 225.2 SSA 12.5
 EL1 3298.7 EL2 188.3 ALF 5.77

LAUNCH DATE APR 12 1967

FLIGHT TIME 220.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 595.343
 RL 149.95 LAL -.00 LOL 201.41 VL 27.480 GAL 9.40 AZL 91.59 MCA 262.72 SMA 130.77 ECC .21827 INC 1.5945 V1 29.714
 RP 107.56 LAP 1.58 LOP 104.13 VP 38.117 GAP 7.42 AZP 89.80 TAL 140.95 TAP 43.68 RCA 102.22 APO 159.31 V2 35.233
 RC 112.475 GL -8.98 GP -18.19 ZAL 34.20 ZAP 148.14 ETS 330.14 ZAE 120.99 ETE 191.40 ZAC 136.33 ETC 5.79 CLP-153.38

PLANETOCENTRIC CONIC

C3 23.354 VHL 4.833 DLA -3.63 RAL 165.71 RAD 6567.9 VEL 12.030 PTM 2.15 VMP 5.920 DPA 2.51 RAP 129.64 ECC 1.3843
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 32 26 2139.09 -17.67 36.76 28.71 112.49 10 8 5 1539.1 -14.47 29.54
 90.00 20 36 31 5008.49 22.90 220.16 30.57 72.87 22 0 0 4408.5 20.34 212.42
 100.00 10 52 5 1882.17 -18.74 17.38 28.23 113.72 11 23 27 1282.2 -15.38 10.21
 100.00 21 59 33 4740.64 24.02 200.07 30.18 71.65 23 18 34 4140.6 21.28 192.34
 110.00 11 56 26 1680.72 -21.62 .64 26.77 117.15 12 24 27 1080.7 -17.81 353.58
 110.00 23 11 42 4514.85 27.01 181.72 28.97 68.20 24 26 57 3914.9 23.80 174.02

DIFFERENTIAL CORRECTIONS

TDE-2.4564 TRA 4.8386 TC3-2.1021 BAU .6603
 RDE -.1129 RRA .8565 RC3 -.2329 FAU .03145
 FDE-2.8829 FRA 4.9053 FC3-1.1658 BSP 21988
 BDE 2.4590 BRA 4.9138 BC3 2.1150 FSP -2105

MID-COURSE EXECUTION ACCURACY

SGT 6756.6 SGR 1050.7 SG3 591.8
 RRT .9433 RRF .9228 RTF .9884
 SGB 6837.8 R23 -.0360 R13 .9882
 SG1 6829.1 SG2 345.2 TMA 8.37

ORBIT DETERMINATION ACCURACY

ST 3385.2 SR 333.4 SS 1963.8
 CRT .8123 CRS -.7747 CST -.9980
 LSA 3921.3 MSA 224.4 SSA 12.6
 EL1 3396.0 EL2 193.8 ALF 4.59

LAUNCH DATE APR 13 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUN 22 1967

HELIOCENTRIC CONIC
 RL 150.00 LAL - .00 LOL 202.39 VL 12.986 GAL 42.23 AZL 85.90 MCA 24.29 SMA 82.90 ECC .90050 INC 4.1017 V1 29.706
 RP 108.28 LAP 1.69 LOP 226.63 VP 29.163 GAP -62.82 AZP 86.26 TAL 173.95 TAP 198.25 RCA 8.25 APO 157.55 V2 34.999
 RC 104.312 GL 1.81 GP 2.61 ZAL 67.74 ZAP 39.81 ETS 186.48 ZAE 130.90 ETE 179.55 ZAC 163.14 ETC 90.24 CLP 39.74

PLANETOCENTRIC CONIC
 C3 472.743 VML 21.743 OLA 18.17 RAL 137.69 RAD 6572.3 VEL 24.373 PTH 3.32 VMP 34.082 DPA 26.58 RAP 85.71 ECC 8.7802
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 40 3 3438.86 -21.87 126.95 52.02 71.55 5 37 22 2838.9 -24.19 119.04
 90.00 21 37 29 4875.33 19.97 211.50 37.62 69.50 22 58 44 4275.3 17.00 204.08
 100.00 6 12 12 3141.69 -23.81 105.80 52.73 71.37 7 4 34 2541.7 -26.13 97.77
 100.00 22 48 1 4647.72 21.89 193.99 36.85 69.12 24 5 28 4047.7 18.85 186.51
 110.00 7 44 3 2854.31 -28.83 85.89 54.64 70.79 8 31 38 2254.3 -31.18 77.47
 110.00 23 32 39 4507.87 26.83 181.26 34.72 67.98 24 47 47 3907.9 23.60 173.58

DIFFERENTIAL CORRECTIONS
 TDE .7896 TRA-2.3595 TC3 -.0981 BAU .6202 SGT 808.5 SGR 465.0 SG3 20.4 ST 286.4 SR 432.7 SS 275.3
 RDE-1.6294 RRA -.6436 RC3 -.0005 FAU .01056 RRT .0756 RRF -.0681 RTF -.6055 CRT -.6362 CRS -.6514 CST .9972
 FDE -.2626 FRA .7548 FC3 -.0193 BSP 1901 SGB 932.6 R23 .0001 R13 -.6059 LSA 532.9 MSA 246.6 SSA 14.2
 BDE 1.8106 BRA 2.4457 BC3 .0981 FSP -41 SG1 809.6 SG2 463.0 THA 3.70 EL1 478.9 EL2 199.6 ALF 118.14

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 13 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUN 24 1967

HELIOCENTRIC CONIC
 RL 150.00 LAL - .00 LOL 202.39 VL 13.852 GAL 39.88 AZL 86.71 MCA 27.47 SMA 84.12 ECC .87880 INC 3.2948 V1 29.706
 RP 108.32 LAP 1.52 LOP 229.82 VP 29.543 GAP -60.12 AZP 87.08 TAL 173.03 TAP 200.50 RCA 10.20 APO 158.04 V2 34.986
 RC 101.881 GL 1.68 GP 2.66 ZAL 66.28 ZAP 38.28 ETS 186.71 ZAE 130.67 ETE 179.26 ZAC 162.92 ETC 84.75 CLP 38.20

PLANETOCENTRIC CONIC
 C3 435.205 VML 20.862 OLA 17.61 RAL 139.10 RAD 6572.2 VEL 23.590 PTH 3.30 VMP 32.931 DPA 26.76 RAP 87.55 ECC 8.1624
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 51 27 3409.82 -22.48 125.04 52.84 72.31 5 48 16 2809.8 -24.69 117.07
 90.00 21 37 24 4889.75 20.31 212.42 38.58 69.84 22 58 54 4289.7 17.38 204.97
 100.00 6 23 4 3114.37 -24.39 103.98 53.51 72.16 7 14 58 2514.4 -26.60 95.87
 100.00 22 48 28 4660.43 22.20 194.81 37.83 69.45 24 6 8 4060.4 19.20 187.30
 110.00 7 53 51 2830.31 -29.36 84.22 55.33 71.65 8 41 1 2230.3 -31.58 75.72
 110.00 23 34 10 4517.26 27.07 181.88 35.76 68.28 24 49 27 3917.3 23.87 174.17

DIFFERENTIAL CORRECTIONS
 TDE .8089 TRA-2.3845 TC3 -.1051 BAU .6115 SGT 844.8 SGR 472.1 SG3 21.9 ST 303.3 SR 437.2 SS 291.3
 RDE-1.5789 RRA -.6474 RC3 -.0001 FAU .01054 RRT .0804 RRF -.0726 RTF -.6234 CRT -.6394 CRS -.6596 CST .9973
 FDE -.2797 FRA .7824 FC3 -.0210 BSP 2000 SGB 967.8 R23 .0000 R13 -.6238 LSA 550.9 MSA 253.7 SSA 14.4
 BDE 1.7741 BRA 2.4708 BC3 .1051 FSP -45 SG1 846.1 SG2 469.9 THA 3.72 EL1 489.7 EL2 208.2 ALF 119.84

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 13 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUN 26 1967

HELIOCENTRIC CONIC
 RL 150.00 LAL - .00 LOL 202.39 VL 14.675 GAL 37.80 AZL 87.36 MCA 30.65 SMA 85.39 ECC .85617 INC 2.6442 V1 29.706
 RP 108.36 LAP 1.35 LOP 233.02 VP 29.922 GAP -57.56 AZP 87.72 TAL 172.09 TAP 202.74 RCA 12.28 APO 158.50 V2 34.973
 RC 99.454 GL 1.53 GP 2.72 ZAL 64.87 ZAP 36.78 ETS 186.95 ZAE 130.49 ETE 178.95 ZAC 162.54 ETC 79.37 CLP 36.69

PLANETOCENTRIC CONIC
 C3 400.855 VML 20.021 OLA 17.04 RAL 140.47 RAD 6572.1 VEL 22.851 PTH 3.27 VMP 31.818 DPA 26.93 RAP 89.43 ECC 7.5971
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 2 33 3380.48 -23.07 123.09 53.56 73.11 5 58 53 2780.5 -25.17 115.05
 90.00 21 37 10 4903.62 20.64 213.31 39.47 70.17 22 58 53 4303.6 17.75 205.82
 100.00 6 33 39 3086.67 -24.96 102.11 54.19 72.99 7 25 6 2486.7 -27.05 93.93
 100.00 22 48 44 4672.66 22.49 195.60 38.74 69.77 24 6 37 4072.7 19.53 188.06
 110.00 8 3 25 2805.83 -29.87 82.50 55.90 72.55 8 50 11 2205.8 -31.96 73.91
 110.00 23 35 28 4526.27 27.29 182.49 36.73 68.57 24 50 54 3926.3 24.13 174.74

DIFFERENTIAL CORRECTIONS
 TDE .8277 TRA-2.4102 TC3 -.1123 BAU .6020 SGT 882.5 SGR 478.6 SG3 23.6 ST 321.1 SR 441.3 SS 307.6
 RDE-1.5284 RRA -.6495 RC3 .0003 FAU .01052 RRT .0854 RRF -.0774 RTF -.6409 CRT -.6421 CRS -.6668 CST .9973
 FDE -.2970 FRA .8103 FC3 -.0227 BSP 2110 SGB 1004.0 R23 -.0002 R13 -.6413 LSA 569.6 MSA 260.4 SSA 14.7
 BDE 1.7381 BRA 2.4962 BC3 .1123 FSP -49 SG1 883.9 SG2 476.2 THA 3.74 EL1 500.8 EL2 216.9 ALF 121.64

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 13 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUN 28 1967

HELIOCENTRIC CONIC
 RL 150.00 LAL - .00 LOL 202.39 VL 15.455 GAL 35.92 AZL 87.89 MCA 33.83 SMA 86.70 ECC .83286 INC 2.1055 V1 29.706
 RP 108.40 LAP 1.17 LOP 236.21 VP 30.298 GAP -55.13 AZP 88.25 TAL 171.14 TAP 204.98 RCA 14.49 APO 158.91 V2 34.960
 RC 97.034 GL 1.37 GP 2.78 ZAL 63.50 ZAP 35.30 ETS 187.21 ZAE 130.37 ETE 178.61 ZAC 161.99 ETC 74.20 CLP 35.21

PLANETOCENTRIC CONIC
 C3 369.373 VML 19.219 OLA 16.46 RAL 141.77 RAD 6572.0 VEL 22.151 PTH 3.24 VMP 30.741 DPA 27.09 RAP 91.34 ECC 7.0789
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 13 21 3350.80 -23.65 121.11 54.16 73.95 6 9 12 2750.8 -25.62 112.99
 90.00 21 36 46 4916.93 20.94 214.16 40.28 70.49 22 58 43 4316.9 18.09 206.65
 100.00 6 43 58 3058.57 -25.50 100.20 54.75 73.85 7 34 57 2458.6 -27.47 91.95
 100.00 22 48 50 4684.39 22.76 196.37 39.58 70.08 24 6 54 4084.4 19.84 188.79
 110.00 8 12 44 2780.85 -30.37 80.72 56.36 73.49 8 59 5 2180.8 -32.33 72.05
 110.00 23 36 34 4534.88 27.51 183.06 37.62 68.85 24 52 8 3934.9 24.38 175.29

DIFFERENTIAL CORRECTIONS
 TDE .8487 TRA-2.4338 TC3 -.1195 BAU .5901 SGT 920.6 SGR 484.7 SG3 25.3 ST 340.2 SR 444.7 SS 324.6
 RDE-1.4777 RRA -.6500 RC3 .0009 FAU .01053 RRT .0893 RRF -.0818 RTF -.6580 CRT -.6459 CRS -.6739 CST .9973
 FDE -.3149 FRA .8383 FC3 -.0247 BSP 2298 SGB 1040.4 R23 -.0009 R13 -.6584 LSA 589.6 MSA 266.5 SSA 14.9
 BDE 1.7041 BRA 2.5191 BC3 .1195 FSP -54 SG1 922.0 SG2 482.0 THA 3.71 EL1 512.5 EL2 225.3 ALF 123.62

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 13 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUN 30 1967

HELIOCENTRIC CONIC

RL 150.00 LAL -.00 LOL 202.39 VL 16.195 GAL 34.21 AZL 88.35 MCA 37.02 SMA 88.05 ECC .80908 INC 1.6497 V1 29.706
 RP 108.44 LAP .99 LOP 239.39 VP 30.667 GAP -52.83 AZP 88.68 TAL 170.19 TAP 207.21 RCA 16.81 APO 159.29 V2 34.947
 RC 94.621 GL 1.20 GP 2.85 ZAL 62.17 ZAP 33.85 ETS 187.51 ZAE 130.31 ETE 178.25 ZAC 161.29 ETC 69.31 CLP 33.75

PLANETOCENTRIC CONIC

C3 340.483 VML 18.452 DLA 15.88 RAL 143.02 RAD 6571.9 VEL 21.489 PTH 3.21 VMP 29.699 DPA 27.23 RAP 93.28 ECC 6.6035
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 23 53 3320.75 -24.20 119.08 54.64 74.82 6 19 14 2720.7 -26.05 110.90
 90.00 21 36 13 4929.67 21.23 214.99 41.02 70.81 22 58 22 4329.7 18.42 207.44
 100.00 6 54 2 3030.04 -26.03 98.24 55.19 74.76 7 44 32 2430.0 -27.87 89.93
 100.00 22 48 45 4695.61 23.02 197.10 40.34 70.38 24 7 1 4095.6 20.13 189.49
 110.00 8 21 50 2755.36 -30.84 78.89 56.70 74.48 9 7 45 2155.4 -32.66 70.14
 110.00 23 37 27 4543.06 27.70 183.62 38.43 69.13 24 53 10 3943.1 24.61 175.81

DIFFERENTIAL CORRECTIONS

TDE .8669 TRA-2.4603 TC3 -.1272 BAU .5789
 RDE-1.4270 RRA -.6490 RC3 .0015 FAU .01054
 FDE -.3329 FRA .8669 FC3 -.0268 BSP 2434
 BDE 1.6696 BRA 2.5445 BC3 .1272 FSP -59

MID-COURSE EXECUTION ACCURACY

SGT 961.0 SGR 490.2 SG3 27.2
 RRT .0944 RRF -.0870 RTF -.6745
 SGB 1078.8 R23 -.0012 R13 -.6749
 SG1 962.5 SG2 487.2 THA 3.71

ORBIT DETERMINATION ACCURACY

ST 359.8 SR 447.5 SS 341.8
 CRT -.6478 CRS -.6798 CST .9972
 LSA 610.0 MSA 272.4 SSA 15.1
 EL1 524.4 EL2 233.9 ALF 125.62

LAUNCH DATE APR 13 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 2 1967

HELIOCENTRIC CONIC

RL 150.00 LAL -.00 LOL 202.39 VL 16.895 GAL 32.63 AZL 88.74 MCA 40.20 SMA 89.42 ECC .78499 INC 1.2567 V1 29.706
 RP 108.48 LAP .81 LOP 242.58 VP 31.028 GAP -50.65 AZP 89.04 TAL 169.24 TAP 209.44 RCA 19.23 APO 159.62 V2 34.935
 RC 92.217 GL 1.01 GP 2.92 ZAL 60.89 ZAP 32.43 ETS 187.83 ZAE 130.30 ETE 177.87 ZAC 160.46 ETC 64.76 CLP 32.31

PLANETOCENTRIC CONIC

C3 313.938 VML 17.718 DLA 15.29 RAL 144.22 RAD 6571.8 VEL 20.863 PTH 3.18 VMP 28.688 DPA 27.35 RAP 95.25 ECC 6.1666
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 34 9 3290.30 -24.72 117.00 55.01 75.74 6 29 0 2690.3 -26.44 108.76
 90.00 21 35 30 4941.84 21.50 215.78 41.68 71.11 22 57 52 4341.8 18.72 208.20
 100.00 7 3 51 3001.06 -26.53 96.24 55.53 75.70 7 53 52 2401.1 -28.24 87.85
 100.00 22 48 29 4706.32 23.26 197.80 41.02 70.68 24 6 56 4106.3 20.41 190.16
 110.00 8 30 41 2729.34 -31.30 77.00 56.92 75.51 9 16 11 2129.3 -32.97 68.18
 110.00 23 38 8 4550.80 27.89 184.14 39.16 69.39 24 53 59 3950.8 24.83 176.31

DIFFERENTIAL CORRECTIONS

TDE .8841 TRA-2.4874 TC3 -.1351 BAU .5671
 RDE-1.3763 RRA -.6466 RC3 .0023 FAU .01056
 FDE -.3512 FRA .8961 FC3 -.0291 BSP 2573
 BDE 1.6358 BRA 2.5700 BC3 .1351 FSP -64

MID-COURSE EXECUTION ACCURACY

SGT 1003.1 SGR 495.1 SG3 29.1
 RRT .0998 RRF -.0924 RTF -.6903
 SGB 1118.6 R23 -.0016 R13 -.6907
 SG1 1004.7 SG2 491.9 THA 3.71

ORBIT DETERMINATION ACCURACY

ST 380.2 SR 449.8 SS 359.4
 CRT -.6490 CRS -.6851* CST .9971
 LSA 631.3 MSA 278.0 SSA 15.3
 EL1 536.7 EL2 242.4 ALF 127.70

LAUNCH DATE APR 13 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 4 1967

HELIOCENTRIC CONIC

RL 150.00 LAL -.00 LOL 202.39 VL 17.557 GAL 31.17 AZL 89.09 MCA 43.38 SMA 90.82 ECC .76076 INC .9122 V1 29.706
 RP 108.51 LAP .63 LOP 245.76 VP 31.380 GAP -48.57 AZP 89.34 TAL 168.30 TAP 211.67 RCA 21.73 APO 159.91 V2 34.923
 RC 89.824 GL .81 GP 3.00 ZAL 59.65 ZAP 31.03 ETS 188.19 ZAE 130.35 ETE 177.45 ZAC 159.49 ETC 60.56 CLP 30.90

PLANETOCENTRIC CONIC

C3 289.526 VML 17.015 DLA 14.70 RAL 145.36 RAD 6571.7 VEL 20.269 PTH 3.15 VMP 27.708 DPA 27.45 RAP 97.24 ECC 5.7649
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 44 10 3259.41 -25.22 114.88 55.27 76.69 6 38 29 2659.4 -26.81 106.57
 90.00 21 34 37 4953.43 21.75 216.53 42.27 71.41 22 57 10 4353.4 19.01 208.93
 100.00 7 13 25 2971.58 -27.01 94.18 55.74 76.68 8 2 56 2371.6 -28.57 85.72
 100.00 22 48 3 4716.49 23.49 198.47 41.62 70.96 24 6 40 4116.5 20.67 190.81
 110.00 8 39 20 2702.76 -31.74 75.05 57.03 76.59 9 24 22 2102.8 -33.26 66.15
 110.00 23 38 37 4558.08 28.06 184.64 39.81 69.63 24 54 36 3958.1 25.03 176.77

DIFFERENTIAL CORRECTIONS

TDE .9007 TRA-2.5146 TC3 -.1433 BAU .5546
 RDE-1.3257 RRA -.6429 RC3 .0032 FAU .01059
 FDE -.3699 FRA .9258 FC3 -.0317 BSP 2720
 BDE 1.6027 BRA 2.5955 BC3 .1433 FSP -70

MID-COURSE EXECUTION ACCURACY

SGT 1046.9 SGR 499.5 SG3 31.3
 RRT .1055 RRF -.0981 RTF -.7057
 SGB 1159.9 R23 -.0021 R13 -.7061
 SG1 1048.6 SG2 495.9 THA 3.71

ORBIT DETERMINATION ACCURACY

ST 401.4 SR 451.4 SS 377.5
 CRT -.6498 CRS -.6898 CST .9969
 LSA 653.5 MSA 283.0 SSA 15.5
 EL1 549.7 EL2 250.6 ALF 129.87

LAUNCH DATE APR 13 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 6 1967

HELIOCENTRIC CONIC

RL 150.00 LAL -.00 LOL 202.39 VL 18.184 GAL 29.81 AZL 89.39 MCA 46.55 SMA 92.23 ECC .73653 INC .6064 V1 29.706
 RP 108.55 LAP .44 LOP 248.94 VP 31.722 GAP -46.59 AZP 89.58 TAL 167.36 TAP 213.91 RCA 24.30 APO 160.16 V2 34.911
 RC 87.444 GL .59 GP 3.08 ZAL 58.45 ZAP 29.65 ETS 188.58 ZAE 130.45 ETE 177.00 ZAC 158.40 ETC 56.73 CLP 29.50

PLANETOCENTRIC CONIC

C3 267.055 VML 16.342 DLA 14.10 RAL 146.45 RAD 6571.6 VEL 19.707 PTH 3.12 VMP 26.756 DPA 27.53 RAP 99.26 ECC 5.3951
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 53 55 3228.05 -25.70 112.70 55.41 77.68 6 47 43 2628.0 -27.14 104.33
 90.00 21 33 34 4964.45 21.99 217.25 42.77 71.69 22 56 18 4364.5 19.28 209.62
 100.00 7 22 44 2941.59 -27.46 92.06 55.84 77.71 8 11 46 2341.6 -28.88 83.55
 100.00 22 47 26 4726.14 23.70 199.11 42.15 71.23 24 6 12 4126.1 20.92 191.42
 110.00 8 47 45 2675.60 -32.15 73.04 57.02 77.71 9 32 20 2075.6 -33.51 64.07
 110.00 23 38 54 4564.90 28.23 185.10 40.37 69.87 24 54 59 3964.9 25.22 177.22

DIFFERENTIAL CORRECTIONS

TDE .9167 TRA-2.5415 TC3 -.1516 BAU .5415
 RDE-1.2753 RRA -.6379 RC3 .0043 FAU .01063
 FDE -.3890 FRA .9560 FC3 -.0345 BSP 2876
 BDE 1.5705 BRA 2.6203 BC3 .1517 FSP -76

MID-COURSE EXECUTION ACCURACY

SGT 1092.2 SGR 503.3 SG3 33.5
 RRT .1113 RRF -.1040 RTF -.7205
 SGB 1202.6 R23 -.0026 R13 -.7209
 SG1 1094.0 SG2 499.3 THA 3.71

ORBIT DETERMINATION ACCURACY

ST 423.6 SR 452.4 SS 396.1
 CRT -.6502 CRS -.6940 CST .9968
 LSA 676.8 MSA 287.6 SSA 15.7
 EL1 563.3 EL2 258.5 ALF 132.11

LAUNCH DATE APR 13 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 8 1967

HELIOCENTRIC CONIC

DISTANCE 162.759

RL 150.00 LAL .00 LOL 202.39 VL 18.776 GAL 28.54 AZL 89.67 MCA 49.73 SMA 93.66 ECC .71241 INC .3311 V1 29.706
 RP 108.59 LAP .25 LOP 252.12 VP 32.053 GAP -44.70 AZP 89.79 TAL 166.42 TAP 216.15 RCA 26.94 APO 160.38 V2 34.899
 RC 85.078 GL .35 GP 3.17 ZAL 57.30 ZAP 28.29 ETS 189.03 ZAE 130.62 ETE 176.52 ZAC 157.22 ETC 53.25 CLP 28.12

PLANETOCENTRIC CONIC

C3 246.359 VHL 15.696 DLA 13.49 RAL 147.49 RAD 6571.4 VEL 19.175 PTH 3.09 VMP 25.833 DPA 27.59 RAP 101.29 ECC 5.0545
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 3 26 3196.16 -26.14 110.47 55.43 78.71 6 56 42 2596.2 -27.44 102.05
 90.00 21 32 21 4974.92 22.21 217.94 43.19 71.97 22 55 16 4374.9 19.54 210.29
 100.00 7 31 50 2911.04 -27.89 89.89 55.82 78.78 8 20 21 2311.0 -29.15 81.32
 100.00 22 46 37 4735.27 23.90 199.72 42.59 71.49 24 5 32 4135.3 21.15 192.00
 110.00 8 55 57 2647.82 -32.53 70.97 56.88 78.88 9 40 5 2047.8 -33.72 61.93
 110.00 23 38 59 4571.26 28.37 185.54 40.85 70.08 24 55 10 3971.3 25.40 177.63

DIFFERENTIAL CORRECTIONS

TDE .9318 TRA-2.5683 TC3 -.1602 BAU .5279
 RDE-1.2230 RRA -.6318 RC3 .0056 FAU .01070
 FDE -.4085 FRA .9868 FC3 -.0376 BSP 3036
 BDE 1.5391 BRA 2.6449 BC3 .1603 FSP -82

MID-COURSE EXECUTION ACCURACY

SGT 1139.3 SGR 506.5 SG3 36.0
 RRT .1174 RRF -.1103 RTF -.7347
 SGB 1246.8 R23 -.0032 R13 -.7351
 SGI 1141.3 SG2 502.1 TMA 3.71

ORBIT DETERMINATION ACCURACY

ST 446.7 SR 452.8 SS 415.1
 CRT -.6502 CRS -.6978 CST .9965
 LSA 701.1 MSA 291.7 SSA 15.9
 EL1 577.8 EL2 266.0 ALF 134.41

LAUNCH DATE APR 13 1967

FLIGHT TIME 88.00

ARRIVAL DATE JUL 10 1967

HELIOCENTRIC CONIC

DISTANCE 168.609

RL 150.00 LAL -.00 LOL 202.39 VL 19.336 GAL 27.34 AZL 89.92 MCA 52.90 SMA 95.09 ECC .68849 INC .0791 V1 29.706
 RP 108.62 LAP .06 LOP 255.29 VP 32.372 GAP -42.89 AZP 89.95 TAL 165.50 TAP 218.40 RCA 29.62 APO 160.56 V2 34.888
 RC 82.729 GL .09 GP 3.28 ZAL 56.18 ZAP 26.95 ETS 189.53 ZAE 130.86 ETE 176.00 ZAC 155.94 ETC 50.10 CLP 26.77

PLANETOCENTRIC CONIC

C3 227.288 VHL 15.076 DLA 12.87 RAL 148.48 RAD 6571.3 VEL 18.671 PTH 3.06 VMP 24.936 DPA 27.64 RAP 103.35 ECC 4.7406
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 12 42 3163.71 -26.55 108.19 55.34 79.79 7 5 26 2563.7 -27.70 99.71
 90.00 21 30 56 4984.84 22.42 218.59 43.54 72.23 22 54 1 4384.8 19.78 210.91
 100.00 7 40 43 2879.89 -28.28 87.66 55.68 79.89 8 28 43 2279.9 -29.39 79.03
 100.00 22 45 37 4743.89 24.09 200.29 42.95 71.74 24 4 41 4143.9 21.37 192.55
 110.00 9 3 58 2619.39 -32.89 68.82 56.63 80.11 9 47 37 2019.4 -33.90 59.73
 110.00 23 38 51 4577.15 28.51 185.94 41.25 70.29 24 55 9 3977.2 25.56 178.01

DIFFERENTIAL CORRECTIONS

TDE .9464 TRA-2.5945 TC3 -.1689 BAU .5137
 RDE-1.1750 RRA -.6246 RC3 .0070 FAU .01077
 FDE -.4285 FRA 1.0184 FC3 -.0410 BSP 3206
 BDE 1.5087 BRA 2.6686 BC3 .1691 FSP -89

MID-COURSE EXECUTION ACCURACY

SGT 1188.2 SGR 509.0 SG3 38.6
 RRT .1238 RRF -.1169 RTF -.7483
 SGB 1292.6 R23 -.0040 R13 -.7487
 SGI 1190.2 SG2 504.3 TMA 3.70

ORBIT DETERMINATION ACCURACY

ST 470.8 SR 452.5 SS 434.7
 CRT -.6499 CRS -.7011 CST .9963
 LSA 726.6 MSA 295.3 SSA 16.1
 EL1 593.2 EL2 272.9 ALF 136.75

LAUNCH DATE APR 13 1967

FLIGHT TIME 90.00

ARRIVAL DATE JUL 12 1967

HELIOCENTRIC CONIC

DISTANCE 174.553

RL 150.00 LAL -.00 LOL 202.39 VL 19.866 GAL 26.21 AZL 90.15 MCA 56.08 SMA 96.52 ECC .66488 INC .1477 V1 29.706
 RP 108.65 LAP -.12 LOP 258.47 VP 32.680 GAP -41.16 AZP 90.08 TAL 164.58 TAP 220.66 RCA 32.35 APO 160.70 V2 34.877
 RC 80.398 GL -.18 GP 3.38 ZAL 55.11 ZAP 25.63 ETS 190.10 ZAE 131.15 ETE 175.44 ZAC 154.58 ETC 47.27 CLP 25.42

PLANETOCENTRIC CONIC

C3 209.707 VHL 14.481 DLA 12.25 RAL 149.42 RAD 6571.2 VEL 18.194 PTH 3.02 VMP 24.064 DPA 27.66 RAP 105.42 ECC 4.4512
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 21 46 3130.66 -26.93 105.84 55.12 80.91 7 13 57 2530.7 -27.91 97.31
 90.00 21 29 21 4994.25 22.61 219.22 43.80 72.49 22 52 35 4394.2 20.00 211.51
 100.00 7 49 23 2848.11 -28.64 85.37 55.43 81.05 8 36 51 2248.1 -29.58 76.69
 100.00 22 44 25 4752.03 24.26 200.83 43.22 71.98 24 3 37 4152.0 21.57 193.07
 110.00 9 11 46 2590.29 -33.21 66.61 56.25 81.38 9 54 57 1990.3 -34.04 57.47
 110.00 23 38 31 4582.61 28.63 186.32 41.56 70.48 24 54 54 3982.6 25.71 178.36

DIFFERENTIAL CORRECTIONS

TDE .9601 TRA-2.6199 TC3 -.1778 BAU .4991
 RDE-1.1252 RRA -.6163 RC3 .0087 FAU .01087
 FDE -.4490 FRA 1.0507 FC3 -.0449 BSP 3383
 BDE 1.4792 BRA 2.6914 BC3 .1780 FSP -97

MID-COURSE EXECUTION ACCURACY

SGT 1238.8 SGR 511.0 SG3 41.4
 RRT .1305 RRF -.1239 RTF -.7614
 SGB 1340.1 R23 -.0047 R13 -.7618
 SGI 1241.0 SG2 505.7 TMA 3.70

ORBIT DETERMINATION ACCURACY

ST 495.8 SR 451.4 SS 454.9
 CRT -.6492 CRS -.7041 CST .9960
 LSA 753.2 MSA 298.3 SSA 16.2
 EL1 609.6 EL2 279.3 ALF 139.11

LAUNCH DATE APR 13 1967

FLIGHT TIME 92.00

ARRIVAL DATE JUL 14 1967

HELIOCENTRIC CONIC

DISTANCE 180.584

RL 150.00 LAL -.00 LOL 202.39 VL 20.366 GAL 25.14 AZL 90.36 MCA 59.25 SMA 97.96 ECC .64164 INC .3615 V1 29.706
 RP 108.69 LAP -.31 LOP 261.64 VP 32.975 GAP -39.50 AZP 90.18 TAL 163.68 TAP 222.93 RCA 35.10 APO 160.81 V2 34.867
 RC 78.089 GL -.58 GP 3.50 ZAL 54.08 ZAP 24.33 ETS 190.75 ZAE 131.52 ETE 174.83 ZAC 153.14 ETC 44.72 CLP 24.10

PLANETOCENTRIC CONIC

C3 193.497 VHL 13.910 DLA 11.61 RAL 150.30 RAD 6571.1 VEL 17.743 PTH 2.99 VMP 23.217 DPA 27.67 RAP 107.51 ECC 4.1845
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 30 37 3096.95 -27.27 103.43 54.79 82.07 7 22 14 2496.9 -28.09 94.86
 90.00 21 27 33 5003.17 22.79 219.81 43.98 72.73 22 50 56 4403.2 20.02 212.08
 100.00 7 57 51 2815.64 -28.96 83.01 55.06 82.25 8 44 46 2215.6 -29.73 74.29
 100.00 22 43 1 4759.71 24.42 201.35 43.42 72.20 24 2 20 4159.7 21.76 193.56
 110.00 9 19 23 2560.48 -33.49 64.33 55.76 82.70 10 2 4 1960.5 -34.13 55.15
 110.00 23 37 57 4587.64 28.75 186.66 41.79 70.66 24 54 25 3987.6 25.84 178.69

DIFFERENTIAL CORRECTIONS

TDE .9736 TRA-2.6441 TC3 -.1867 BAU .4838
 RDE-1.0758 RRA -.6072 RC3 .0106 FAU .01098
 FDE -.4702 FRA 1.0837 FC3 -.0491 BSP 3578
 BDE 1.4510 BRA 2.7129 BC3 .1870 FSP -105

MID-COURSE EXECUTION ACCURACY

SGT 1291.1 SGR 512.3 SG3 44.4
 RRT .1374 RRF -.1314 RTF -.7741
 SGB 1389.0 R23 -.0057 R13 -.7744
 SGI 1293.3 SG2 506.5 TMA 3.69

ORBIT DETERMINATION ACCURACY

ST 521.8 SR 449.7 SS 475.6
 CRT -.6484 CRS -.7066 CST .9958
 LSA 781.1 MSA 300.7 SSA 16.4
 EL1 627.2 EL2 284.8 ALF 141.48

LAUNCH DATE APR 13 1967 FLIGHT TIME 94.00 ARRIVAL DATE JUL 16 1967

HELIOCENTRIC CONIC
 RL 150.00 LAL -.00 LOL 202.39 VL 20.838 GAL 24.12 AZL 90.56 MCA 62.42 SMA 99.39 ECC .61884 INC .5611 VI 29.706
 RP 108.72 LAP -.50 LOP 264.81 VP 33.259 GAP -37.91 AZP 90.26 TAL 162.80 TAP 225.22 RCA 37.88 APO 160.89 V2 34.857
 RC 75.805 GL -.80 GP 3.63 ZAL 53.10 ZAP 23.05 ETS 191.49 ZAE 131.95 ETE 174.17 ZAC 151.65 ETC 42.42 CLP 22.78

PLANETOCENTRIC CONIC
 C3 178.548 VML 13.362 DLA 10.97 RAL 151.13 RAD 6570.9 VEL 17.317 PTH 2.95 VMP 22.394 OPA 27.65 RAP 109.61 ECC 3.9385
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 39 17 3062.54 -27.57 100.96 54.35 83.27 7 30 19 2462.5 -28.22 92.35
 90.00 21 25 33 5011.65 22.96 220.37 44.07 72.96 22 49 4 4411.7 20.41 212.62
 100.00 8 6 7 2782.47 -29.24 80.58 54.57 83.49 8 52 30 2182.5 -29.83 71.83
 100.00 22 41 23 4766.96 24.57 201.83 43.53 72.41 24 0 50 4167.0 21.93 194.03
 110.00 9 26 49 2529.92 -33.73 61.98 55.14 84.07 10 8 59 1929.9 -34.18 52.76
 110.00 23 37 10 4592.27 28.85 186.98 41.93 70.82 24 53 43 3992.3 25.96 179.00

DIFFERENTIAL CORRECTIONS
 TDE .9864 TRA-2.6671 TC3 -.1956 BAU .4680
 RDE -1.0269 RRA -.5973 RC3 .0128 FAU .0111
 FDE -.4921 FRA 1.1177 FC3 -.0539 BSP 3779
 BDE 1.4239 BRA 2.7332 BC3 .1961 FSP -114

MID-COURSE EXECUTION ACCURACY
 SGT 1345.1 SGR 512.9 SG3 47.6
 RRT .1447 RRF -.1393 RTF -.7861
 SGB 1439.6 R23 -.0068 R13 -.7865
 SGI 1347.5 SG2 506.6 TMA 3.68

ORBIT DETERMINATION ACCURACY
 ST 548.9 SR 447.2 SS 497.0
 CRT -.6473 CRS -.7089 CST .9955
 LSA 810.3 MSA 302.4 SSA 16.5
 EL1 646.1 EL2 289.6 ALF 143.84

LAUNCH DATE APR 13 1967. FLIGHT TIME 96.00 ARRIVAL DATE JUL 18 1967

HELIOCENTRIC CONIC
 RL 150.00 LAL -.00 LOL 202.39 VL 21.284 GAL 23.15 AZL 90.75 MCA 65.59 SMA 100.80 ECC .59653 INC .7494 VI 29.706
 RP 108.75 LAP -.68 LOP 267.98 VP 33.530 GAP -36.38 AZP 90.31 TAL 161.93 TAP 227.52 RCA 40.67 APO 160.94 V2 34.848
 RC 73.549 GL -1.14 GP 3.77 ZAL 52.15 ZAP 21.79 ETS 192.35 ZAE 132.45 ETE 173.45 ZAC 150.10 ETC 40.35 CLP 21.48

PLANETOCENTRIC CONIC
 C3 164.765 VML 12.836 DLA 10.32 RAL 151.92 RAD 6570.8 VEL 16.914 PTH 2.91 VMP 21.594 OPA 27.62 RAP 111.73 ECC 3.7116
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 47 45 3027.39 -27.83 98.42 53.78 84.52 7 38 12 2427.4 -28.29 89.78
 90.00 21 23 19 5019.74 23.12 220.91 44.09 73.19 22 46 59 4419.7 20.60 213.14
 100.00 8 14 13 2748.53 -29.48 78.08 53.96 84.79 9 0 1 2148.5 -29.89 69.30
 100.00 22 39 32 4773.83 24.71 202.29 43.55 72.62 23 59 6 4173.8 22.10 194.47
 110.00 9 34 5 2498.59 -33.92 59.55 54.40 85.50 10 15 44 1898.6 -34.17 50.31
 110.00 23 36 9 4596.53 28.95 187.28 41.99 70.97 24 52 46 3996.5 26.08 179.28

DIFFERENTIAL CORRECTIONS
 TDE .9940 TRA-2.6933 TC3 -.2056 BAU .4542
 RDE -.9785 RRA -.5868 RC3 .0152 FAU .01124
 FDE -.5141 FRA 1.1533 FC3 -.0590 BSP 3885
 BDE 1.3947 BRA 2.7565 BC3 .2062 FSP -123

MID-COURSE EXECUTION ACCURACY
 SGT 1403.1 SGR 513.0 SG3 51.1
 RRT .1541 RRF -.1485 RTF -.7972
 SGB 1494.0 R23 -.0073 R13 -.7976
 SGI 1405.7 SG2 505.9 TMA 3.71

ORBIT DETERMINATION ACCURACY
 ST 575.7 SR 444.0 SS 518.8
 CRT -.6435 CRS -.7102 CST .9949
 LSA 839.6 MSA 304.3 SSA 16.7
 EL1 664.8 EL2 294.3 ALF 146.11

LAUNCH DATE APR 13 1967 FLIGHT TIME 98.00 ARRIVAL DATE JUL 20 1967

HELIOCENTRIC CONIC
 RL 150.00 LAL -.00 LOL 202.39 VL 21.705 GAL 22.22 AZL 90.93 MCA 68.76 SMA 102.21 ECC .57476 INC .9284 VI 29.706
 RP 108.77 LAP -.87 LOP 271.14 VP 33.790 GAP -34.91 AZP 90.34 TAL 161.07 TAP 229.83 RCA 43.46 APO 160.96 V2 34.839
 RC 71.325 GL -1.51 GP 3.92 ZAL 51.25 ZAP 20.55 ETS 193.34 ZAE 133.03 ETE 172.67 ZAC 148.50 ETC 38.49 CLP 20.19

PLANETOCENTRIC CONIC
 C3 152.055 VML 12.331 DLA 9.65 RAL 152.65 RAD 6570.7 VEL 16.534 PTH 2.88 VMP 20.817 OPA 27.57 RAP 113.85 ECC 3.5024
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 56 3 2991.45 -28.03 95.81 53.10 85.81 7 45 54 2391.5 -28.32 87.16
 90.00 21 20 51 5027.48 23.28 221.43 44.02 73.40 22 44 38 4427.5 20.78 213.64
 100.00 8 22 8 2713.80 -29.66 75.52 53.23 86.13 9 7 22 2113.8 -29.88 66.72
 100.00 22 37 27 4780.37 24.84 202.74 43.50 72.82 23 57 7 4180.4 22.25 194.89
 110.00 9 41 11 2466.45 -34.06 57.05 53.55 86.97 10 22 17 1866.5 -34.11 47.81
 110.00 23 34 53 4600.48 29.03 187.55 41.97 71.11 24 51 34 4000.5 26.18 179.53

DIFFERENTIAL CORRECTIONS
 TDE 1.0065 TRA-2.7125 TC3 -.2142 BAU .4370
 RDE -.9304 RRA -.5756 RC3 .0180 FAU .01142
 FDE -.5377 FRA 1.1891 FC3 -.0650 BSP 4133
 BDE 1.3707 BRA 2.7729 BC3 .2150 FSP -134

MID-COURSE EXECUTION ACCURACY
 SGT 1460.2 SGR 512.3 SG3 54.8
 RRT .1620 RRF -.1575 RTF -.8084
 SGB 1547.5 R23 -.0089 R13 -.8088
 SGI 1462.9 SG2 504.6 TMA 3.69

ORBIT DETERMINATION ACCURACY
 ST 605.0 SR 439.9 SS 541.7
 CRT -.6424 CRS -.7119 CST .9946
 LSA 871.8 MSA 304.6 SSA 16.8
 EL1 686.5 EL2 297.1 ALF 148.39

LAUNCH DATE APR 13 1967 FLIGHT TIME 100.00 ARRIVAL DATE JUL 22 1967

HELIOCENTRIC CONIC
 RL 150.00 LAL -.00 LOL 202.39 VL 22.103 GAL 21.34 AZL 91.10 MCA 71.92 SMA 103.60 ECC .55356 INC 1.0997 VI 29.706
 RP 108.80 LAP -1.05 LOP 274.31 VP 34.039 GAP -33.50 AZP 90.34 TAL 160.24 TAP 232.16 RCA 46.25 APO 160.95 V2 34.831
 RC 69.138 GL -1.91 GP 4.09 ZAL 50.39 ZAP 19.33 ETS 194.49 ZAE 133.69 ETE 171.82 ZAC 146.86 ETC 36.80 CLP 18.91

PLANETOCENTRIC CONIC
 C3 140.342 VML 11.847 DLA 8.97 RAL 153.33 RAD 6570.5 VEL 16.176 PTH 2.84 VMP 20.061 OPA 27.51 RAP 115.98 ECC 3.3097
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 4 12 2954.69 -28.18 93.13 52.31 87.15 7 53 26 2354.7 -28.28 84.47
 90.00 21 18 8 5034.97 23.42 221.93 43.87 73.61 22 42 3 4435.0 20.95 214.12
 100.00 8 29 55 2678.22 -29.80 72.88 52.40 87.51 9 14 33 2078.2 -29.83 64.08
 100.00 22 35 6 4786.66 24.97 203.16 43.36 73.01 23 54 52 4186.7 22.40 195.30
 110.00 9 48 7 2433.47 -34.15 54.48 52.58 88.49 10 28 41 1833.5 -33.99 45.24
 110.00 23 33 22 4604.18 29.12 187.81 41.86 71.24 24 50 7 4004.2 26.28 179.78

DIFFERENTIAL CORRECTIONS
 TDE 1.0052 TRA-2.7432 TC3 -.2264 BAU .4266
 RDE -.8832 RRA -.5643 RC3 .0211 FAU .01153
 FDE -.5603 FRA 1.2282 FC3 -.0711 BSP 4073
 BDE 1.3381 BRA 2.8007 BC3 .2274 FSP -141

MID-COURSE EXECUTION ACCURACY
 SGT 1525.9 SGR 511.2 SG3 58.8
 RRT .1751 RRF -.1690 RTF -.8174
 SGB 1609.2 R23 -.0086 R13 -.8178
 SGI 1528.8 SG2 502.3 TMA 3.76

ORBIT DETERMINATION ACCURACY
 ST 631.7 SR 435.1 SS 564.4
 CRT -.6341 CRS -.7115 CST .9937
 LSA 901.5 MSA 306.4 SSA 17.0
 EL1 705.4 EL2 301.3 ALF 150.51

LAUNCH DATE APR 13 1967

FLIGHT TIME 102.00

ARRIVAL DATE JUL 24 1967

HELIOCENTRIC CONIC

DISTANCE 211.847

RL 150.00 LAL -1.00 LOL 202.39 VL 22.47H GAL 20.50 AZL 91.27 MCA 75.09 SMA 104.97 ECC .53297 INC 1.2649 VI 29.706
 RP 108.82 LAP -1.22 LOP 277.47 VP 34.276 GAP -32.15 AZP 90.33 TAL 159.42 TAP 234.51 RCA 49.02 APO 160.92 V2 34.824
 RC 66.992 GL -2.34 GP 4.27 ZAL 49.58 ZAP 18.12 ETS 195.85 ZAE 134.43 ETE 170.87 ZAC 145.19 ETC 35.28 CLP 17.63

PLANETOCENTRIC CONIC

C3 129.553 VML 11.382 DLA 8.27 RAL 153.96 RAD 6570.4 VEL 15.839 PTH 2.80 VMP 19.327 OPA 27.43 RAP 118.12 ECC 3.1321
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 12 12 2917.05 -28.28 90.38 51.41 88.52 8 0 49 2317.0 -28.19 81.72
 90.00 21 15 8 5042.28 23.56 222.42 43.64 73.82 22 39 11 4442.3 21.12 214.60
 100.00 8 37 33 2641.78 -29.88 70.18 51.45 88.93 9 21 35 2041.8 -29.70 61.38
 100.00 22 32 29 4792.78 25.09 203.57 43.14 73.19 23 52 21 4192.8 22.55 195.70
 110.00 9 54 55 2399.63 -34.18 51.84 51.50 90.05 10 34 55 1799.6 -33.80 42.61
 110.00 23 31 35 4607.69 29.19 188.06 41.67 71.37 24 48 23 4007.7 26.37 180.01

DIFFERENTIAL CORRECTIONS

TOE .9898 TRA-2.7860 TC3 -.2430 BAU .4230
 RDE -.8369 RRA -.5529 RC3 .0245 FAU .01156
 FDE -.5818 FRA 1.2708 FC3 -.0773 BSP 3699
 BDE 1.2962 BRA 2.8403 BC3 .2442 FSP -146

MID-COURSE EXECUTION ACCURACY

SGT 1600.8 SGR 509.6 SG3 63.2
 RRT .1934 RRF -.1831 RTF -.8242
 SGB 1680.0 R23 -.0067 R13 -.8246
 SG1 1604.2 SG2 498.9 TMA 3.90

ORBIT DETERMINATION ACCURACY

ST 655.2 SR 429.7 SS 586.6
 CRT -.6183 CRS -.7090 CST .9918
 LSA 928.3 MSA 309.7 SSA 17.3
 EL1 720.9 EL2 306.9 ALF 152.55

LAUNCH DATE APR 13 1967

FLIGHT TIME 104.00

ARRIVAL DATE JUL 26 1967

HELIOCENTRIC CONIC

DISTANCE 218.276

RL 150.00 LAL -1.00 LOL 202.39 VL 22.832 GAL 19.69 AZL 91.43 MCA 78.25 SMA 106.32 ECC .51297 INC 1.4253 VI 29.706
 RP 108.84 LAP -1.40 LOP 280.64 VP 34.502 GAP -30.83 AZP 90.29 TAL 158.63 TAP 236.89 RCA 51.78 APO 160.85 V2 34.817
 RC 64.892 GL -2.80 GP 4.47 ZAL 48.81 ZAP 16.94 ETS 197.45 ZAE 135.25 ETE 169.84 ZAC 143.48 ETC 33.90 CLP 16.36

PLANETOCENTRIC CONIC

C3 119.582 VML 10.935 DLA 7.56 RAL 154.53 RAD 6570.2 VEL 15.522 PTH 2.77 VMP 18.613 OPA 27.35 RAP 120.26 ECC 2.9680
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 20 3 2878.47 -28.32 87.56 50.40 89.94 8 8 1 2278.5 -28.03 78.91
 90.00 21 11 51 5049.39 23.69 222.89 43.32 74.02 22 36 1 4449.4 21.28 215.06
 100.00 8 45 1 2604.40 -29.89 67.40 50.39 90.39 9 28 26 2004.4 -29.52 58.61
 100.00 22 29 34 4798.70 25.20 203.98 42.84 73.37 23 49 32 4198.7 22.69 196.08
 110.00 10 1 34 2364.86 -34.15 49.12 50.30 91.66 10 40 59 1764.9 -33.54 39.93
 110.00 23 29 31 4611.00 29.26 188.29 41.39 71.49 24 46 22 4011.0 26.46 180.23

DIFFERENTIAL CORRECTIONS

TOE 1.0766 TRA-2.7231 TC3 -.2261 BAU .3645
 RDE -.7887 RRA -.5389 RC3 .0291 FAU .01238
 FDE -.6209 FRA 1.2984 FC3 -.0896 BSP 5803
 BDE 1.3346 BRA 2.7759 BC3 .2280 FSP -185

MID-COURSE EXECUTION ACCURACY

SGT 1623.1 SGR 503.9 SG3 67.8
 RRT .1771 RRF -.1852 RTF -.8439
 SGB 1700.1 R23 -.0206 R13 -.8444
 SG1 1625.8 SG2 497.1 TMA 3.49

ORBIT DETERMINATION ACCURACY

ST 710.5 SR 422.0 SS 619.2
 CRT -.6545 CRS -.7191 CST .9954
 LSA 989.1 MSA 296.2 SSA 16.8
 EL1 772.5 EL2 293.5 ALF 154.89

LAUNCH DATE APR 13 1967

FLIGHT TIME 106.00

ARRIVAL DATE JUL 28 1967

HELIOCENTRIC CONIC

DISTANCE 224.763

RL 150.00 LAL -1.00 LOL 202.39 VL 23.165 GAL 18.92 AZL 91.58 MCA 81.41 SMA 107.64 ECC .49365 INC 1.5818 VI 29.706
 RP 108.86 LAP -1.56 LOP 283.80 VP 34.717 GAP -29.57 AZP 90.24 TAL 157.86 TAP 239.28 RCA 54.50 APO 160.78 V2 34.810
 RC 62.843 GL -3.30 GP 4.68 ZAL 48.09 ZAP 15.79 ETS 199.36 ZAE 136.15 ETE 168.69 ZAC 141.74 ETC 32.65 CLP 15.10

PLANETOCENTRIC CONIC

C3 110.431 VML 10.509 DLA 6.83 RAL 155.05 RAD 6570.1 VEL 15.224 PTH 2.73 VMP 17.920 OPA 27.25 RAP 122.40 ECC 2.8174
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 27 48 2838.95 -28.29 84.67 49.29 91.39 8 15 7 2239.0 -27.79 76.04
 90.00 21 8 16 5056.61 23.83 223.38 42.94 74.23 22 32 32 4456.6 21.44 215.53
 100.00 8 52 24 2566.08 -29.84 64.55 49.24 91.89 9 35 11 1966.1 -29.26 55.79
 100.00 22 26 21 4804.71 25.32 204.38 42.47 73.56 23 46 25 4204.7 22.83 196.48
 110.00 10 8 6 2329.19 -34.04 46.34 49.01 93.30 10 46 55 1729.2 -33.21 37.20
 110.00 23 27 8 4614.36 29.34 188.52 41.05 71.61 24 44 3 4014.4 26.55 180.45

DIFFERENTIAL CORRECTIONS

TOE 1.0676 TRA-2.7543 TC3 -.2391 BAU .3564
 RDE -.7434 RRA -.5271 RC3 .0334 FAU .01252
 FDE -.6463 FRA 1.3427 FC3 -.0982 BSP 5626
 BDE 1.3010 BRA 2.8042 BC3 .2414 FSP -194

MID-COURSE EXECUTION ACCURACY

SGT 1696.7 SGR 503.0 SG3 72.8
 RRT .1951 RRF -.2007 RTF -.8507
 SGB 1769.7 R23 -.0198 R13 -.8513
 SG1 1699.8 SG2 492.4 TMA 3.61

ORBIT DETERMINATION ACCURACY

ST 738.2 SR 414.5 SS 644.2
 CRT -.6424 CRS -.7166 CST .9942
 LSA 1021.4 MSA 296.9 SSA 17.0
 EL1 793.3 EL2 295.6 ALF 156.75

LAUNCH DATE APR 13 1967

FLIGHT TIME 108.00

ARRIVAL DATE JUL 30 1967

HELIOCENTRIC CONIC

DISTANCE 231.293

RL 150.00 LAL -1.00 LOL 202.39 VL 23.479 GAL 18.18 AZL 91.74 MCA 84.58 SMA 108.93 ECC .47498 INC 1.7358 VI 29.706
 RP 108.88 LAP -1.73 LOP 286.96 VP 34.922 GAP -28.36 AZP 90.16 TAL 157.12 TAP 241.69 RCA 57.19 APO 160.67 V2 34.805
 RC 60.850 GL -3.84 GP 4.92 ZAL 47.41 ZAP 14.67 ETS 201.64 ZAE 137.14 ETE 167.42 ZAC 139.97 ETC 31.51 CLP 13.84

PLANETOCENTRIC CONIC

C3 102.008 VML 10.100 DLA 6.07 RAL 155.52 RAD 6570.0 VEL 14.945 PTH 2.69 VMP 17.246 OPA 27.14 RAP 124.55 ECC 2.6788
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 35 28 2798.42 -28.18 81.71 48.08 92.87 8 22 6 2198.4 -27.49 73.11
 90.00 21 4 20 5063.94 23.96 223.88 42.48 74.45 22 28 44 4463.9 21.60 216.00
 100.00 8 59 41 2526.77 -29.71 61.63 47.98 93.42 9 41 48 1926.8 -28.92 52.92
 100.00 22 22 48 4810.82 25.44 204.80 42.02 73.75 23 42 58 4210.8 22.97 196.88
 110.00 10 14 32 2292.56 -33.86 43.49 47.62 94.98 10 52 44 1692.6 -32.80 34.42
 110.00 23 24 27 4617.80 29.41 188.76 40.63 71.74 24 41 25 4017.8 26.63 180.68

DIFFERENTIAL CORRECTIONS

TOE 1.0710 TRA-2.7702 TC3 -.2473 BAU .3413
 RDE -.6984 RRA -.5150 RC3 .0384 FAU .01279
 FDE -.6753 FRA 1.3867 FC3 -.1085 BSP 5771
 BDE 1.2786 BRA 2.8177 BC3 .2502 FSP -209

MID-COURSE EXECUTION ACCURACY

SGT 1765.3 SGR 499.3 SG3 78.3
 RRT .2097 RRF -.2158 RTF -.8589
 SGB 1834.5 R23 -.0214 R13 -.8594
 SG1 1768.6 SG2 487.3 TMA 3.67

ORBIT DETERMINATION ACCURACY

ST 770.8 SR 405.9 SS 671.5
 CRT -.6360 CRS -.7153 CST .9936
 LSA 1059.5 MSA 294.9 SSA 17.1
 EL1 819.9 EL2 294.5 ALF 158.59

LAUNCH DATE APR 13 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 1 1967

HELIOCENTRIC CONIC

DISTANCE 237.863

RL 150.00 LAL -.00 LOL 202.39 VL 23.775 GAL 17.47 AZL 91.89 MCA 87.74 SMA 110.20 ECC .45697 INC 1.8881 V1 29.706
 RP 108.90 LAP -1.89 LOP 290.13 VP 35.116 GAP -27.18 AZP 90.07 TAL 156.40 TAP 244.13 RCA 59.84 APO 160.56 V2 34.800
 RC 58.919 GL -4.41 GP 5.18 ZAL 46.78 ZAP 13.59 ETS 204.39 ZAE 138.22 ETE 165.99 ZAC 138.18 ETC 30.48 CLP 12.58

PLANETOCENTRIC CONIC

C3 94.265 VHL 9.709 OLA 5.29 RAL 155.93 RAD 6569.8 VEL 14.684 PTH 2.66 VMP 16.592 DPA 27.03 RAP 126.70 ECC 2.5514
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 43 3 2756.85 -28.00 78.68 46.78 94.38 8 29 0 2156.8 -27.10 70.13
 90.00 21 0 2 5071.54 24.10 224.39 41.95 74.67 22 24 34 4471.5 21.76 216.50
 100.00 9 6 53 2486.43 -29.51 58.65 46.64 94.98 9 48 20 1886.4 -28.51 49.99
 100.00 22 18 53 4817.19 25.56 205.24 41.50 73.95 23 39 10 4217.2 23.11 197.29
 110.00 10 20 51 2254.95 -33.60 40.59 46.15 96.68 10 58 26 1654.9 -32.31 31.59
 110.00 23 21 25 4621.44 29.49 189.02 40.14 71.87 24 38 26 4021.4 26.73 180.92

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0728 TRA-2.7855 TC3 -.2555 BAU .3268 SGT 1836.4 SGR 495.1 SG3 84.2 ST 803.9 SR 396.2 SS 700.0
 RDE -.6541 RRA -.5031 RC3 .0439 FAU .01308 RRT .2260 RRF -.2329 RTF -.8664 CRT -.6282 CRS -.7131 CST .9929
 FDE -.7058 FRA 1.4329 FC3 -.1201 BSP 5888 SGB 1902.0 R23 -.0232 R13 -.8669 LSA 1098.8 MSA 292.6 SSA 17.2
 BDE 1.2565 BRA 2.8306 BC3 .2593 FSP -224 SG1 1840.0 SG2 481.4 TMA 3.74 EL1 847.2 EL2 292.5 ALF 160.36

LAUNCH DATE APR 13 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 3 1967

HELIOCENTRIC CONIC

DISTANCE 244.469

RL 150.00 LAL -.00 LOL 202.39 VL 24.054 GAL 16.80 AZL 92.04 MCA 90.90 SMA 111.43 ECC .43964 INC 2.0397 V1 29.706
 RP 108.91 LAP -2.04 LOP 293.29 VP 35.301 GAP -26.05 AZP 89.97 TAL 155.70 TAP 246.60 RCA 62.44 APO 160.42 V2 34.795
 RC 57.057 GL -5.04 GP 5.46 ZAL 46.21 ZAP 12.55 ETS 207.73 ZAE 139.38 ETE 164.39 ZAC 136.37 ETC 29.55 CLP 11.32

PLANETOCENTRIC CONIC

C3 87.152 VHL 9.336 OLA 4.48 RAL 156.29 RAD 6569.7 VEL 14.439 PTH 2.62 VMP 15.957 DPA 26.92 RAP 128.84 ECC 2.4343
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 50 34 2714.18 -27.74 75.59 45.39 95.91 8 35 49 2114.2 -26.64 67.10
 90.00 20 55 21 5079.57 24.24 224.93 41.35 74.90 22 20 1 4479.6 21.94 217.02
 100.00 9 14 1 2445.02 -29.23 55.61 45.21 96.56 9 54 46 1845.0 -28.01 47.01
 100.00 22 14 36 4823.96 25.69 205.70 40.91 74.16 23 35 0 4224.0 23.26 197.74
 110.00 10 27 6 2216.33 -33.26 37.63 44.59 98.40 11 4 2 1616.3 -31.74 28.73
 110.00 23 18 1 4625.42 29.57 189.30 39.58 72.02 24 35 6 4025.4 26.83 181.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0748 TRA-2.7980 TC3 -.2630 BAU .3119 SGT 1908.7 SGR 490.5 SG3 90.6 ST 838.1 SR 385.4 SS 729.8
 RDE -.6103 RRA -.4915 RC3 .0501 FAU .01339 RRT .2438 RRF -.2518 RTF -.8736 CRT -.6198 CRS -.7101 CST .9921
 FDE -.7383 FRA 1.4812 FC3 -.1330 BSP 6030 SGB 1970.7 R23 -.0255 R13 -.8741 LSA 1139.9 MSA 289.5 SSA 17.4
 BDE 1.2360 BRA 2.8408 BC3 .2677 FSP -241 SG1 1912.7 SG2 474.7 TMA 3.82 EL1 875.9 EL2 289.4 ALF 162.07

LAUNCH DATE APR 13 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 5 1967

HELIOCENTRIC CONIC

DISTANCE 251.107

RL 150.00 LAL -.00 LOL 202.39 VL 24.316 GAL 16.15 AZL 92.19 MCA 94.06 SMA 112.63 ECC .42298 INC 2.1915 V1 29.706
 RP 108.92 LAP -2.19 LOP 296.45 VP 35.477 GAP -24.96 AZP 89.84 TAL 155.04 TAP 249.09 RCA 64.99 APO 160.27 V2 34.792
 RC 55.270 GL -5.71 GP 5.78 ZAL 45.69 ZAP 11.58 ETS 211.79 ZAE 140.62 ETE 162.59 ZAC 134.54 ETC 28.69 CLP 10.05

PLANETOCENTRIC CONIC

C3 80.624 VHL 8.979 OLA 3.64 RAL 156.59 RAD 6569.6 VEL 14.212 PTH 2.59 VMP 15.341 DPA 26.81 RAP 130.99 ECC 2.3269
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 58 4 2670.37 -27.40 72.43 43.93 97.45 8 42 34 2070.4 -26.08 64.01
 90.00 20 50 15 5088.19 24.40 225.52 40.70 75.16 22 15 3 4488.2 22.12 217.59
 100.00 9 21 7 2402.51 -28.86 52.50 43.70 98.15 10 1 9 1802.5 -27.43 45.99
 100.00 22 9 53 4831.29 25.82 206.20 40.27 74.39 23 30 24 4231.3 23.43 198.22
 110.00 10 33 16 2176.68 -32.82 34.61 42.96 100.13 11 9 32 1576.7 -31.08 25.83
 110.00 23 14 13 4629.89 29.67 189.61 38.96 72.18 24 31 23 4029.9 26.94 181.48

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0821 TRA-2.8027 TC3 -.2669 BAU .2941 SGT 1979.3 SGR 485.5 SG3 97.5 ST 875.2 SR 373.3 SS 761.8
 RDE -.5669 RRA -.4804 RC3 .0570 FAU .01379 RRT .2619 RRF -.2723 RTF -.8811 CRT -.6130 CRS -.7067 CST .9917
 FDE -.7742 FRA 1.5308 FC3 -.1481 BSP 6309 SGB 2038.0 R23 -.0289 R13 -.8817 LSA 1185.0 MSA 284.9 SSA 17.4
 BDE 1.2216 BRA 2.8435 BC3 .2729 FSP -262 SG1 1983.6 SG2 467.5 TMA 3.89 EL1 908.0 EL2 284.3 ALF 163.71

LAUNCH DATE APR 13 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 7 1967

HELIOCENTRIC CONIC

DISTANCE 257.772

RL 150.00 LAL -.00 LOL 202.39 VL 24.562 GAL 15.53 AZL 92.34 MCA 97.21 SMA 113.79 ECC .40698 INC 2.3445 V1 29.706
 RP 108.93 LAP -2.33 LOP 299.61 VP 35.643 GAP -23.90 AZP 89.71 TAL 154.40 TAP 251.61 RCA 67.48 APO 160.10 V2 34.789
 RC 55.566 GL -6.43 GP 6.13 ZAL 45.23 ZAP 10.70 ETS 216.74 ZAE 141.94 ETE 160.54 ZAC 132.69 ETC 27.92 CLP 8.79

PLANETOCENTRIC CONIC

C3 74.642 VHL 8.640 OLA 2.77 RAL 156.82 RAD 6569.5 VEL 14.000 PTH 2.55 VMP 14.743 DPA 26.71 RAP 133.13 ECC 2.2284
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 5 32 2625.37 -26.96 69.21 42.39 99.01 8 49 18 2025.4 -25.44 60.87
 90.00 20 44 40 5097.62 24.56 226.16 39.98 75.44 22 9 38 4497.6 22.32 218.21
 100.00 9 28 10 2358.83 -28.40 49.34 42.12 99.75 10 7 29 1758.8 -26.76 40.92
 100.00 22 4 44 4839.39 25.97 206.76 39.56 74.65 23 25 23 4239.4 23.61 198.75
 110.00 10 39 23 2135.96 -32.29 31.56 41.26 101.87 11 14 59 1536.0 -30.32 22.90
 110.00 23 10 0 4635.03 29.77 189.97 38.29 72.37 24 27 15 4035.0 27.07 181.83

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0885 TRA-2.8060 TC3 -.2699 BAU .2769 SGT 2051.7 SGR 480.2 SG3 105.0 ST 913.1 SR 359.9 SS 795.4
 RDE -.5240 RRA -.4700 RC3 .0646 FAU .01422 RRT .2827 RRF -.2957 RTF -.8882 CRT -.6043 CRS -.7018 CST .9912
 FDE -.8126 FRA 1.5830 FC3 -.1649 BSP 6570 SGB 2107.2 R23 -.0327 R13 -.8888 LSA 1231.7 MSA 279.9 SSA 17.5
 BDE 1.2080 BRA 2.8451 BC3 .2775 FSP -284 SG1 2056.4 SG2 459.5 TMA 3.98 EL1 941.2 EL2 278.2 ALF 165.29

LAUNCH DATE APR 13 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC

DISTANCE 264.462

RL 150.00 LAL -1.00 LOL 202.39 VL 24.794 GAL 14.93 AZL 92.50 MCA 100.37 SMA 114.92 ECC .39166 INC 2.4996 V1 29.706
 RP 108.94 LAP -2.46 LOP 302.77 VP 35.801 GAP -22.87 AZP 89.55 TAL 153.79 TAP 254.16 RCA 69.91 APO 159.93 V2 34.786
 RC 51.953 GL -7.22 GP 6.51 ZAL 44.82 ZAP 9.93 ETS 222.72 ZAE 143.32 ETE 158.21 ZAC 130.83 ETC 27.21 CLP 7.51

PLANETOCENTRIC CONIC

C3 69.166 VML 8.317 DLA 1.86 RAL 157.00 RAD 6569.3 VEL 13.803 PTH 2.52 VMP 14.163 DPA 26.62 RAP 135.28 ECC 2.1383
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 13 2 2579.12 -26.42 65.93 40.80 100.57 8 56 1 1979.1 -24.70 57.68
 90.00 20 38 36 5108.06 24.74 226.88 39.21 75.76 22 3 44 4508.1 22.54 218.90
 100.00 9 35 15 2313.96 -27.84 46.12 40.49 101.36 10 13 49 1714.0 -25.99 37.81
 100.00 21 59 4 4848.45 26.13 207.38 38.81 74.94 23 19 53 4248.5 23.81 199.35
 110.00 10 45 28 2094.15 -31.67 28.46 39.51 103.61 11 20 22 1494.1 -29.47 19.94
 110.00 23 5 20 4641.03 29.89 190.40 37.57 72.59 24 22 41 4041.0 27.22 182.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0953 TRA-2.8066 TC3 -.2712 BAU .2597 SGT 2125.0 SGR 474.9 SG3 113.1 ST 952.0 SR 345.1 SS 830.9
 ROE -.4815 RRA -.4605 RC3 .0730 FAU .01469 RRT .3062 RRF -.3222 RTF -.8950 CRT -.5937 CRS -.6951 CST .9907
 FOE -.8541 FRA 1.6380 FC3 -.1839 BSP 6848 SGB 2177.4 R23 -.0369 R13 -.8956 LSA 1280.8 MSA 274.3 SSA 17.5
 BOE 1.1964 BRA 2.8442 BC3 .2809 FSP -309 SGI 2130.2 SG2 450.9 TMA 4.10 EL1 975.7 EL2 271.0 ALF 166.82

LAUNCH DATE APR 13 1967

FLIGHT TIME 120.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 271.171

RL 150.00 LAL -1.00 LOL 202.39 VL 25.011 GAL 14.37 AZL 92.66 MCA 103.53 SMA 116.01 ECC .37699 INC 2.6578 V1 29.706
 RP 108.94 LAP -2.58 LOP 305.93 VP 35.950 GAP -21.88 AZP 89.38 TAL 153.21 TAP 256.74 RCA 72.27 APO 159.74 V2 34.785
 RC 50.440 GL -8.06 GP 6.94 ZAL 44.48 ZAP 9.32 ETS 229.83 ZAE 144.75 ETE 155.53 ZAC 128.96 ETC 26.57 CLP 6.23

PLANETOCENTRIC CONIC

C3 64.164 VML 8.010 DLA .90 RAL 157.12 RAD 6569.2 VEL 13.621 PTH 2.49 VMP 13.601 DPA 26.55 RAP 137.42 ECC 2.0560
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 20 35 2531.55 -25.78 62.59 39.15 102.13 9 2 46 1931.5 -23.86 54.45
 90.00 20 31 58 5119.76 24.93 227.68 38.40 76.12 21 57 17 4519.8 22.78 219.67
 100.00 9 42 21 2267.82 -27.17 42.85 38.81 102.96 10 20 8 1667.8 -25.12 34.65
 100.00 21 52 53 4858.72 26.31 208.09 38.01 75.27 23 13 52 4258.7 24.03 200.04
 110.00 10 51 33 2051.20 -30.93 25.32 37.72 105.33 11 25 44 1451.2 -28.52 16.95
 110.00 23 0 10 4648.11 30.04 190.90 36.80 72.86 24 17 38 4048.1 27.40 182.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1019 TRA-2.8054 TC3 -.2711 BAU .2430 SGT 2199.5 SGR 469.7 SG3 122.0 ST 991.9 SR 328.8 SS 868.4
 ROE -.4392 RRA -.4521 RC3 .0822 FAU .01520 RRT .3332 RRF -.3523 RTF -.9014 CRT -.5802 CRS -.6859 CST .9902
 FOE -.8991 FRA 1.6962 FC3 -.2051 BSP 7119 SGB 2249.1 R23 -.0417 R13 -.9021 LSA 1331.9 MSA 268.2 SSA 17.5
 BOE 1.1862 BRA 2.8416 BC3 .2833 FSP -336 SGI 2205.3 SG2 441.7 TMA 4.24 EL1 1011.4 EL2 262.7 ALF 168.31

LAUNCH DATE APR 13 1967

FLIGHT TIME 122.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC

DISTANCE 277.898

RL 150.00 LAL -1.00 LOL 202.39 VL 25.215 GAL 13.82 AZL 92.82 MCA 106.69 SMA 117.06 ECC .36298 INC 2.8204 V1 29.706
 RP 108.94 LAP -2.70 LOP 309.10 VP 36.092 GAP -20.93 AZP 89.19 TAL 152.66 TAP 259.35 RCA 74.57 APO 159.54 V2 34.784
 RC 49.035 GL -8.98 GP 7.42 ZAL 44.21 ZAP 8.91 ETS 238.05 ZAE 146.21 ETE 152.45 ZAC 127.07 ETC 25.98 CLP 4.94

PLANETOCENTRIC CONIC

C3 59.603 VML 7.720 DLA -1.10 RAL 157.16 RAD 6569.1 VEL 13.452 PTH 2.46 VMP 13.056 DPA 26.51 RAP 139.56 ECC 1.9809
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 28 13 2482.58 -25.04 59.20 37.47 103.67 9 9 35 1882.6 -22.91 51.17
 90.00 20 24 43 5133.01 25.14 228.59 37.55 76.53 21 50 16 4533.0 23.04 220.55
 100.00 9 49 30 2220.35 -26.41 39.53 37.09 104.54 10 26 31 1620.4 -24.15 31.46
 100.00 21 46 6 4870.47 26.51 208.91 37.18 75.66 23 7 17 4270.5 24.28 200.82
 110.00 10 57 39 2007.08 -30.10 22.16 35.90 107.03 11 31 6 1407.1 -27.47 13.95
 110.00 22 54 28 4656.51 30.20 191.50 36.01 73.18 24 12 4 4056.5 27.61 183.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1081 TRA-2.8030 TC3 -.2696 BAU .2271 SGT 2275.3 SGR 465.1 SG3 131.6 ST 1032.4 SR 311.0 SS 908.2
 ROE -.3971 RRA -.4452 RC3 .0924 FAU .01574 RRT .3643 RRF -.3867 RTF -.9073 CRT -.5624 CRS -.6730 CST .9897
 FOE -.9479 FRA 1.7579 FC3 -.2287 BSP 7372 SGB 2322.4 R23 -.0470 R13 -.9081 LSA 1385.1 MSA 261.8 SSA 17.5
 BOE 1.1771 BRA 2.8381 BC3 .2850 FSP -365 SGI 2281.8 SG2 431.9 TMA 4.42 EL1 1048.1 EL2 253.3 ALF 169.78

LAUNCH DATE APR 13 1967

FLIGHT TIME 124.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC

DISTANCE 284.638

RL 150.00 LAL -1.00 LOL 202.39 VL 25.407 GAL 13.30 AZL 92.99 MCA 109.84 SMA 118.06 ECC .34961 INC 2.9883 V1 29.706
 RP 108.94 LAP -2.81 LOP 312.26 VP 36.226 GAP -20.00 AZP 88.98 TAL 152.14 TAP 261.99 RCA 76.79 APO 159.34 V2 34.784
 RC 47.750 GL -9.97 GP 7.95 ZAL 44.01 ZAP 8.74 ETS 248.99 ZAE 147.67 ETE 148.90 ZAC 125.17 ETC 25.46 CLP 3.64

PLANETOCENTRIC CONIC

C3 55.455 VML 7.447 DLA -1.16 RAL 157.14 RAD 6569.0 VEL 13.297 PTH 2.43 VMP 12.529 DPA 26.50 RAP 141.70 ECC 1.9126
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 35 58 2432.13 -24.18 55.75 35.76 105.20 9 16 30 1832.1 -21.86 47.85
 90.00 20 16 48 5148.11 25.38 224064 36.68 77.00 21 42 36 4548.1 23.34 221.56
 100.00 9 56 46 2171.48 -25.53 36.17 35.34 106.11 10 32 58 1571.5 -23.07 28.23
 100.00 21 38 41 4883.99 26.73 209.85 36.31 76.10 23 0 5 4284.0 24.56 201.73
 110.00 11 3 47 1961.73 -29.15 18.97 34.06 108.70 11 36 29 1361.7 -26.32 10.93
 110.00 22 48 10 4666.50 30.40 192.21 35.18 73.56 24 5 56 4066.5 27.85 183.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1154 TRA-2.7978 TC3 -.2658 BAU .2115 SGT 2351.4 SGR 461.4 SG3 142.1 ST 1074.2 SR 291.4 SS 950.5
 ROE -.3549 RRA -.4399 RC3 .1035 FAU .01633 RRT .3996 RRF -.4257 RTF -.9130 CRT -.5393 CRS -.6550 CST .9892
 FOE -1.0014 FRA 1.8233 FC3 -.2549 BSP 7631 SGB 2396.2 R23 -.0532 R13 -.9139 LSA 1441.2 MSA 255.0 SSA 17.5
 BOE 1.1705 BRA 2.8321 BC3 .2853 FSP -396 SGI 2358.8 SG2 421.7 TMA 4.63 EL1 1086.2 EL2 242.6 ALF 171.24

LAUNCH DATE APR 13 1967

FLIGHT TIME 126.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 291.390

RL 150.00 LAL -.00 LOL 202.39 VL 25.586 GAL 12.81 AZL 93.16 MCA 113.00 SMA 119.03 ECC .33687 INC 3.1631 V1 29.706
 RP 108.94 LAP -2.91 LOP 315.42 VP 36.352 GAP -19.10 AZP 88.76 TAL 151.66 TAP 264.66 RCA 78.93 APO 159.13 V2 34.785
 RC 46.594 GL -11.04 GP 8.55 ZAL 43.89 ZAP 8.86 ETS 256.46 ZAE 149.08 ETE 144.80 ZAC 123.26 ETC 24.98 CLP 2.31

PLANETOCENTRIC CONIC

C3 51.694 VHL 7.190 DLA -2.28 RAL 157.05 RAD 6568.9 VEL 13.155 PTH 2.40 VMP 12.020 DPA 26.54 RAP 143.84 ECC 1.8507
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 43 54 2380.08 -23.21 52.25 34.02 106.69 9 23 35 1780.1 -20.70 44.47 W
 90.00 20 8 8 5165.41 25.64 230.84 35.78 77.55 21 34 14 4565.4 23.67 222.72
 100.00 10 4 11 2121.11 -24.53 32.76 33.58 107.64 10 39 32 1521.1 -21.89 24.96
 100.00 21 30 33 4899.61 26.99 210.94 35.43 76.63 22 52 12 4299.6 24.88 202.78
 110.00 11 10 0 1915.10 -28.09 15.75 32.21 110.33 11 41 55 1315.1 -25.06 7.89
 110.00 22 41 13 4678.38 30.63 193.06 34.34 74.02 23 59 12 4078.4 28.13 184.75

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1232 TRA-2.7912 TC3 -.2606 BAU .1970 SGT 2428.4 SGR 459.2 SG3 153.6 ST 1116.8 SR 270.0 SS 995.6
 RDE -.3123 RRA -.4367 RC3 .1157 FAU .01695 RRT .4395 RRF -.4696 RTF -.9183 CRT -.5076 CRS -.6294 CST .9887
 FDE-1.0602 FRA 1.8927 FC3 -.2839 BSP 7881 SGB 2471.4 R23 -.0602 R13 -.9193 LSA 1499.9 MSA 247.9 SSA 17.4
 BDE 1.1658 BRA 2.8252 BC3 .2851 FSP -430 SGI 2437.0 SG2 411.0 TMA 4.89 ELI 1125.6 EL2 230.8 ALF 172.70

LAUNCH DATE APR 13 1967

FLIGHT TIME 128.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 298.148

RL 150.00 LAL -.00 LOL 202.39 VL 25.754 GAL 12.33 AZL 93.35 MCA 116.16 SMA 119.96 ECC .32476 INC 3.3463 V1 29.706
 RP 108.94 LAP -2.91 LOP 318.59 VP 36.472 GAP -18.23 AZP 88.52 TAL 151.20 TAP 267.36 RCA 81.00 APO 158.92 V2 34.786
 RC 45.578 GL -12.20 GP 9.23 ZAL 43.86 ZAP 9.28 ETS 265.51 ZAE 150.38 ETE 140.10 ZAC 121.34 ETC 24.55 CLP .98

PLANETOCENTRIC CONIC

C3 48.296 VHL 6.949 DLA -3.46 RAL 156.89 RAD 6568.8 VEL 13.025 PTH 2.38 VMP 11.529 DPA 26.63 RAP 145.99 ECC 1.7948
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 52 5 2326.28 -22.11 48.68 32.28 108.15 9 30 51 1726.3 -19.43 41.04
 90.00 19 58 39 5185.31 25.92 232.22 34.87 78.19 21 25 4 4585.3 24.03 224.06
 100.00 10 11 48 2069.10 -23.41 29.30 31.81 109.13 10 46 17 1469.1 -20.59 21.64
 100.00 21 21 36 4917.72 27.26 212.22 34.54 77.24 22 43 34 4317.7 25.23 204.01
 110.00 11 16 20 1867.09 -26.91 12.52 30.36 111.92 11 47 27 1267.1 -23.70 4.83
 110.00 22 33 34 4692.49 30.89 194.08 33.50 74.57 23 51 46 4092.5 28.46 185.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1374 TRA-2.7763 TC3 -.2479 BAU .1804 SGT 2501.3 SGR 459.1 SG3 166.0 ST 1163.0 SR 246.6 SS 1044.9
 RDE -.2689 RRA -.4357 RC3 .1291 FAU .01771 RRT .4837 RRF -.5181 RTF -.9240 CRT -.4660 CRS -.5928 CST .9885
 FDE-1.1270 FRA 1.9646 FC3 -.3175 BSP 8265 SGB 2543.1 R23 -.0680 R13 -.9251 LSA 1564.5 MSA 239.6 SSA 17.3
 BDE 1.1687 BRA 2.8103 BC3 .2795 FSP -471 SGI 2511.4 SG2 400.3 TMA 5.21 ELI 1168.9 EL2 217.1 ALF 174.15

LAUNCH DATE APR 13 1967

FLIGHT TIME 130.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 304.912

RL 150.00 LAL -.00 LOL 202.39 VL 25.911 GAL 11.88 AZL 93.54 MCA 119.32 SMA 120.85 ECC .31324 INC 3.5397 V1 29.706
 RP 108.93 LAP -3.09 LOP 321.75 VP 36.585 GAP -17.38 AZP 88.27 TAL 150.78 TAP 270.10 RCA 82.99 APO 158.70 V2 34.788
 RC 44.711 GL -13.46 GP 9.99 ZAL 43.92 ZAP 10.00 ETS 273.69 ZAE 151.52 ETE 134.75 ZAC 119.41 ETC 24.16 CLP -.38

PLANETOCENTRIC CONIC

C3 45.241 VHL 6.726 DLA -4.72 RAL 156.64 RAD 6568.7 VEL 12.908 PTH 2.35 VMP 11.055 DPA 26.79 RAP 148.14 ECC 1.7446
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 0 33 2270.56 -20.89 45.06 30.55 109.57 9 38 24 1670.6 -18.03 37.55
 90.00 19 48 13 5208.27 26.23 233.83 33.96 78.94 21 15 1 4608.3 24.44 225.62
 100.00 10 19 40 2015.32 -22.17 25.79 30.05 110.58 10 53 16 1415.3 -19.17 18.28
 100.00 21 11 47 4938.74 27.57 213.70 33.65 77.97 22 34 5 4338.7 25.63 205.44
 110.00 11 22 50 1817.61 -25.61 9.26 28.53 113.45 11 53 7 1217.6 -22.22 1.75
 110.00 22 25 7 4709.22 31.18 195.29 32.66 75.23 23 43 36 4109.2 28.84 186.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1605 TRA-2.7591 TC3 -.2318 BAU .1650 SGT 2576.0 SGR 462.3 SG3 179.5 ST 1215.7 SR 221.7 SS 1098.4
 RDE -.2244 RRA -.4374 RC3 .1438 FAU .01855 RRT .5310 RRF -.5710 RTF -.9296 CRT -.4069 CRS -.5373 CST .9887
 FDE-1.2022 FRA 2.0400 FC3 -.3551 BSP 8734 SGB 2617.2 R23 -.0777 R13 -.9308 LSA 1637.2 MSA 230.1 SSA 17.1
 BDE 1.1820 BRA 2.7935 BC3 .2728 FSP -518 SGI 2588.0 SG2 389.9 TMA 5.57 ELI 1219.1 EL2 201.9 ALF 175.64

LAUNCH DATE APR 13 1967

FLIGHT TIME 132.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 311.678

RL 150.00 LAL -.00 LOL 202.39 VL 26.058 GAL 11.45 AZL 93.75 MCA 122.47 SMA 121.69 ECC .30233 INC 3.7455 V1 29.706
 RP 108.92 LAP -3.16 LOP 324.92 VP 36.692 GAP -16.57 AZP 87.99 TAL 150.39 TAP 272.87 RCA 84.90 APO 158.48 V2 34.791
 RC 44.000 GL -14.82 GP 10.86 ZAL 44.08 ZAP 11.00 ETS 280.69 ZAE 152.41 ETE 128.75 ZAC 117.46 ETC 23.82 CLP -1.77

PLANETOCENTRIC CONIC

C3 42.515 VHL 6.520 DLA -6.06 RAL 156.31 RAD 6568.6 VEL 12.802 PTH 2.33 VMP 10.599 DPA 27.04 RAP 150.32 ECC 1.6997
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 9 25 2212.72 -19.52 41.36 28.84 110.93 9 46 18 1612.7 -16.50 33.99
 90.00 19 36 43 5234.82 26.57 235.71 33.06 79.82 21 3 58 4634.8 24.89 227.44
 100.00 10 27 53 1959.59 -20.79 22.22 28.31 111.97 11 0 33 1359.6 -17.63 14.85
 100.00 21 0 57 4963.18 27.91 215.44 32.78 78.82 22 23 40 4363.2 26.08 207.12
 110.00 11 29 33 1766.54 -24.19 5.98 26.71 114.93 11 58 59 1166.5 -20.62 358.64
 110.00 22 15 46 4728.99 31.52 196.74 31.85 76.02 23 34 35 4129.0 29.27 188.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1774 TRA-2.7375 TC3 -.2101 BAU .1500 SGT 2645.2 SGR 469.8 SG3 194.2 ST 1263.8 SR 195.6 SS 1155.7
 RDE -.1779 RRA -.4425 RC3 .1597 FAU .01944 RRT .5851 RRF -.6282 RTF -.9350 CRT -.3103 CRS -.4482 CST .9886
 FDE-1.2858 FRA 2.1199 FC3 -.3958 BSP 9119 SGB 2686.6 R23 -.0859 R13 -.9364 LSA 1709.3 MSA 221.7 SSA 16.8
 BDE 1.1908 BRA 2.7730 BC3 .2639 FSP -568 SGI 2659.8 SG2 378.9 TMA 6.06 ELI 1265.3 EL2 185.7 ALF 177.19

LAUNCH DATE APR 13 1967

FLIGHT TIME 134.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 318.442

RL 150.00 LAL -1.00 LOL 202.39 VL 26.195 GAL 11.05 AZL 93.97 MCA 125.63 SMA 122.50 ECC .29198 INC 3.9663 V1 29.706
 RP 108.91 LAP -3.22 LOP 328.09 VP 36.793 GAP -15.77 AZP 87.69 TAL 150.04 TAP 275.67 RCA 86.73 APO 158.26 V2 34.795
 RC 43.455 GL -16.31 GP 11.85 ZAL 44.35 ZAP 12.26 ETS 286.42 ZAE 152.96 ETE 122.21 ZAC 115.50 ETC 23.51 CLP -3.18

PLANETOCENTRIC CONIC

C3 40.100 VML 6.332 OLA -7.50 RAL 155.89 RAD 6568.5 VEL 12.707 PTH 2.31 VMP 10.162 DPA 27.39 RAP 152.51 ECC 1.6599
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 18 47 2152.44 -18.01 37.58 27.15 112.22 9 54 39 1552.4 -14.84 30.34
 90.00 19 24 1 5265.59 26.92 237.89 32.19 80.86 20 51 46 4665.6 25.38 229.56
 100.00 10 36 31 1901.64 -19.27 18.59 26.60 113.30 11 8 13 1301.6 -15.96 11.36
 100.00 20 48 57 4991.62 28.26 217.48 31.93 79.84 22 12 9 4391.6 26.57 209.09
 110.00 11 36 33 1713.71 -22.63 2.66 24.93 116.33 12 5 6 1113.7 -18.91 355.50
 110.00 22 5 25 4752.31 31.89 198.45 31.07 76.98 23 24 38 4152.3 29.77 189.88

DIFFERENTIAL CORRECTIONS

TOE 1.2226 TRA-2.6934 TC3 -.1642 BAU .1297
 RDE -.1283 RRA -.4508 RC3 .1778 FAU .02079
 FDE -1.3885 FRA 2.1950 FC3 -.4489 BSP 10058
 BDE 1.2293 BRA 2.7308 BC3 .2420 FSP -641

MID-COURSE EXECUTION ACCURACY

SGT 2703.5 SGR 483.1 SG3 210.1
 RRT .6400 RRF -.6862 RTF -.9423
 SGB 2746.3 R23 -.0933 R13 -.9439
 SG1 2721.4 SG2 368.7 TMA 6.65

ORBIT DETERMINATION ACCURACY

ST 1329.5 SR 169.6 SS 1222.8
 CRT -.1661 CRS -.3030 CST .9898
 LSA 1802.2 MSA 208.4 SSA 16.3
 EL1 1329.8 EL2 167.2 ALF 178.77

LAUNCH DATE APR 13 1967

FLIGHT TIME 136.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 325.231

RL 150.00 LAL -1.00 LOL 202.39 VL 26.322 GAL 10.67 AZL 94.21 MCA 128.79 SMA 123.26 ECC .28230 INC 4.2053 V1 29.706
 RP 108.90 LAP -3.28 LOP 331.25 VP 36.888 GAP -15.00 AZP 87.36 TAL 149.70 TAP 278.49 RCA 88.46 APO 158.05 V2 34.799
 RC 43.079 GL -17.91 GP 12.98 ZAL 44.73 ZAP 13.76 ETS 290.95 ZAE 153.10 ETE 115.29 ZAC 113.51 ETC 23.23 CLP -4.61

PLANETOCENTRIC CONIC

C3 38.031 VML 6.167 OLA -9.03 RAL 155.40 RAD 6568.5 VEL 12.625 PTH 2.29 VMP 9.748 DPA 27.85 RAP 154.74 ECC 1.6259
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 28 51 2089.72 -16.36 33.73 25.56 113.44 10 3 41 1489.7 -13.05 26.61
 90.00 19 10 0 5301.54 27.28 240.46 31.39 82.10 20 38 21 4701.5 25.90 232.06
 100.00 10 45 47 1841.52 -17.61 14.89 24.97 114.55 11 16 29 1241.5 -14.15 7.81
 100.00 20 35 45 5024.97 28.64 219.89 31.16 81.05 21 59 30 4425.0 27.11 211.42
 110.00 11 43 59 1659.27 -20.95 359.33 23.24 117.65 12 11 39 1059.3 -17.08 352.34
 110.00 21 54 2 4779.98 32.29 200.51 30.39 78.13 23 13 42 4180.0 30.32 191.85

DIFFERENTIAL CORRECTIONS

TOE .9509 TRA-2.9712 TC3 -.4520 BAU .2481
 RDE -.0873 RRA -.4771 RC3 .1840 FAU .01585
 FDE -1.3689 FRA 2.4164 FC3 -.3607 BSP 3325
 BDE .9549 BRA 3.0093 BC3 .4880 FSP -436

MID-COURSE EXECUTION ACCURACY

SGT 2984.0 SGR 509.5 SG3 228.3
 RRT .6949 RRF -.7563 RTF -.9168
 SGB 3027.2 R23 -.1523 R13 -.9192
 SG1 3005.3 SG2 363.7 TMA 6.87

ORBIT DETERMINATION ACCURACY

ST 1218.2 SR 157.3 SS 1215.5
 CRT .2147 CRS -.0495 CST .9643
 LSA 1705.5 MSA 277.9 SSA 16.8
 EL1 1218.7 EL2 153.6 ALF 1.61

LAUNCH DATE APR 13 1967

FLIGHT TIME 138.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 331.974

RL 150.00 LAL -1.00 LOL 202.39 VL 26.441 GAL 10.29 AZL 94.47 MCA 131.95 SMA 123.98 ECC .27301 INC 4.4666 V1 29.706
 RP 108.88 LAP -3.32 LOP 334.42 VP 36.977 GAP -14.25 AZP 87.01 TAL 149.42 TAP 281.37 RCA 90.13 APO 157.83 V2 34.804
 RC 42.876 GL -19.68 GP 14.29 ZAL 45.28 ZAP 15.51 ETS 294.48 ZAE 152.74 ETE 108.29 ZAC 111.50 ETC 23.00 CLP -6.09

PLANETOCENTRIC CONIC

C3 36.200 VML 6.017 OLA -10.68 RAL 154.77 RAD 6568.4 VEL 12.553 PTH 2.27 VMP 9.349 DPA 28.49 RAP 157.01 ECC 1.5958
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 39 38 2023.21 -14.51 29.72 23.97 114.58 10 13 21 1423.2 -11.08 22.72
 90.00 18 54 9 5343.10 27.63 243.45 30.59 83.56 20 23 13 4743.1 26.45 234.98
 100.00 10 55 39 1777.98 -15.77 11.07 23.36 115.72 11 25 17 1178.0 -12.19 4.12
 100.00 20 20 50 5063.56 29.02 222.70 30.39 82.49 21 45 13 4463.6 27.67 214.15
 110.00 11 51 48 1602.13 -19.10 355.93 21.56 118.90 12 18 30 1002.1 -15.10 349.09
 110.00 21 41 10 4812.17 32.72 202.92 29.71 79.50 23 1 22 4212.2 30.92 194.16

DIFFERENTIAL CORRECTIONS

TOE 1.2017 TRA-2.7252 TC3 -.1946 BAU .1396
 RDE -.0219 RRA -.4875 RC3 .2129 FAU .02114
 FDE -1.5796 FRA 2.4118 FC3 -.5057 BSP 8940
 BDE 1.2019 BRA 2.7685 BC3 .2885 FSP -691

MID-COURSE EXECUTION ACCURACY

SGT 2887.8 SGR 537.8 SG3 245.8
 RRT .7493 RRF -.8029 RTF -.9434
 SGB 2937.4 R23 -.1288 R13 -.9458
 SG1 2916.2 SG2 352.7 TMA 8.06

ORBIT DETERMINATION ACCURACY

ST 1391.9 SR 143.4 SS 1340.7
 CRT .4427 CRS -.2863 CST .2856
 LSA 1926.4 MSA 210.8 SSA 15.6
 EL1 1393.4 EL2 128.5 ALF 2.63

LAUNCH DATE APR 13 1967

FLIGHT TIME 140.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 338.729

RL 150.00 LAL -1.00 LOL 202.39 VL 26.552 GAL 9.94 AZL 94.76 MCA 135.10 SMA 124.67 ECC .26433 INC 4.7553 V1 29.706
 RP 108.87 LAP -3.35 LOP 337.59 VP 37.062 GAP -13.52 AZP 86.63 TAL 149.16 TAP 284.26 RCA 91.71 APO 157.62 V2 34.809
 RC 42.849 GL -21.60 GP 15.81 ZAL 45.97 ZAP 17.50 ETS 297.10 ZAE 151.87 ETE 101.51 ZAC 109.45 ETC 22.78 CLP -7.60

PLANETOCENTRIC CONIC

C3 34.701 VML 5.891 OLA -12.46 RAL 154.03 RAD 6568.4 VEL 12.493 PTH 2.26 VMP 8.976 DPA 29.30 RAP 159.36 ECC 1.5711
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 51 32 1953.03 -12.48 25.56 22.51 115.62 10 24 5 1353.0 -8.93 18.68
 90.00 18 36 25 5391.93 27.96 246.98 29.88 85.30 20 6 16 4791.9 27.01 238.45
 100.00 11 6 29 1711.24 -13.76 7.14 21.86 116.80 11 35 0 1111.2 -10.06 .31
 100.00 20 4 9 5108.95 29.38 226.02 29.73 84.20 21 29 18 4508.9 28.26 217.40
 110.00 12 0 17 1542.73 -17.11 352.47 19.98 120.05 12 26 0 942.7 -12.99 345.79
 110.00 21 26 50 4850.23 33.15 205.81 29.16 81.15 22 47 40 4250.2 31.58 196.94

DIFFERENTIAL CORRECTIONS

TOE 1.2370 TRA-2.7017 TC3 -.1695 BAU .1339
 RDE .0415 RRA -.5141 RC3 .2336 FAU .02200
 FDE -1.7123 FRA 2.5094 FC3 -.5488 BSP 9261
 BDE 1.2377 BRA 2.7501 BC3 .2886 FSP -753

MID-COURSE EXECUTION ACCURACY

SGT 2954.6 SGR 582.8 SG3 265.5
 RRT .7967 RRF -.8519 RTF -.9475
 SGB 3011.5 R23 -.1429 R13 -.9503
 SG1 2991.3 SG2 347.9 TMA 9.05

ORBIT DETERMINATION ACCURACY

ST 1448.9 SR 159.1 SS 1416.6
 CRT .7488 CRS .6286 CST .9858
 LSA 2022.1 MSA 204.9 SSA 14.9
 EL1 1453.8 EL2 105.1 ALF 4.72

LAUNCH DATE APR 13 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC
 RL 150.00 LAL -.00 LOL 202.39 VL 26.655 GAL 9.61 AZL 95.08 MCA 138.26 SMA 125.31 ECC .25616 INC 5.0779 V1 29.706
 RP 108.85 LAP -3.38 LOP 340.76 VP 37.141 GAP -12.82 AZP 86.21 TAL 148.93 TAP 287.19 RCA 93.21 APO 157.41 V2 34.815
 RC 42.995 GL -23.69 GP 17.58 ZAL 46.84 ZAP 19.75 ETS 298.97 ZAE 150.45 ETE 95.25 ZAC 107.35 ETC 22.58 CLP -9.14

PLANETOCENTRIC CONIC
 C3 33.520 VHL 5.790 DLA -14.38 RAL 153.17 RAC 6568.3 VEL 12.446 PTH 2.25 VHP 8.629 DPA 30.33 RAP 161.79 ECC 1.5517
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 4 51 1878.00 -10.24 21.19 21.17 116.55 10 36 9 1278.0 -6.59 14.41
 90.00 18 16 13 5449.47 28.21 251.18 29.25 87.39 19 47 3 4849.5 27.55 242.57
 100.00 11 18 31 1640.33 -11.55 3.04 20.48 117.76 11 45 51 1040.3 -7.74 356.31
 100.00 19 45 15 5162.38 29.68 229.97 29.15 86.25 21 11 17 4562.4 28.84 221.26
 110.00 12 9 34 1480.41 -14.95 348.93 18.51 121.10 12 34 15 880.4 -10.72 342.38
 110.00 21 10 40 4895.07 33.57 209.24 28.73 83.15 22 32 16 4295.1 32.26 200.26

MID-COURSE EXECUTION ACCURACY
 SGT 3016.1 SGR 643.7 SG3 286.0
 RRT .8378 RRF -.8928 RTF -.9518
 SGB 3084.1 R23 -.1553 R13 -.9552
 SGI 3064.6 SG2 345.9 TMA 10.27

ORBIT DETERMINATION ACCURACY
 ST 1511.6 SR 202.8 SS 1499.3
 CRT .9176 CRS .8411 CST .9864
 LSA 2129.4 MSA 199.0 SSA 14.0
 ELI 1523.1 EL2 80.0 ALF 7.04

DIFFERENTIAL CORRECTIONS
 TOE 1.2837 TRA-2.6730 TC3 -.1381 BAU .1302
 RDE .1142 RRA -.5485 RC3 .2556 FAU .02289
 FDE-1.8650 FRA 2.6052 FC3 -.5912 BSP 9674
 BDE 1.2887 BRA 2.7287 BC3 .2905 FSP -823

LAUNCH DATE APR 13 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC
 RL 150.00 LAL -.00 LOL 202.39 VL 26.750 GAL 9.30 AZL 95.44 MCA 141.42 SMA 125.91 ECC .24850 INC 5.4431 V1 29.706
 RP 108.83 LAP -3.39 LOP 343.94 VP 37.216 GAP -12.13 AZP 85.74 TAL 148.72 TAP 290.15 RCA 94.62 APO 157.20 V2 34.822
 RC 43.312 GL -25.98 GP 19.65 ZAL 47.89 ZAP 22.28 ETS 300.22 ZAE 148.50 ETE 89.72 ZAC 105.18 ETC 22.39 CLP -10.72

PLANETOCENTRIC CONIC
 C3 32.681 VHL 5.717 DLA -16.46 RAL 152.17 RAD 6568.3 VEL 12.412 PTH 2.24 VHP 8.311 DPA 31.64 RAP 164.36 ECC 1.5378
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 20 6 1796.73 -7.73 16.54 20.00 117.33 10 50 3 1196.7 -4.01 9.84
 90.00 17 52 56 5517.96 28.32 256.18 28.70 89.90 19 24 54 4918.0 28.00 247.53
 100.00 11 32 11 1564.17 -9.10 358.71 19.26 118.60 11 58 15 964.2 -5.21 352.08
 100.00 19 23 33 5225.76 29.87 234.67 28.68 88.72 20 50 39 4625.8 29.37 225.90
 110.00 12 19 56 1414.60 -12.61 345.28 17.17 122.04 12 43 30 814.6 -8.29 338.85
 110.00 20 52 18 4948.09 33.93 213.34 28.44 85.55 22 14 46 4348.1 32.94 204.24

MID-COURSE EXECUTION ACCURACY
 SGT 3075.4 SGR 724.2 SG3 307.1
 RRT .8714 RRF -.9252 RTF -.9557
 SGB 3159.5 R23 -.1663 R13 -.9598
 SGI 3140.3 SG2 347.9 TMA 11.74

ORBIT DETERMINATION ACCURACY
 ST 1578.0 SR 272.9 SS 1587.6
 CRT .9802 CRS .9368 CST .9871
 LSA 2246.6 MSA 194.4 SSA 13.0
 ELI 1600.6 EL2 53.3 ALF 9.63

DIFFERENTIAL CORRECTIONS
 TOE 1.3396 TRA-2.6449 TC3 -.1078 BAU .1303
 RDE .1992 RRA -.5926 RC3 .2780 FAU .02364
 FDE-2.0379 FRA 2.6983 FC3 -.6262 BSP 10052
 BDE 1.3543 BRA 2.7105 BC3 .2981 FSP -894

LAUNCH DATE APR 13 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC
 RL 150.00 LAL -.00 LOL 202.39 VL 26.838 GAL 9.01 AZL 95.86 MCA 144.58 SMA 126.48 ECC .24133 INC 5.8629 V1 29.706
 RP 108.80 LAP -3.39 LOP 347.11 VP 37.287 GAP -11.46 AZP 85.22 TAL 148.55 TAP 293.13 RCA 95.96 APO 157.01 V2 34.830
 RC 43.796 GL -28.49 GP 22.10 ZAL 49.16 ZAP 25.15 ETS 300.92 ZAE 146.01 ETE 85.03 ZAC 102.93 ETC 22.18 CLP -12.33

PLANETOCENTRIC CONIC
 C3 32.227 VHL 5.677 DLA -18.71 RAL 150.99 RAD 6568.3 VEL 12.394 PTH 2.24 VHP 8.030 DPA 33.27 RAP 167.13 ECC 1.5304
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 38 8 1706.94 -4.89 11.47 19.07 117.93 11 6 35 1106.9 -1.12 4.82
 90.00 17 25 34 5600.71 28.18 262.23 28.23 92.92 18 58 54 5000.7 28.29 253.57
 100.00 11 48 8 1481.07 -6.36 354.06 18.26 119.27 12 12 49 881.1 -2.41 347.50
 100.00 18 58 15 5301.82 29.85 240.32 28.31 91.70 20 26 37 4701.8 29.76 231.52
 110.00 12 31 42 1344.52 -10.05 341.46 16.02 122.85 12 54 7 744.5 -5.65 335.13
 110.00 20 31 10 5011.13 34.15 218.25 28.32 88.44 21 54 41 4411.1 33.56 209.06

MID-COURSE EXECUTION ACCURACY
 SGT 3133.8 SGR 828.0 SG3 328.1
 RRT .8974 RRF -.9494 RTF -.9590
 SGB 3241.4 R23 -.1758 R13 -.9640
 SGI 3221.8 SG2 355.4 TMA 13.51

ORBIT DETERMINATION ACCURACY
 ST 1645.7 SR 367.9 SS 1679.3
 CRT .9975 CRS .9753 CST .9876
 LSA 2372.0 MSA 192.5 SSA 11.9
 ELI 1686.2 EL2 25.5 ALF 12.57

DIFFERENTIAL CORRECTIONS
 TOE 1.4033 TRA-2.6220 TC3 -.0847 BAU .1341
 RDE .3010 RRA -.6486 RC3 .2995 FAU .02403
 FDE-2.2299 FRA 2.7862 FC3 -.6456 BSP 10303
 BDE 1.4352 BRA 2.7010 BC3 .3113 FSP -960

LAUNCH DATE APR 13 1967

FLIGHT TIME 148.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC
 RL 150.00 LAL -.00 LOL 202.39 VL 26.920 GAL 8.74 AZL 96.35 MCA 147.74 SMA 127.01 ECC .23464 INC 6.3535 V1 29.706
 RP 108.78 LAP -3.39 LOP 350.29 VP 37.353 GAP -10.81 AZP 84.62 TAL 148.40 TAP 296.14 RCA 97.21 APO 156.82 V2 34.838
 RC 44.440 GL -31.24 GP 24.99 ZAL 50.67 ZAP 28.41 ETS 301.16 ZAE 142.99 ETE 81.19 ZAC 100.57 ETC 21.94 CLP -13.97

PLANETOCENTRIC CONIC
 C3 32.230 VHL 5.677 DLA -21.15 RAL 149.62 RAD 6568.3 VEL 12.394 PTH 2.24 VHP 7.793 DPA 35.29 RAP 170.16 ECC 1.5304
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 0 25 1604.41 -1.60 5.73 18.49 118.28 11 27 10 1004.4 2.19 359.10
 90.00 16 52 21 5703.28 27.60 269.68 27.78 96.61 18 27 24 5103.3 28.23 261.07
 100.00 12 7 27 1388.12 -3.24 348.92 17.58 119.73 12 30 35 788.1 .74 342.40
 100.00 18 28 1 5394.81 29.46 247.20 28.00 95.30 19 57 56 4794.8 29.88 238.43
 110.00 12 45 28 1268.92 -7.23 337.42 15.11 123.50 13 6 37 668.9 -2.78 331.17
 110.00 20 6 28 5086.77 34.13 224.16 28.35 91.94 21 31 15 4486.8 34.03 214.91

MID-COURSE EXECUTION ACCURACY
 SGT 3185.9 SGR 959.2 SG3 347.5
 RRT .9173 RRF -.9665 RTF -.9625
 SGB 3327.2 R23 -.1800 R13 -.9685
 SGI 3306.8 SG2 367.9 TMA 15.64

ORBIT DETERMINATION ACCURACY
 ST 1723.0 SR 489.9 SS 1776.4
 CRT .9996 CRS .9906 CST .9884
 LSA 2515.5 MSA 190.7 SSA 10.6
 ELI 1791.2 EL2 13.2 ALF 15.87

DIFFERENTIAL CORRECTIONS
 TOE 1.4892 TRA-2.5952 TC3 -.0586 BAU .1401
 RDE .4269 RRA -.7173 RC3 .3198 FAU .02421
 FDE-2.4475 FRA 2.8533 FC3 -.6504 BSP 10671
 BDE 1.5492 BRA 2.6925 BC3 .3252 FSP -1028

LAUNCH DATE APR 13 1967

FLIGHT TIME 150.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 372.352

RL 150.00 LAL -.00 LOL 202.39 VL 26.995 GAL 8.48 AZL 96.94 MCA 150.90 SMA 127.51 ECC .22842 INC 6.9383 V1 29.706
 RP 108.75 LAP -3.37 LOP 353.46 VP 37.415 GAP -10.18 AZP 83.93 TAL 148.27 TAP 299.17 RCA 98.38 APO 156.63 V2 34.846
 RC 45.237 GL -34.27 GP 28.44 ZAL 52.46 ZAP 32.12 ETS 300.99 ZAE 139.40 ETE 78.15 ZAC 98.05 ETC 21.62 CLP -15.61

PLANETOCENTRIC CONIC

C3 32.809 VHL 5.728 DLA -23.81 RAL 148.02 RAD 6568.3 VEL 12.417 PTH 2.24 VMP 7.616 DPA 37.77 RAP 173.59 ECC 1.5400
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 30 12 1479.78 2.42 358.78 18.48 118.22 11 54 52 879.8 6.17 352.11
 90.00 16 9 45 5836.89 26.19 279.20 27.18 101.18 17 47 2 5236.9 27.47 270.76
 100.00 12 32 16 1279.47 .44 342.96 17.38 119.89 12 53 35 679.5 4.41 336.42
 100.00 17 50 23 5512.44 28.41 255.79 27.65 99.70 19 22 16 4912.4 29.46 247.14
 110.00 13 2 9 1185.75 -4.08 333.04 14.56 123.97 13 21 55 585.7 .40 326.83
 110.00 19 36 59 5178.92 33.69 231.31 28.50 96.15 21 3 18 4578.9 34.18 222.10

DIFFERENTIAL CORRECTIONS

TDE 1.5974 TRA-2.5737 TC3 -.0406 BAU .1482
 RDE .5858 RRA -.8013 RC3 .3354 FAU .02373
 FDE-2.6842 FRA 2.8929 FC3 -.6263 BSP 10987
 BDE 1.7014 BRA 2.6956 BC3 .3379 FSP -1083

MID-COURSE EXECUTION ACCURACY

SGT 3236.2 SGR 1121.8 SG3 363.8
 RRT .9320 RRF -.9781 RTF -.9656
 SGB 3425.2 R23 -.1797 R13 -.9729
 SG1 3403.3 SG2 386.7 TMA 18.15

ORBIT DETERMINATION ACCURACY

ST 1807.1 SR 642.3 SS 1873.8
 CRT .9977 CRS .9966 CST .9893
 LSA 2674.5 MSA 190.6 SSA 9.4
 EL1 1917.5 EL2 40.6 ALF 19.54

LAUNCH DATE APR 13 1967

FLIGHT TIME 152.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 379.035

RL 150.00 LAL -.00 LOL 202.39 VL 27.065 GAL 8.24 AZL 97.65 MCA 154.05 SMA 127.97 ECC .22264 INC 7.6521 V1 29.706
 RP 108.72 LAP -3.34 LOP 356.64 VP 37.474 GAP -9.56 AZP 83.11 TAL 148.16 TAP 302.21 RCA 99.48 APO 156.46 V2 34.856
 RC 46.178 GL -37.60 GP 32.55 ZAL 54.56 ZAP 36.38 ETS 300.45 ZAE 135.18 ETE 75.78 ZAC 95.33 ETC 21.14 CLP -17.22

PLANETOCENTRIC CONIC

C3 34.165 VHL 5.845 DLA -26.69 RAL 146.12 RAD 6568.3 VEL 12.471 PTH 2.26 VMP 7.518 DPA 40.78 RAP 177.62 ECC 1.5623
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 18 13 1300.23 8.12 348.66 19.65 117.22 12 39 53 700.2 11.71 341.82
 90.00 15 6 37 748.82 22.83 314.96 25.86 107.23 15 19 5 148.8 24.97 306.95
 100.00 13 7 59 1139.45 5.17 335.25 18.05 119.48 13 26 59 539.5 9.06 328.62
 100.00 16 59 31 5672.88 26.05 267.12 26.89 105.20 18 34 4 5072.9 27.88 258.79
 110.00 13 23 26 1090.98 -.47 328.09 14.55 124.18 13 41 37 491.0 4.02 321.88
 110.00 19 0 34 5294.12 32.50 240.09 28.63 101.21 20 28 48 4694.1 35.71 231.06

DIFFERENTIAL CORRECTIONS

TDE 1.7424 TRA-2.5565 TC3 -.0285 BAU .1573
 RDE .7919 RRA -.9008 RC3 .3431 FAU .02246
 FDE-2.9361 FRA 2.8842 FC3 -.5692 BSP 11347
 BDE 1.9139 BRA 2.7105 BC3 .3443 FSP -1121

MID-COURSE EXECUTION ACCURACY

SGT 3284.0 SGR 1319.2 SG3 374.0
 RRT .9428 RRF -.9856 RTF -.9685
 SGB 3539.1 R23 -.1737 R13 -.9773
 SG1 3515.2 SG2 410.8 TMA 21.04

ORBIT DETERMINATION ACCURACY

ST 1904.0 SR 831.0 SS 1968.7
 CRT .9956 CRS .9989 CST .9903
 LSA 2855.7 MSA 191.3 SSA 8.1
 EL1 2076.2 EL2 71.6 ALF 23.52

LAUNCH DATE APR 13 1967

FLIGHT TIME 154.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 385.698

RL 150.00 LAL -.00 LOL 202.39 VL 27.128 GAL 8.02 AZL 98.55 MCA 157.21 SMA 128.40 ECC .21731 INC 8.5488 V1 29.706
 RP 108.69 LAP -3.30 LOP 359.82 VP 37.529 GAP -8.96 AZP 82.11 TAL 148.07 TAP 305.28 RCA 100.49 APO 156.30 V2 34.865
 RC 47.255 GL -41.27 GP 37.46 ZAL 57.02 ZAP 41.26 ETS 299.57 ZAE 130.24 ETE 73.89 ZAC 92.35 ETC 20.37 CLP -18.74

PLANETOCENTRIC CONIC

C3 36.647 VHL 6.054 DLA -29.80 RAL 143.85 RAD 6568.4 VEL 12.570 PTH 2.28 VMP 7.536 DPA 44.34 RAP 182.55 ECC 1.6031
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.30 12 14 12 1297.64 16.51 352.69 22.66 115.17 12 35 50 697.6 19.77 345.42
 99.70 14 52 31 786.84 16.53 315.15 22.67 115.16 15 5 37 186.8 19.78 307.87
 100.00 14 35 14 842.03 14.72 318.35 21.77 116.31 14 49 16 242.0 18.14 311.22
 100.00 15 14 10 717.68 18.33 310.88 23.54 114.03 15 26 7 117.7 21.42 303.45
 110.00 13 53 16 974.53 3.98 322.01 15.46 123.98 14 9 31 374.5 8.41 315.72
 110.00 18 12 37 5445.99 29.95 251.18 28.33 107.31 19 43 23 4846.0 32.02 242.58

DIFFERENTIAL CORRECTIONS

TDE 1.9429 TRA-2.5482 TC3 -.0246 BAU .1656
 RDE 1.0644 RRA-1.0143 RC3 .3372 FAU .02005
 FDE-3.1878 FRA 2.8054 FC3 -.4736 BSP 11766
 BDE 2.2154 BRA 2.7426 BC3 .3381 FSP -1130

MID-COURSE EXECUTION ACCURACY

SGT 3332.7 SGR 1551.0 SG3 374.6
 RRT .9509 RRF -.9903 RTF -.9714
 SGB 3675.9 R23 -.1624 R13 -.9816
 SG1 3649.7 SG2 438.3 TMA 24.24

ORBIT DETERMINATION ACCURACY

ST 2019.1 SR 1060.8 SS 2053.4
 CRT .9942 CRS .9997 CST .9915
 LSA 3062.9 MSA 192.2 SSA 6.9
 EL1 2278.5 EL2 101.4 ALF 27.64

LAUNCH DATE APR 13 1967

FLIGHT TIME 156.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 392.340

RL 150.00 LAL -.00 LOL 202.39 VL 27.186 GAL 7.82 AZL 99.72 MCA 160.35 SMA 128.79 ECC .21241 INC 9.7165 V1 29.706
 RP 108.66 LAP -3.25 LOP 37.01 VP 37.580 GAP -8.37 AZP 80.84 TAL 147.99 TAP 308.35 RCA 101.43 APO 156.15 V2 34.875
 RC 48.458 GL -45.30 GP 43.28 ZAL 59.90 ZAP 46.84 ETS 298.28 ZAE 124.45 ETE 72.19 ZAC 89.06 ETC 19.08 CLP -20.02

PLANETOCENTRIC CONIC

C3 40.905 VHL 6.396 DLA -33.14 RAL 141.10 RAD 6568.6 VEL 12.739 PTH 2.32 VMP 7.727 DPA 48.44 RAP 188.91 ECC 1.6732
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.02 11 5 10 1508.02 17.31 9.00 22.55 118.70 11 30 18 908.0 21.01 1.91
 107.98 15 39 33 632.00 17.33 303.89 22.56 118.70 15 50 5 32.0 21.02 296.79
 72.02 11 5 10 1508.02 17.31 9.00 22.55 118.70 11 30 18 908.0 21.01 1.91
 107.98 15 39 33 632.00 17.33 303.89 22.56 118.70 15 50 5 32.0 21.02 296.79
 110.00 14 48 5 790.15 10.89 312.20 18.63 122.60 15 1 15 190.1 15.11 305.64
 110.00 16 55 49 5685.91 23.99 267.27 26.17 115.11 18 30 35 5085.9 27.17 259.54

DIFFERENTIAL CORRECTIONS

TDE 2.2394 TRA-2.5565 TC3 -.0295 BAU .1709
 RDE 1.4313 RRA-1.1336 RC3 .3112 FAU .01624
 FDE-3.4154 FRA 2.6308 FC3 -.3437 BSP 12302
 BDE 2.6544 BRA 2.7965 BC3 .3126 FSP -1100

MID-COURSE EXECUTION ACCURACY

SGT 3390.1 SGR 1809.2 SG3 361.2
 RRT .9570 RRF -.9931 RTF -.9744
 SGB 3842.7 R23 -.1468 R13 -.9857
 SG1 3814.2 SG2 466.4 TMA 27.50

ORBIT DETERMINATION ACCURACY

ST 2164.2 SR 1332.9 SS 2119.0
 CRT .9936 CRS 1.0000 CST .9928
 LSA 3303.6 MSA 192.8 SSA 5.8
 EL1 2538.5 EL2 127.9 ALF 31.56

LAUNCH DATE APR 13 1967

FLIGHT TIME 158.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC
 RL 150.00 LAL -.00 LOL 202.39 VL 27.240 GAL 7.63 AZL 101.31 MCA 163.50 SMA 129.15 ECC .20793 INC11.3098 V1 29.706
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.629 GAP -7.80 AZP 79.14 TAL 147.92 TAP 311.42 RCA 102.30 APO 156.01 V2 34.886
 RC 49.776 GL -49.67 GP 50.10 ZAL 63.23 ZAP 53.14 ETS 296.36 ZAE 117.72 ETE 70.19 ZAC 85.37 ETC 16.80 CLP -20.74

PLANETOCENTRIC CONIC
 C3 48.240 VHL 6.945 DLA -36.63 RAL 137.69 RAD 6568.8 VEL 13.023 PTH 2.38 VMP 8.193 DPA 52.87 RAP 197.52 ECC 1.7939
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 65.72 10 14 57 1660.31 17.45 21.08 22.67 122.74 10 42 37 1060.3 21.64 14.26
 114.28 16 2 38 5850.69 17.46 276.42 22.68 122.73 17 40 9 5250.7 21.65 269.60
 65.72 10 14 57 1660.31 17.45 21.08 22.67 122.74 10 42 37 1060.3 21.64 14.26
 114.28 16 2 38 5850.69 17.46 276.42 22.68 122.73 17 40 9 5250.7 21.65 269.60
 65.72 10 14 57 1660.31 17.45 21.08 22.67 122.74 10 42 37 1060.3 21.64 14.26
 114.28 16 2 38 5850.69 17.46 276.42 22.68 122.73 17 40 9 5250.7 21.65 269.60

MID-COURSE EXECUTION ACCURACY
 SGT 3475.7 SGR 2066.5 SG3 330.2
 RRT .9615 RRF -.9946 RTF -.9776
 SGB 4043.6 R23 -.1286 R13 -.9893
 SGI 4013.6 SG2 491.9 TMA 30.26

ORBIT DETERMINATION ACCURACY
 ST 2359.4 SR 1633.6 SS 2151.3
 CRT .9938 CRS 1.0000 CST .9943
 LSA 3581.4 MSA 192.3 SSA 4.8
 EL1 2865.8 EL2 149.3 ALF 34.64

DIFFERENTIAL CORRECTIONS
 TOE 2.6896 TRA-2.6017 TC3 -.0470 BAU .1681
 RDE 1.9254 RRA-1.2385 RC3 .2564 FAU .01067
 FDE-3.5779 FRA 2.3475 FC3 -.1914 BSP 12908
 BDE 3.3077 BRA 2.8814 BC3 .2606 FSP -1011

LAUNCH DATE APR 13 1967

FLIGHT TIME 160.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC
 RL 150.00 LAL -.00 LOL 202.39 VL 27.288 GAL 7.47 AZL 103.63 MCA 166.62 SMA 129.49 ECC .20388 INC13.6264 V1 29.706
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.674 GAP -7.25 AZP 76.73 TAL 147.85 TAP 314.47 RCA 103.09 APO 155.88 V2 34.897
 RC 51.201 GL -54.32 GP 57.91 ZAL 67.07 ZAP 60.07 ETS 293.01 ZAE 109.95 ETE 66.78 ZAC 81.20 ETC 12.43 CLP -20.10

PLANETOCENTRIC CONIC
 C3 61.583 VHL 7.847 DLA -40.13 RAL 133.42 RAD 6569.1 VEL 13.525 PTH 2.47 VMP 9.130 DPA 57.08 RAP 209.67 ECC 2.0135
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 60.28 9 31 9 1797.87 16.45 31.71 22.90 127.14 10 1 7 1197.9 21.16 25.30
 119.72 16 12 22 5833.61 16.47 274.29 22.91 127.13 17 49 35 5233.6 21.18 267.87
 60.28 9 31 9 1797.87 16.45 31.71 22.90 127.14 10 1 7 1197.9 21.16 25.30
 119.72 16 12 22 5833.61 16.47 274.29 22.91 127.13 17 49 35 5233.6 21.18 267.87
 60.28 9 31 9 1797.87 16.45 31.71 22.90 127.14 10 1 7 1197.9 21.16 25.30
 119.72 16 12 22 5833.61 16.47 274.29 22.91 127.13 17 49 35 5233.6 21.18 267.87

MID-COURSE EXECUTION ACCURACY
 SGT 3634.9 SGR 2246.6 SG3 280.8
 RRT .9637 RRF -.9946 RTF -.9817
 SGB 4273.1 R23 -.1094 R13 -.9924
 SGI 4242.1 SG2 514.2 TMA 31.29

ORBIT DETERMINATION ACCURACY
 ST 2653.3 SR 1907.5 SS 2139.8
 CRT .9943 CRS .9999 CST .9960
 LSA 3901.4 MSA 191.0 SSA 3.8
 EL1 3263.6 EL2 165.4 ALF 35.66

DIFFERENTIAL CORRECTIONS
 TOE 3.4734 TRA-2.7240 TC3 -.0775 BAU .1540
 RDE 2.5646 RRA-1.2694 RC3 .1702 FAU .00345
 FDE-3.6345 FRA 1.9823 FC3 -.0485 BSP 13623
 BDE 4.3176 BRA 3.0053 BC3 .1870 FSP -863

LAUNCH DATE APR 13 1967

FLIGHT TIME 162.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC
 RL 150.00 LAL -.00 LOL 202.39 VL 27.332 GAL 7.33 AZL 107.32 MCA 169.71 SMA 129.79 ECC .20028 INC17.3157 V1 29.706
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.716 GAP -6.73 AZP 72.95 TAL 147.77 TAP 317.49 RCA 103.80 APO 155.78 V2 34.908
 RC 52.722 GL -58.96 GP 66.49 ZAL 71.45 ZAP 67.41 ETS 285.16 ZAE 101.04 ETE 58.68 ZAC 76.38 ETC 2.61 CLP -15.62

PLANETOCENTRIC CONIC
 C3 88.679 VHL 9.417 DLA -43.24 RAL 128.01 RAD 6569.7 VEL 14.492 PTH 2.63 VMP 10.956 DPA 59.83 RAP 226.66 ECC 2.4594
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 55.85 8 50 35 1935.15 13.73 41.34 22.93 131.41 9 22 50 1335.2 18.94 35.42
 124.15 16 9 48 5866.34 13.75 274.83 22.95 131.41 17 47 34 5266.3 18.95 268.91
 55.85 8 50 35 1935.15 13.73 41.34 22.93 131.41 9 22 50 1335.2 18.94 35.42
 124.15 16 9 48 5866.34 13.75 274.83 22.95 131.41 17 47 34 5266.3 18.95 268.91
 55.85 8 50 35 1935.15 13.73 41.34 22.93 131.41 9 22 50 1335.2 18.94 35.42
 124.15 16 9 48 5866.34 13.75 274.83 22.95 131.41 17 47 34 5266.3 18.95 268.91

MID-COURSE EXECUTION ACCURACY
 SGT 3987.9 SGR 2112.4 SG3 217.7
 RRT .9562 RRF -.9886 RTF -.9875
 SGB 4512.8 R23 -.0887 R13 -.9951
 SGI 4479.1 SG2 550.5 TMA 27.31

ORBIT DETERMINATION ACCURACY
 ST 3167.8 SR 1945.7 SS 2087.2
 CRT .9940 CRS .9991 CST .9977
 LSA 4259.0 MSA 194.4 SSA 2.8
 EL1 3713.2 EL2 182.3 ALF 31.49

DIFFERENTIAL CORRECTIONS
 TOE 5.0552 TRA-3.0260 TC3 -.1265 BAU .1700
 RDE 3.1702 RRA-1.0200 RC3 .0674 FAU-.00511
 FDE-3.5690 FRA 1.5275 FC3 .0499 BSP 14393
 BDE 5.9671 BRA 3.1933 BC3 .1434 FSP -671

LAUNCH DATE APR 13 1967

FLIGHT TIME 164.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC
 RL 150.00 LAL -.00 LOL 202.39 VL 27.372 GAL 7.22 AZL 114.08 MCA 172.73 SMA 130.07 ECC .19722 INC24.0786 V1 29.706
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.756 GAP -6.23 AZP 66.09 TAL 147.65 TAP 320.38 RCA 104.41 APO 155.72 V2 34.920
 RC 54.330 GL -62.66 GP 74.70 ZAL 76.33 ZAP 74.71 ETS 258.96 ZAE 90.70 ETE 31.97 ZAC 70.32 ETC 333.14 CLP 2.65

PLANETOCENTRIC CONIC
 C3 155.541 VHL 12.472 DLA -44.91 RAL 121.36 RAD 6570.7 VEL 16.639 PTH 2.89 VMP 14.730 DPA 58.99 RAP 247.81 ECC 3.5598
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 53.56 8 15 3 2071.62 8.86 49.09 22.34 134.21 8 49 35 1471.6 14.38 43.59
 126.44 15 52 12 667.35 8.88 300.37 22.36 134.21 16 3 19 67.4 14.40 294.88
 53.56 8 15 3 2071.62 8.86 49.09 22.34 134.21 8 49 35 1471.6 14.38 43.59
 126.44 15 52 12 667.35 8.88 300.37 22.36 134.21 16 3 19 67.4 14.40 294.88
 53.56 8 15 3 2071.62 8.86 49.09 22.34 134.21 8 49 35 1471.6 14.38 43.59
 126.44 15 52 12 667.35 8.88 300.37 22.36 134.21 16 3 19 67.4 14.40 294.88

MID-COURSE EXECUTION ACCURACY
 SGT 4635.6 SGR 886.0 SG3 152.8
 RRT .5537 RRF -.6117 RTF -.9971
 SGB 4719.5 R23 -.0546 R13 -.9982
 SGI 4662.1 SG2 733.6 TMA 6.19

ORBIT DETERMINATION ACCURACY
 ST 4061.2 SR 803.5 SS 2039.8
 CRT .9523 CRS .9605 CST .9996
 LSA 4608.8 MSA 243.0 SSA 1.6
 EL1 4132.9 EL2 241.0 ALF 10.71

DIFFERENTIAL CORRECTIONS
 TOE 8.7142 TRA-3.5082 TC3 -.2131 BAU .4510
 RDE 1.7317 RRA .5808 RC3 .0403 FAU-.01569
 FDE-3.4542 FRA 1.1544 FC3 .0873 BSP 14908
 BDE 8.8846 BRA 3.5560 BC3 .2169 FSP -467

LAUNCH DATE APR 13 1967

FLIGHT TIME 166.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 424.567

RL 150.00 LAL -1.00 LOL 202.39 VL 27.407 GAL 7.17 AZL 129.70 MCA 175.52 SMA 130.31 ECC .19504 INC39.6953 V1 29.706
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.793 GAP -5.81 AZP 50.39 TAL 147.37 TAP 322.89 RCA 104.90 APO 155.73 V2 34.932
 RC 56.016 GL -61.95 GP 74.60 ZAL 81.44 ZAP 81.31 ETS 201.02 ZAE 77.30 ETE 334.04 ZAC 60.70 ETC 269.76 CLP 55.32

PLANETOCENTRIC CONIC

C3 387.309 VHL 19.680 DLA -41.93 RAL 114.42 RAD 6572.1 VEL 22.552 PTH 3.26 VMP 23.894 DPA 50.95 RAP 268.48 ECC 7.3741
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.69 8 3 57 2152.48 2.73 50.56 21.36 131.85 8 39 49 1552.5 8.04 44.96
 122.31 15 7 58 836.82 2.74 309.77 21.38 131.85 15 21 55 236.8 8.06 304.18
 57.69 8 3 57 2152.48 2.73 50.56 21.36 131.85 8 39 49 1552.5 8.04 44.96
 122.31 15 7 58 836.82 2.74 309.77 21.38 131.85 15 21 55 236.8 8.06 304.18
 57.69 8 3 57 2152.48 2.73 50.56 21.36 131.85 8 39 49 1552.5 8.04 44.96
 122.31 15 7 58 836.82 2.74 309.77 21.38 131.85 15 21 55 236.8 8.06 304.18

DIFFERENTIAL CORRECTIONS

TDE10.8884 TRA-1.4119 TC3 -.1860 BAU 1.6547
 RDE-9.6494 RRA 4.3868 RC3 .2598 FAU-.03591
 FDE-3.6228 FRA 1.0430 FC3 .0803 BSP 14742
 BDE14.5488 BRA 4.6084 BC3 .3196 FSP -306

MID-COURSE EXECUTION ACCURACY

SGT 3300.0 SGR 3447.4 SG3 101.5
 RRT -.9320 RRF .9848 RTF -.9807
 SGB 4772.3 R23 -.0027 R13 1.0000
 SG1 4690.6 SG2 879.3 TMA 133.66

ORBIT DETERMINATION ACCURACY

ST 3174.4 SR 2856.2 SS 2192.1
 CRT -.9917 CRS -.9978 CST .9980
 LSA 4792.2 MSA 274.2 SSA .5
 EL1 4261.4 EL2 273.9 ALF 138.05

LAUNCH DATE APR 13 1967

FLIGHT TIME 168.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 429.351

RL 150.00 LAL -1.00 LOL 202.39 VL 27.439 GAL 7.37 AZL 174.59 MCA 177.23 SMA 130.54 ECC .19568 INC4.5831 V1 29.706
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.827 GAP -5.72 AZP 5.41 TAL 146.43 TAP 323.66 RCA 104.99 APO 156.08 V2 34.945
 RC 57.772 GL -44.78 GP 50.93 ZAL 85.49 ZAP 85.77 ETS 180.68 ZAE 55.41 ETE 320.86 ZAC 40.09 ETC 234.53 CLP 83.28

PLANETOCENTRIC CONIC

C31479.313 VHL 38.462 DLA -23.49 RAL 111.86 RAD 6573.2 VEL 40.007 PTH 3.56 VMP 48.077 DPA 26.64 RAP 283.66 ECC25.3458
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 1 15 2057.94 -15.49 31.80 16.58 114.01 9 35 33 1457.9 -12.11 24.75
 90.00 13 50 14 1093.90 14.30 336.66 29.85 114.70 14 8 28 493.9 17.51 329.46
 100.00 10 4 3 1855.25 -18.00 15.73 15.40 114.28 10 34 58 1255.2 -14.57 8.62
 100.00 15 30 8 771.83 16.80 314.17 31.06 115.10 15 42 59 171.8 20.04 306.87
 110.00 10 35 3 1758.01 -23.94 5.44 12.48 115.16 11 4 21 1158.0 -20.35 358.13
 110.00 17 15 36 5729.87 22.69 270.02 34.07 116.28 18 51 6 5129.9 26.03 262.45

DIFFERENTIAL CORRECTIONS

TDE 8.8827 TRA .6069 TC3 -.1322 BAU 6.2854
 RO-17.5571 RRA 8.0016 RC3 .2890 FAU-.11744
 FDE-4.3447 FRA 1.8406 FC3 .0687 BSP 11042
 BDE19.6762 BRA 8.0246 BC3 .3178 FSP -215

MID-COURSE EXECUTION ACCURACY

SGT 1671.6 SGR 3670.6 SG3 76.7
 RRT -.9116 RRF .9997 RTF -.9196
 SGB 4033.3 R23 -.0475 R13 .9987
 SG1 3983.2 SG2 633.4 TMA 113.17

ORBIT DETERMINATION ACCURACY

ST 1323.9 SR 2645.2 SS 2715.0
 CRT -.9855 CRS -.9999 CST .9872
 LSA 4009.8 MSA 206.5 SSA 1.7
 EL1 2051.2 EL2 201.1 ALF 116.39

LAUNCH DATE APR 13 1967

FLIGHT TIME 170.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 440.187

RL 150.00 LAL -1.00 LOL 202.39 VL 27.467 GAL 6.53 AZL 47.95 MCA 183.95 SMA 130.74 ECC .18531 INC42.0535 V1 29.706
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.860 GAP -4.18 AZP 131.99 TAL 148.69 TAP 332.64 RCA 106.51 APO 154.96 V2 34.957
 RC 59.590 GL 61.81 GP -72.58 ZAL 82.71 ZAP 84.72 ETS 151.67 ZAE 87.16 ETE 27.56 ZAC 87.17 ETC 90.41 CLP 72.12

PLANETOCENTRIC CONIC

C3 430.154 VHL 20.740 DLA 73.09 RAL 181.76 RAD 6572.2 VEL 23.483 PTH 3.29 VMP 27.549 DPA -82.97 RAP 97.79 ECC 8.0792
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 19.29 22 41 14 5034.11 -3.27 248.00 90.77 16.94 24 5 8 4434.1 -10.91 246.06
 160.71 9 27 54 3263.32 -3.26 94.26 90.75 16.93 10 22 18 2663.3 -10.91 92.31
 19.29 22 41 14 5034.11 -3.27 248.00 90.77 16.94 24 5 8 4434.1 -10.91 246.06
 160.71 9 27 54 3263.32 -3.26 94.26 90.75 16.93 10 22 18 2663.3 -10.91 92.31
 19.29 22 41 14 5034.11 -3.27 248.00 90.77 16.94 24 5 8 4434.1 -10.91 246.06
 160.71 9 27 54 3263.32 -3.26 94.26 90.75 16.93 10 22 18 2663.3 -10.91 92.31

DIFFERENTIAL CORRECTIONS

TDE -.5211 TRA-3.4311 TC3 -.2334 BAU 1.9738
 RDE 2.6090 RRA-3.6319 RC3 -.2517 FAU-.03602
 FDE -.3796 FRA 1.0981 FC3 .0725 BSP 14787
 BDE 2.6606 BRA 4.9963 BC3 .3432 FSP -285

MID-COURSE EXECUTION ACCURACY

SGT 3403.1 SGR 3675.9 SG3 94.2
 RRT .9714 RRF -.9948 RTF -.9904
 SGB 5009.3 R23 -.0092 R13 -.9999
 SG1 4973.6 SG2 597.2 TMA 47.27

ORBIT DETERMINATION ACCURACY

ST 988.8 SR 1261.6 SS 785.9
 CRT .7288 CRS .9597 CST .8919
 LSA 1691.7 MSA 570.3 SSA .8
 EL1 1498.1 EL2 570.1 ALF 54.33

LAUNCH DATE APR 13 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 446.104

RL 150.00 LAL -1.00 LOL 202.39 VL 27.492 GAL 6.55 AZL 67.60 MCA 186.62 SMA 130.91 ECC .18435 INC22.5997 V1 29.706
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.889 GAP -3.83 AZP 112.27 TAL 148.32 TAP 334.94 RCA 106.78 APO 155.05 V2 34.970
 RC 61.464 GL 63.55 GP -81.42 ZAL 76.84 ZAP 81.68 ETS 89.14 ZAE 100.17 ETE 328.75 ZAC 97.86 ETC 33.18 CLP 14.16

PLANETOCENTRIC CONIC

C3 135.130 VHL 11.625 DLA 68.09 RAL 197.31 RAD 6570.5 VEL 16.014 PTH 2.82 VMP 15.880 DPA -69.36 RAP 118.20 ECC 3.2239
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 25.08 23 55 35 4858.00 -13.32 241.18 101.86 22.55 25 16 33 4258.0 -20.68 238.33
 154.92 10 17 37 3117.44 -13.31 93.49 101.84 22.55 11 9 34 2517.4 -20.67 90.64
 25.08 23 55 35 4858.00 -13.32 241.18 101.86 22.55 25 16 33 4258.0 -20.68 238.33
 154.92 10 17 37 3117.44 -13.31 93.49 101.84 22.55 11 9 34 2517.4 -20.67 90.64
 25.08 23 55 35 4858.00 -13.32 241.18 101.86 22.55 25 16 33 4258.0 -20.68 238.33
 154.92 10 17 37 3117.44 -13.31 93.49 101.84 22.55 11 9 34 2517.4 -20.67 90.64

DIFFERENTIAL CORRECTIONS

TDE 3.8948 TRA-3.5274 TC3 -.2097 BAU .3788
 RDE .1577 RRA 1.0698 RC3 -.0021 FAU-.00748
 FDE-1.1752 FRA 1.1680 FC3 .0479 BSP 16396
 BDE 3.8980 BRA 3.6861 BC3 .2097 FSP -454

MID-COURSE EXECUTION ACCURACY

SGT 5062.8 SGR 1415.2 SG3 142.7
 RRT -.8977 RRF .9131 RTF -.9991
 SGB 5256.8 R23 -.0074 R13 .9997
 SG1 5222.0 SG2 604.4 TMA 165.72

ORBIT DETERMINATION ACCURACY

ST 2374.7 SR 431.0 SS 1017.3
 CRT -.4332 CRS -.4731 CST .9990
 LSA 2590.2 MSA 388.3 SSA 1.4
 EL1 2382.2 EL2 387.2 ALF 175.38

LAUNCH DATE APR 13 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 4 1967

DISTANCE 452.389

HELIOCENTRIC CONIC
 RL 150.00 LAL -1.00 LOL 202.39 VL 27.514 GAL 6.52 AZL 75.56 MCA 189.62 SMA 131.07 ECC .18300 INC14.4351 V1 29.706
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.917 GAP -3.39 AZP 104.24 TAL 148.16 TAP 337.78 RCA 107.08 APO 155.05 V2 34.983
 RC 63.388 GL 58.55 GP -77.63 ZAL 70.74 ZAP 79.59 ETS 54.06 ZAE 108.20 ETE 296.83 ZAC 103.10 ETC 3.95 CLP -32.57

PLANETOCENTRIC CONIC
 C3 63.804 VHL 7.988 OLA 61.81 RAL 193.68 RAD 6569.2 VEL 13.607 PTH 2.49 VHP 11.105 DPA -61.22 RAP 124.13 ECC 2.0501
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 32.45 0 2 5 4667.97 -22.30 230.47 91.00 30.70 1 19 53 4068.0 -29.11 226.23
 147.55 9 46 8 2980.63 -22.29 91.10 90.98 30.70 10 35 48 2380.6 -29.10 86.85
 32.45 0 2 5 4667.97 -22.30 230.47 91.00 30.70 1 19 53 4068.0 -29.11 226.23
 147.55 9 46 8 2980.63 -22.29 91.10 90.98 30.70 10 35 48 2380.6 -29.10 86.85
 32.45 0 2 5 4667.97 -22.30 230.47 91.00 30.70 1 19 53 4068.0 -29.11 226.23
 147.55 9 46 8 2980.63 -22.29 91.10 90.98 30.70 10 35 48 2380.6 -29.10 86.85

MID-COURSE EXECUTION ACCURACY
 SGT 3437.6 SGR 4036.8 SG3 218.9
 RRT -.9637 RRF .9942 RTF -.9854
 SGB 5302.1 R23 -.0109 R13 .9994
 SG1 5255.0 SG2 705.3 TMA 130.25

ORBIT DETERMINATION ACCURACY
 ST 1817.9 SR 1466.8 SS 1038.5
 CRT -.9184 CRS -.9783 CST .9804
 LSA 2514.2 MSA 462.4 SSA 2.3
 EL1 2290.0 EL2 460.8 ALF 141.62

DIFFERENTIAL CORRECTIONS
 TOE 2.1883 TRA-2.0128 TC3 -.0644 BAU .1308
 ROE-1.2134 RRA 2.5916 RC3 -.1392 FAU .00638
 FDE-1.1275 FRA 1.5788 FC3 -.0866 BSP 16744
 BDE 2.5022 BRA 3.2814 BC3 .1534 FSP -704

LAUNCH DATE APR 13 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 6 1967

DISTANCE 458.772

HELIOCENTRIC CONIC
 RL 150.00 LAL -1.00 LOL 202.39 VL 27.532 GAL 6.49 AZL 79.73 MCA 192.72 SMA 131.20 ECC .18174 INC10.2699 V1 29.706
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.943 GAP -2.93 AZP 100.02 TAL 148.05 TAP 340.76 RCA 107.36 APO 155.04 V2 34.996
 RC 65.357 GL 51.91 GP -72.38 ZAL 64.99 ZAP 78.66 ETS 39.32 ZAE 114.11 ETE 284.89 ZAC 106.58 ETC 354.99 CLP -49.49

PLANETOCENTRIC CONIC
 C3 38.404 VHL 6.197 OLA 55.41 RAL 188.08 RAD 6568.5 VEL 12.640 PTH 2.29 VHP 8.649 DPA -55.17 RAP 127.43 ECC 1.6320
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 40.16 23 55 52 4503.18 -27.48 217.81 77.07 39.79 25 10 55 3903.2 -33.49 212.10
 139.84 9 3 42 2893.01 -27.47 88.17 77.06 39.78 9 51 55 2293.0 -33.48 82.46
 40.16 23 55 52 4503.18 -27.48 217.81 77.07 39.79 25 10 55 3903.2 -33.49 212.10
 139.84 9 3 42 2893.01 -27.47 88.17 77.06 39.78 9 51 55 2293.0 -33.48 82.46
 40.16 23 55 52 4503.18 -27.48 217.81 77.07 39.79 25 10 55 3903.2 -33.49 212.10
 139.84 9 3 42 2893.01 -27.47 88.17 77.06 39.78 9 51 55 2293.0 -33.48 82.46

MID-COURSE EXECUTION ACCURACY
 SGT 2396.7 SGR 4705.0 SG3 316.2
 RRT -.9480 RRF .9977 RTF -.9629
 SGB 5280.3 R23 -.0108 R13 .9991
 SG1 5235.6 SG2 685.2 TMA 116.26

ORBIT DETERMINATION ACCURACY
 ST 1319.5 SR 1681.3 SS 1076.1
 CRT -.8979 CRS -.9903 CST .9503
 LSA 2346.4 MSA 469.1 SSA 3.3
 EL1 2085.3 EL2 468.2 ALF 127.38

DIFFERENTIAL CORRECTIONS
 TOE 1.2545 TRA-1.2877 TC3 -.0235 BAU .2391
 ROE-1.0538 RRA 2.8042 RC3 -.4651 FAU .01804
 FDE-1.0700 FRA 2.1412 FC3 -.4067 BSP 16731
 BDE 1.6384 BRA 3.0857 BC3 .4657 FSP -1019

LAUNCH DATE APR 13 1967

FLIGHT TIME 178.00

ARRIVAL DATE OCT 8 1967

DISTANCE 465.184

HELIOCENTRIC CONIC
 RL 150.00 LAL -1.00 LOL 202.39 VL 27.548 GAL 6.46 AZL 82.28 MCA 195.86 SMA 131.31 ECC .18068 INC 7.7217 V1 29.706
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.966 GAP -2.46 AZP 97.43 TAL 147.95 TAP 343.80 RCA 107.59 APO 155.04 V2 35.009
 RC 67.365 GL 45.09 GP -67.76 ZAL 59.85 ZAP 78.83 ETS 29.91 ZAE 118.79 ETE 277.74 ZAC 109.39 ETC 351.11 CLP -59.21

PLANETOCENTRIC CONIC
 C3 26.973 VHL 5.194 OLA 49.12 RAL 183.19 RAD 6568.1 VEL 12.180 PTH 2.19 VHP 7.183 DPA -50.17 RAP 129.29 ECC 1.4439
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 48.02 0 4 11 4360.40 -29.17 204.54 64.31 48.55 1 16 52 3760.4 -34.28 197.71
 131.98 8 20 18 2858.17 -29.16 86.44 64.29 48.54 9 7 57 2258.2 -34.26 79.60
 48.02 0 4 11 4360.40 -29.17 204.54 64.31 48.55 1 16 52 3760.4 -34.28 197.71
 131.98 8 20 18 2858.17 -29.16 86.44 64.29 48.54 9 7 57 2258.2 -34.26 79.60
 48.02 0 4 11 4360.40 -29.17 204.54 64.31 48.55 1 16 52 3760.4 -34.28 197.71
 131.98 8 20 18 2858.17 -29.16 86.44 64.29 48.54 9 7 57 2258.2 -34.26 79.60

MID-COURSE EXECUTION ACCURACY
 SGT 1679.0 SGR 4950.0 SG3 428.2
 RRT -.9127 RRF .9984 RTF -.9251
 SGB 5227.0 R23 -.0059 R13 .9989
 SG1 5185.8 SG2 654.8 TMA 107.49

ORBIT DETERMINATION ACCURACY
 ST 985.5 SR 1718.8 SS 1149.2
 CRT -.8577 CRS -.9929 CST .9128
 LSA 2245.5 MSA 451.5 SSA 4.3
 EL1 1929.2 EL2 451.5 ALF 117.84

DIFFERENTIAL CORRECTIONS
 TOE .8052 TRA -.8442 TC3 -.0677 BAU .2987
 ROE -.8576 RRA 2.8371 RC3 -.8257 FAU .02912
 FDE-1.0844 FRA 2.7940 FC3 -.9347 BSP 16485
 BDE 1.1764 BRA 2.9600 BC3 .8285 FSP -1373

LAUNCH DATE APR 13 1967

FLIGHT TIME 180.00

ARRIVAL DATE OCT 10 1967

DISTANCE 471.602

HELIOCENTRIC CONIC
 RL 150.00 LAL -1.00 LOL 202.39 VL 27.561 GAL 6.44 AZL 84.00 MCA 199.02 SMA 131.41 ECC .17986 INC 5.9994 V1 29.706
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.988 GAP -1.99 AZP 95.67 TAL 147.84 TAP 346.86 RCA 107.77 APO 155.04 V2 35.023
 RC 69.409 GL 38.61 GP -63.74 ZAL 55.44 ZAP 79.98 ETS 22.42 ZAE 122.62 ETE 271.81 ZAC 111.95 ETC 348.82 CLP -66.84

PLANETOCENTRIC CONIC
 C3 21.038 VHL 4.587 OLA 43.18 RAL 179.27 RAD 6567.9 VEL 11.934 PTH 2.12 VHP 6.222 DPA -45.80 RAP 130.20 ECC 1.3462
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 55.93 0 17 29 4225.67 -28.54 191.33 53.87 56.11 1 27 54 3625.7 -32.77 183.85
 124.07 7 35 45 2871.33 -28.52 87.11 53.86 56.10 8 23 37 2271.3 -32.76 79.63
 55.93 0 17 29 4225.67 -28.54 191.33 53.87 56.11 1 27 54 3625.7 -32.77 183.85
 124.07 7 35 45 2871.33 -28.52 87.11 53.86 56.10 8 23 37 2271.3 -32.76 79.63
 55.93 0 17 29 4225.67 -28.54 191.33 53.87 56.11 1 27 54 3625.7 -32.77 183.85
 124.07 7 35 45 2871.33 -28.52 87.11 53.86 56.10 8 23 37 2271.3 -32.76 79.63

MID-COURSE EXECUTION ACCURACY
 SGT 1089.4 SGR 5030.9 SG3 547.9
 RRT -.8117 RRF .9984 RTF -.8249
 SGB 5147.5 R23 .0028 R13 .9987
 SG1 5109.2 SG2 626.5 TMA 100.12

ORBIT DETERMINATION ACCURACY
 ST 733.4 SR 1725.5 SS 1250.2
 CRT -.7952 CRS -.9934 CST .8593
 LSA 2213.8 MSA 421.3 SSA 5.3
 EL1 1827.3 EL2 420.0 ALF 109.76

DIFFERENTIAL CORRECTIONS
 TOE .5527 TRA -.4819 TC3 -.1850 BAU .3328
 ROE -.7515 RRA 2.8167 RC3-1.1687 FAU .04015
 FDE-1.1851 FRA 3.4893 FC3-1.6523 BSP 16275
 BDE .9328 BRA 2.8576 BC3 1.1833 FSP -1764

LAUNCH DATE APR 13 1967

FLIGHT TIME 182.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 478.014

RL 150.00 LAL -1.00 LOL 202.39 VL 27.572 GAL 6.44 AZL 85.25 MCA 202.19 SMA 131.48 ECC .17929 INC 4.7526 VI 29.706
 RP 108.16 LAP -1.79 LOP 44.51 VP 38.008 GAP -1.53 AZP 94.40 TAL 147.73 TAP 349.92 RCA 107.91 APO 155.06 V2 35.036
 RC 71.485 GL 32.69 GP -60.15 ZAL 51.78 ZAP 81.97 ETS 15.90 ZAE 125.78 ETE 266.03 ZAC 114.47 ETC 347.16 CLP -73.70

PLANETOCENTRIC CONIC

C3 17.667 VML 4.203 DLA 37.70 RAL 176.17 RAD 6567.7 VEL 11.792 PTH 2.08 VMP 5.554 DPA -41.83 RAP 130.45 ECC 1.2908
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.99 0 41 34 4082.00 -26.61 177.81 45.78 62.24 1 49 36 3482.0 -30.10 170.04
 116.01 6 46 56 2932.46 -26.60 91.01 45.77 62.23 7 35 48 2332.5 -30.09 83.25
 63.99 0 41 34 4082.00 -26.61 177.81 45.78 62.24 1 49 36 3482.0 -30.10 170.04
 116.01 6 46 56 2932.46 -26.60 91.01 45.77 62.23 7 35 48 2332.5 -30.09 83.25
 63.99 0 41 34 4082.00 -26.61 177.81 45.78 62.24 1 49 36 3482.0 -30.10 170.04
 116.01 6 46 56 2932.46 -26.60 91.01 45.77 62.23 7 35 48 2332.5 -30.09 83.25

DIFFERENTIAL CORRECTIONS

TDE .3793 TRA -1.1454 TC3 -.3726 BAU .3538
 RDE -.7046 RRA 2.7699 RC3-1.4509 FAU .05072
 FDE-1.3585 FRA 4.1981 FC3-2.4855 BSP 16004
 BDE .8002 BRA 2.7737 BC3 1.4980 FSP -2165

MID-COURSE EXECUTION ACCURACY

SGT 654.3 SGR 5018.5 SG3 669.9
 RRT -.3990 RRF .9984 RTF -.4169
 SGB 5060.9 R23 .0140 R13 .9985
 SG1 5025.3 SG2 599.2 TMA 93.02

ORBIT DETERMINATION ACCURACY

ST 522.5 SR 1724.4 SS 1369.2
 CRT -.6701 CRS -.9933 CST .7511
 LSA 2229.7 MSA 386.9 SSA 6.3
 EL1 1761.3 EL2 379.7 ALF 102.05

LAUNCH DATE APR 13 1967

FLIGHT TIME 184.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 484.416

RL 150.00 LAL -1.00 LOL 202.39 VL 27.580 GAL 6.45 AZL 86.20 MCA 205.38 SMA 131.54 ECC .17898 INC 3.8040 VI 29.706
 RP 108.12 LAP -1.63 LOP 47.72 VP 38.026 GAP -1.06 AZP 93.44 TAL 147.60 TAP 352.98 RCA 108.00 APO 155.09 V2 35.049
 RC 73.590 GL 27.37 GP -56.86 ZAL 48.80 ZAP 84.68 ETS 10.05 ZAE 128.36 ETE 260.07 ZAC 117.01 ETC 345.81 CLP -80.24

PLANETOCENTRIC CONIC

C3 15.647 VML 3.956 DLA 32.75 RAL 173.70 RAD 6567.6 VEL 11.706 PTH 2.06 VMP 5.073 DPA -38.11 RAP 130.22 ECC 1.2575
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.81 1 22 22 3901.46 -24.09 162.23 39.68 67.11 2 27 24 3301.5 -26.98 154.37
 107.19 5 46 26 3057.34 -24.08 99.55 39.67 67.10 6 37 23 2457.3 -26.97 91.70
 72.81 1 22 22 3901.46 -24.09 162.23 39.68 67.11 2 27 24 3301.5 -26.98 154.37
 107.19 5 46 26 3057.34 -24.08 99.55 39.67 67.10 6 37 23 2457.3 -26.97 91.70
 110.00 7 18 35 2773.60 -30.51 80.20 42.24 73.77 8 4 49 2173.6 -32.42 71.51
 110.00 4 49 23 3233.19 -17.98 109.90 36.45 60.43 5 43 16 2633.2 -21.78 102.83

DIFFERENTIAL CORRECTIONS

TDE .2370 TRA .1838 TC3 -.6170 BAU .3690
 RDE -.6882 RRA 2.6999 RC3-1.6525 FAU .06051
 FDE-1.5877 FRA 4.8889 FC3-3.3479 BSP 15714
 BDE .7279 BRA 2.7062 BC3 1.7639 FSP -2558

MID-COURSE EXECUTION ACCURACY

SGT 675.5 SGR 4932.0 SG3 788.1
 RRT .5306 RRF .9982 RTF .5142
 SGB 4978.1 R23 .0267 R13 .9980
 SG1 4945.2 SG2 571.0 TMA 85.79

ORBIT DETERMINATION ACCURACY

ST 356.5 SR 1715.0 SS 1497.8
 CRT -.3421 CRS -.9930 CST .4502
 LSA 2277.4 MSA 353.6 SSA 7.1
 EL1 1719.5 EL2 334.1 ALF 94.23

LAUNCH DATE APR 13 1967

FLIGHT TIME 186.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 490.804

RL 150.00 LAL -1.00 LOL 202.39 VL 27.586 GAL 6.47 AZL 86.95 MCA 208.57 SMA 131.59 ECC .17892 INC 3.0543 VI 29.706
 RP 108.08 LAP -1.46 LOP 50.93 VP 38.043 GAP -1.60 AZP 92.68 TAL 147.45 TAP 356.02 RCA 108.04 APO 155.13 V2 35.062
 RC 75.721 GL 22.63 GP -53.75 ZAL 46.42 ZAP 87.98 ETS 4.76 ZAE 130.40 ETE 253.82 ZAC 119.62 ETC 344.72 CLP -86.59

PLANETOCENTRIC CONIC

C3 14.410 VML 3.796 DLA 28.32 RAL 171.72 RAD 6567.6 VEL 11.653 PTH 2.05 VMP 4.724 DPA -34.56 RAP 129.66 ECC 1.2372
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 28 44 3453.74 -21.54 127.92 35.17 71.16 4 26 18 2853.7 -23.92 120.05
 90.00 3 24 17 3468.19 -21.22 128.86 35.06 70.80 4 22 5 2868.2 -23.65 121.03
 100.00 6 9 13 2936.10 -27.54 91.67 37.00 77.90 6 58 9 2336.1 -28.93 83.15
 100.00 3 26 29 3461.06 -15.47 125.82 32.54 64.10 4 24 10 2861.1 -18.83 118.64
 110.00 8 25 42 2508.91 -33.86 60.35 38.10 85.03 9 7 31 1908.9 -34.18 51.12
 110.00 3 26 30 3461.01 -9.90 122.60 29.33 57.11 4 24 11 2861.0 -14.17 116.10

DIFFERENTIAL CORRECTIONS

TDE .1044 TRA .5096 TC3 -.8999 BAU .3829
 RDE -.6858 RRA 2.6060 RC3-1.7723 FAU .06931
 FDE-1.8577 FRA 5.5274 FC3-4.1643 BSP 15478
 BDE .6937 BRA 2.6354 BC3 1.9877 FSP -2932

MID-COURSE EXECUTION ACCURACY

SGT 1120.3 SGR 4779.6 SG3 896.5
 RRT .8703 RRF .9981 RTF .8601
 SGB 4909.2 R23 .0401 R13 .9974
 SG1 4879.3 SG2 540.5 TMA 78.33

ORBIT DETERMINATION ACCURACY

ST 306.6 SR 1694.1 SS 1630.1
 CRT .3639 CRS -.9927 CST -.2492
 LSA 2348.6 MSA 323.9 SSA 7.9
 EL1 1697.8 EL2 284.9 ALF 86.12

LAUNCH DATE APR 13 1967

FLIGHT TIME 188.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 497.176

RL 150.00 LAL -1.00 LOL 202.39 VL 27.590 GAL 6.50 AZL 87.56 MCA 211.77 SMA 131.61 ECC .17912 INC 2.4436 VI 29.706
 RP 108.04 LAP -1.29 LOP 54.14 VP 38.058 GAP -1.14 AZP 92.08 TAL 147.28 TAP 359.05 RCA 108.04 APO 155.19 V2 35.075
 RC 77.874 GL 18.43 GP -50.75 ZAL 44.54 ZAP 91.74 ETS .00 ZAE 131.91 ETE 247.35 ZAC 122.25 ETC 343.89 CLP -92.75

PLANETOCENTRIC CONIC

C3 13.662 VML 3.696 DLA 24.36 RAL 170.13 RAD 6567.5 VEL 11.621 PTH 2.04 VMP 4.470 DPA -31.11 RAP 128.91 ECC 1.2248
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 31 10 3014.28 -27.91 97.47 33.58 84.99 6 21 24 2414.3 -28.31 88.83
 90.00 1 9 7 3884.20 -9.97 154.18 28.23 63.36 2 13 51 3284.2 -13.47 147.25
 100.00 7 13 16 2685.11 -29.78 73.39 33.72 87.24 7 58 1 2085.1 -29.84 64.59
 100.00 2 9 42 3688.61 -8.32 138.92 27.35 61.18 3 11 11 3088.6 -12.10 132.18
 110.00 9 2 0 2344.90 -34.10 47.36 33.73 92.58 9 41 5 1744.9 -33.36 38.40
 110.00 2 37 27 3601.57 -4.63 130.07 25.08 56.09 3 37 29 3001.6 -9.05 123.77

DIFFERENTIAL CORRECTIONS

TDE -.0285 TRA .8308 TC3-1.2018 BAU .3970
 RDE -.6849 RRA 2.4914 RC3-1.8110 FAU .07665
 FDE-2.1469 FRA 6.0866 FC3-4.8572 BSP 15298
 BDE .6855 BRA 2.6262 BC3 2.1735 FSP -3262

MID-COURSE EXECUTION ACCURACY

SGT 1670.2 SGR 4570.5 SG3 989.8
 RRT .9470 RRF .9978 RTF .9396
 SGB 4866.2 R23 .0531 R13 .9965
 SG1 4839.7 SG2 506.9 TMA 70.69

ORBIT DETERMINATION ACCURACY

ST 427.2 SR 1657.1 SS 1759.0
 CRT .8295 CRS -.9923 CST -.7542
 LSA 2435.9 MSA 298.7 SSA 8.6
 EL1 1695.3 EL2 233.2 ALF 77.69

LAUNCH DATE APR 13 1967

FLIGHT TIME 190.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC
 RL 150.00 LAL -.00 LOL 202.39 VL 27.592 GAL 6.55 AZL 88.07 MCA 214.97 SMA 131.63 ECC .17958 INC 1.9336 V1 29.706
 RP 108.00 LAP -1.11 LOP 57.35 VP 38.071 GAP .31 AZP 91.58 TAL 147.08 TAP 2.06 RCA 107.99 APO 155.27 V2 35.088
 RC 80.046 GL 14.72 GP -47.81 ZAL 43.05 ZAP 95.83 ETS 355.75 ZAE 132.92 ETE 240.79 ZAC 124.88 ETC 343.38 CLP -98.71

DISTANCE 503.530

PLANETOCENTRIC CONIC
 C3 13.243 VML 3.639 DLA 20.83 RAL 168.83 RAD 6567.5 VEL 11.603 PTH 2.03 VMP 4.293 DPA -27.75 RAP 128.05 ECC 1.2179
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 14 53 2833.53 -28.28 84.27 30.59 91.59 7 2 6 2233.5 -27.76 75.65
 90.00 0 15 6 4051.37 -4.74 163.67 24.88 62.05 1 22 37 3451.4 -8.45 156.95
 100.00 7 50 5 2526.54 -29.71 61.62 30.51 93.43 8 32 12 1926.5 -28.92 52.90
 100.00 1 22 34 3833.60 -3.48 146.97 24.19 60.29 2 26 28 3233.6 -7.41 140.39
 110.00 9 27 44 2221.06 -33.30 37.99 30.09 98.19 10 4 45 1621.1 -31.81 29.08
 110.00 2 1 25 3711.84 -.42 135.83 22.28 55.82 3 3 17 3111.8 -4.90 129.61

MID-COURSE EXECUTION ACCURACY
 SGT 2232.3 SGR 4316.4 SG3 1063.6
 RRT .9717 RRF .9975 RTF .9657
 SGB 4859.5 R23 .0643 R13 .9955
 SGI 4836.6 SG2 470.7 TMA 63.04

ORBIT DETERMINATION ACCURACY
 ST 635.4 SR 1600.6 SS 1876.8
 CRT .9532 CRS -.9917 CST -.9067
 LSA 2531.9 MSA 278.0 SSA 9.2
 EL1 1712.8 EL2 179.6 ALF 69.03

DIFFERENTIAL CORRECTIONS
 TDE -.1653 TRA 1.1452 TC3-1.5015 BAU .4113
 RDE -.6769 RRA 2.3620 RC3-1.7729 FAU .08192
 FDE -2.4295 FRA 6.5496 FC3-5.3554 BSP 15157
 BDE .6968 BRA 2.6249 BC3 2.3233 FSP -3521

LAUNCH DATE APR 13 1967

FLIGHT TIME 192.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC
 RL 150.00 LAL -.00 LOL 202.39 VL 27.592 GAL 6.62 AZL 88.50 MCA 218.18 SMA 131.63 ECC .18028 INC 1.4988 V1 29.706
 RP 107.96 LAP -.93 LOP 60.56 VP 38.083 GAP .77 AZP 91.18 TAL 146.87 TAP 5.05 RCA 107.90 APO 155.36 V2 35.101
 RC 82.236 GL 11.44 GP -44.93 ZAL 41.87 ZAP 100.15 ETS 352.02 ZAE 133.43 ETE 234.32 ZAC 127.44 ETC 343.23 CLP -104.41

DISTANCE 509.865

PLANETOCENTRIC CONIC
 C3 13.057 VML 3.613 DLA 17.68 RAL 167.79 RAD 6567.5 VEL 11.595 PTH 2.03 VMP 4.178 DPA -24.49 RAP 127.18 ECC 1.2149
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 45 13 2702.00 -27.66 74.71 28.07 96.34 7 30 15 2102.0 -26.49 66.23
 90.00 23 32 31 4176.82 -.71 170.69 22.73 61.69 24 42 7 3576.8 -4.49 164.05
 100.00 8 16 53 2406.35 -28.90 52.78 27.90 98.01 8 57 0 1806.4 -27.49 44.26
 100.00 0 47 27 3947.69 .38 153.24 22.12 60.11 1 53 15 3347.7 -3.60 146.71
 110.00 9 47 48 2121.90 -32.09 30.51 27.23 102.46 10 23 10 1521.9 -30.04 21.89
 110.00 1 33 1 3804.91 3.14 140.69 20.40 55.94 2 36 26 3204.9 -1.35 134.48

MID-COURSE EXECUTION ACCURACY
 SGT 2775.6 SGR 4026.6 SG3 1114.7
 RRT .9822 RRF .9970 RTF .9769
 SGB 4890.5 R23 .0729 R13 .9944
 SGI 4871.4 SG2 431.4 TMA 55.59

ORBIT DETERMINATION ACCURACY
 ST 872.8 SR 1528.0 SS 1983.0
 CRT .9860 CRS -.9910 CST -.9549
 LSA 2638.2 MSA 261.9 SSA 9.7
 EL1 1755.1 EL2 126.9 ALF 60.44

DIFFERENTIAL CORRECTIONS
 TDE -.3077 TRA 1.4475 TC3-1.7846 BAU .4291
 RDE -.6640 RRA 2.2170 RC3-1.6907 FAU .08568
 FDE -2.7019 FRA 6.8841 FC3-5.6810 BSP 15222
 BDE .7318 BRA 2.6476 BC3 2.4583 FSP -3729

LAUNCH DATE APR 13 1967

FLIGHT TIME 194.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC
 RL 150.00 LAL -.00 LOL 202.39 VL 27.591 GAL 6.70 AZL 88.88 MCA 221.39 SMA 131.62 ECC .18125 INC 1.1216 V1 29.706
 RP 107.92 LAP -.74 LOP 63.78 VP 38.093 GAP 1.23 AZP 90.84 TAL 146.62 TAP 8.01 RCA 107.76 APO 155.47 V2 35.113
 RC 84.440 GL 8.54 GP -42.11 ZAL 40.93 ZAP 104.57 ETS 348.77 ZAE 133.49 ETE 228.14 ZAC 129.86 ETC 343.50 CLP -109.82

DISTANCE 516.181

PLANETOCENTRIC CONIC
 C3 13.050 VML 3.612 DLA 14.86 RAL 166.96 RAD 6567.5 VEL 11.595 PTH 2.03 VMP 4.114 DPA -21.34 RAP 126.37 ECC 1.2148
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 8 50 2598.01 -26.65 67.26 26.12 99.94 7 52 8 1998.0 -25.01 58.98
 90.00 23 2 13 4280.55 2.64 176.48 21.36 61.80 24 13 34 3680.6 -1.15 169.85
 100.00 8 38 12 2309.81 -27.78 45.82 25.88 101.50 9 18 42 1709.8 -25.91 37.52
 100.00 0 19 28 4043.99 3.64 158.53 20.80 60.31 1 26 52 3444.0 -.34 152.00
 110.00 10 4 22 2040.21 -30.73 24.53 25.06 105.76 10 38 22 1440.2 -28.27 16.20
 110.00 1 9 48 3886.36 6.23 144.97 19.20 56.32 2 14 34 3286.4 1.76 138.73

MID-COURSE EXECUTION ACCURACY
 SGT 3288.0 SGR 3717.3 SG3 1142.5
 RRT .9873 RRF .9963 RTF .9824
 SGB 4962.8 R23 .0773 R13 .9933
 SGI 4947.2 SG2 392.8 TMA 48.55

ORBIT DETERMINATION ACCURACY
 ST 1119.5 SR 1439.7 SS 2071.8
 CRT .9963 CRS -.9899 CST -.9742
 LSA 2748.8 MSA 249.8 SSA 10.2
 EL1 1822.1 EL2 76.5 ALF 52.16

DIFFERENTIAL CORRECTIONS
 TDE -.4548 TRA 1.7370 TC3-2.0374 BAU .4486
 RDE -.6419 RRA 2.0664 RC3-1.5684 FAU .08737
 FDE -2.9405 FRA 7.0957 FC3-5.7960 BSP 15408
 BDE .7867 BRA 2.6994 BC3 2.5712 FSP -3857

LAUNCH DATE APR 13 1967

FLIGHT TIME 196.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC
 RL 150.00 LAL -.00 LOL 202.39 VL 27.588 GAL 6.80 AZL 89.21 MCA 224.61 SMA 131.60 ECC .18246 INC .7894 V1 29.706
 RP 107.89 LAP -.55 LOP 66.99 VP 38.102 GAP 1.68 AZP 90.56 TAL 146.35 TAP 10.95 RCA 107.58 APO 155.61 V2 35.125
 RC 86.655 GL 5.97 GP -39.36 ZAL 40.15 ZAP 109.00 ETS 345.97 ZAE 133.15 ETE 222.38 ZAC 132.07 ETC 344.18 CLP -114.91

DISTANCE 522.475

PLANETOCENTRIC CONIC
 C3 13.185 VML 3.631 DLA 12.34 RAL 166.30 RAD 6567.5 VEL 11.601 PTH 2.03 VMP 4.096 DPA -18.33 RAP 125.66 ECC 1.2170
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 28 21 2512.75 -25.51 61.28 24.67 102.73 8 10 14 1912.7 -23.50 53.19
 90.00 22 37 27 4370.29 5.51 181.51 20.55 62.18 23 50 17 3770.3 1.74 174.85
 100.00 8 56 1 2230.02 -26.57 40.20 24.39 104.23 9 33 11 1630.0 -24.35 32.11
 100.00 23 52 28 4128.25 6.47 163.19 20.03 60.75 25 1 16 3528.3 2.52 156.62
 110.00 10 18 32 1971.82 -29.37 19.67 23.47 108.33 10 51 24 1371.8 -26.58 11.60
 110.00 0 50 22 3959.21 8.96 148.84 18.51 56.87 1 56 21 3359.2 4.54 142.54

MID-COURSE EXECUTION ACCURACY
 SGT 3761.7 SGR 3401.0 SG3 1147.9
 RRT .9900 RRF .9954 RTF .9855
 SGB 5071.2 R23 .0769 R13 .9924
 SGI 5058.6 SG2 357.1 TMA 42.09

ORBIT DETERMINATION ACCURACY
 ST 1366.1 SR 1339.3 SS 2141.8
 CRT .9995 CRS -.9884 CST -.9833
 LSA 2861.6 MSA 240.9 SSA 10.6
 EL1 1912.8 EL2 31.0 ALF 44.43

DIFFERENTIAL CORRECTIONS
 TDE -.6057 TRA 2.0121 TC3-2.2521 BAU .4697
 RDE -.6118 RRA 1.9149 RC3-1.4240 FAU .08719
 FDE -3.1364 FRA 7.1864 FC3-5.7250 BSP 15735
 BDE .8609 BRA 2.7776 BC3 2.6645 FSP -3912

LAUNCH DATE APR 13 1967

FLIGHT TIME 198.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 528.748

RL 150.00 LAL -.00 LOL 202.39 VL 27.583 GAL 6.91 AZL 89.51 MCA 227.82 SMA 131.56 ECC .18394 INC .4927 V1 29.706
 RP 107.85 LAP -.37 LOP 70.21 VP 38.109 GAP 2.14 AZP 90.33 TAL 146.05 TAP 13.87 RCA 107.36 APO 155.76 V2 35.137
 RC 88.880 GL 3.68 GP -36.73 ZAL 39.51 ZAP 113.37 ETS 343.59 ZAE 132.50 ETE 217.18 ZAC 134.02 ETC 345.25 CLP-119.66

PLANETOCENTRIC CONIC

C3 13.443 VHL 3.666 DLA 10.07 RAL 165.79 RAD 6567.5 VEL 11.612 PTH 2.03 VMP 4.116 OPA -15.48 RAP 125.11 ECC 1.2212
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 45 6 2441.42 -24.35 56.38 23.67 104.92 8 25 47 1841.4 -22.06 48.45
 90.00 22 16 39 4450.00 8.02 186.02 20.19 62.75 23 30 49 3850.0 4.30 179.31
 100.00 9 11 25 2163.01 -25.37 35.59 23.36 106.37 9 47 28 1563.0 -22.88 27.67
 100.00 23 33 1 4203.65 8.95 167.41 19.69 61.36 24 43 4 3603.6 5.06 160.78
 110.00 10 30 59 1914.04 -28.06 15.68 22.35 110.37 11 2 53 1314.0 -25.03 7.82
 110.00 0 33 52 4025.38 11.40 152.41 18.22 57.55 1 40 58 3425.4 7.04 146.03

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -1.591 TRA 2.2739 TC3-2.4238 BAU .4918 SGT 4194.2 SGR 3090.0 SG3 1133.6 ST 1606.9 SR 1231.3 SS 2192.4
 RDE -1.5747 RRA 1.7680 RC3-1.2700 FAU .08534 RRT .9913 RRF .9941 RTF .9873 CRT .9999 CRS -.9863 CST -.9883
 FDE-3.2840 FRA 7.1717 FC3-5.4960 BSP 16175 SGB 5209.5 R23 .0712 R13 .9917 LSA 2974.9 MSA 234.8 SSA 11.0
 BDE .9521 BRA 2.8803 BC3 2.7364 FSP -3896 SG1 5199.2 SG2 327.2 TMA 36.31 EL1 2024.3 EL2 16.5 ALF 37.46

LAUNCH DATE APR 13 1967

FLIGHT TIME 200.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 534.998

RL 150.00 LAL -.00 LOL 202.39 VL 27.577 GAL 7.04 AZL 89.78 MCA 231.04 SMA 131.52 ECC .18567 INC .2241 V1 29.706
 RP 107.82 LAP -.17 LOP 73.43 VP 38.115 GAP 2.60 AZP 90.14 TAL 145.72 TAP 16.77 RCA 107.10 APO 155.94 V2 35.149
 RC 91.113 GL 1.66 GP -34.22 ZAL 38.95 ZAP 117.60 ETS 341.56 ZAE 131.60 ETE 212.57 ZAC 135.67 ETC 346.68 CLP-124.08

PLANETOCENTRIC CONIC

C3 13.809 VHL 3.716 DLA 8.03 RAL 165.41 RAD 6567.5 VEL 11.627 PTH 2.04 VMP 4.170 OPA -12.82 RAP 124.72 ECC 1.2273
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 59 49 2381.08 -23.23 52.31 23.04 106.66 8 39 31 1781.1 -20.73 44.53
 90.00 21 58 55 4522.09 10.24 190.15 20.17 63.45 23 14 17 3922.1 6.59 183.37
 100.00 9 25 3 2106.23 -24.22 31.76 22.71 108.08 10 0 9 1506.2 -21.52 24.00
 100.00 23 16 23 4272.17 11.16 171.29 19.69 62.09 24 27 35 3672.2 7.34 164.59
 110.00 10 42 8 1864.98 -26.86 12.38 21.64 111.99 11 13 13 1265.0 -23.63 4.70
 110.00 0 19 43 4086.18 13.60 155.75 18.26 58.33 1 27 49 3486.2 9.31 149.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.9120 TRA 2.5257 TC3-2.5456 BAU .5128 SGT 4585.0 SGR 2792.6 SG3 1103.0 ST 1836.4 SR 1118.3 SS 2221.0
 RDE -.5308 RRA 1.6307 RC3-1.1110 FAU .08169 RRT .9917 RRF .9924 RTF .9884 CRT .9986 CRS -.9832 CST -.9912
 FDE-3.3738 FRA 7.0767 FC3-5.1213 BSP 16643 SGB 5368.6 R23 .0608 R13 .9911 LSA 3082.6 MSA 230.8 SSA 11.4
 BDE 1.0552 BRA 3.0064 BC3 2.7774 FSP -3805 SG1 5359.8 SG2 306.4 TMA 31.25 EL1 2149.5 EL2 49.8 ALF 31.32

LAUNCH DATE APR 13 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 541.223

RL 150.00 LAL -.00 LOL 202.39 VL 27.569 GAL 7.19 AZL 90.02 MCA 234.27 SMA 131.46 ECC .18767 INC .0099 V1 29.706
 RP 107.78 LAP .02 LOP 76.66 VP 38.120 GAP 3.07 AZP 89.99 TAL 145.37 TAP 19.64 RCA 106.79 APO 156.14 V2 35.160
 RC 93.352 GL -1.14 GP -31.87 ZAL 38.45 ZAP 121.67 ETS 339.84 ZAE 130.55 ETE 208.56 ZAC 136.97 ETC 348.38 CLP-128.18

PLANETOCENTRIC CONIC

C3 14.278 VHL 3.779 DLA 6.18 RAL 165.15 RAD 6567.6 VEL 11.647 PTH 2.04 VMP 4.254 OPA -10.36 RAP 124.53 ECC 1.2350
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 13 2 2329.73 -22.19 48.91 22.74 108.06 8 51 52 1729.7 -19.51 41.26
 90.00 21 43 38 4588.12 12.22 193.99 20.45 64.26 23 0 6 3988.1 8.66 187.12
 100.00 9 37 19 2057.89 -23.16 28.56 22.38 109.44 10 11 37 1457.9 -20.30 20.93
 100.00 23 2 2 4335.18 13.14 174.92 19.98 62.91 24 14 17 3735.2 9.41 168.12
 110.00 10 52 17 1823.28 -25.76 9.63 21.26 113.28 11 22 40 1223.3 -22.39 2.10
 110.00 0 7 29 4142.55 15.59 158.91 18.59 59.19 1 16 32 3542.6 11.39 152.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.0678 TRA 2.7648 TC3-2.6312 BAU .5350 SGT 4935.3 SGR 2515.1 SG3 1060.3 ST 2055.6 SR 1007.9 SS 2236.4
 RDE -1.4859 RRA 1.5022 RC3 -.9665 FAU .07745 RRT .9915 RRF .9901 RTF .9890 CRT .9962 CRS -.9792 CST -.9931
 FDE-3.4278 FRA 6.9077 FC3-4.6964 BSP 17235 SGB 5539.2 R23 .0468 R13 .9906 LSA 3192.2 MSA 228.2 SSA 11.6
 BDE 1.1731 BRA 3.1465 BC3 2.8031 FSP -3685 SG1 5531.5 SG2 292.7 TMA 26.89 EL1 2288.0 EL2 79.3 ALF 26.07

LAUNCH DATE APR 13 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 547.423

RL 150.00 LAL -.00 LOL 202.39 VL 27.560 GAL 7.35 AZL 90.25 MCA 237.49 SMA 131.40 ECC .18995 INC .2452 V1 29.706
 RP 107.75 LAP .21 LOP 79.88 VP 38.124 GAP 3.54 AZP 89.87 TAL 144.99 TAP 22.48 RCA 106.44 APO 156.36 V2 35.170
 RC 95.596 GL -1.74 GP -29.68 ZAL 37.98 ZAP 125.52 ETS 338.36 ZAE 129.40 ETE 205.11 ZAC 137.94 ETC 350.29 CLP-131.97

PLANETOCENTRIC CONIC

C3 14.845 VHL 3.853 DLA 4.52 RAL 165.00 RAD 6567.6 VEL 11.672 PTH 2.05 VMP 4.365 OPA -8.11 RAP 124.53 ECC 1.2443
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 25 4 2285.93 -21.23 46.05 22.71 109.19 9 3 10 1685.9 -18.42 38.51
 90.00 21 30 21 4649.23 14.00 197.59 20.99 65.13 22 47 50 4049.2 10.53 190.63
 100.00 9 48 31 2016.72 -22.20 25.88 22.33 110.55 10 22 8 1416.7 -19.21 18.36
 100.00 22 49 34 4393.67 14.93 178.34 20.53 63.80 24 2 48 3793.7 11.29 171.45
 110.00 11 1 38 1787.91 -24.79 7.34 21.17 114.32 11 31 26 1187.9 -21.30 359.93
 110.00 23 32 57 4195.25 17.40 161.91 19.16 60.10 25 2 52 3595.2 13.30 155.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.2241 TRA 2.9959 TC3-2.6781 BAU .5567 SGT 5248.2 SGR 2260.8 SG3 1009.3 ST 2261.6 SR 900.9 SS 2236.7
 RDE -1.4394 RRA 1.3854 RC3 -.8342 FAU .07253 RRT .9904 RRF .9871 RTF .9893 CRT .9923 CRS -.9737 CST -.9944
 FDE-3.4414 FRA 6.6923 FC3-4.2297 BSP 17866 SGB 5714.5 R23 .0312 R13 .9902 LSA 3298.2 MSA 226.6 SSA 11.8
 BDE 1.3008 BRA 3.3007 BC3 2.8050 FSP -3532 SG1 5707.3 SG2 286.8 TMA 23.17 EL1 2432.2 EL2 104.0 ALF 21.61

LAUNCH DATE APR 13 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 5 1967

DISTANCE 553.596

MELIOCENTRIC CONIC
 RL 150.00 LAL -1.00 LOL 202.39 VL 27.551 GAL 7.54 AZL 90.46 HCA 240.72 SMA 131.33 ECC .19250 INC .4559 V1 29.706
 RP 107.72 LAP .40 LOP 83.11 VP 38.126 GAP 4.01 AZP 89.78 TAL 144.59 TAP 25.31 RCA 106.05 APO 156.61 V2 35.180
 RC 97.843 GL -3.17 GP -27.65 ZAL 37.54 ZAP 129.16 ETS 337.08 ZAE 128.21 ETE 202.19 ZAC 138.56 ETC 352.30 CLP-135.48

PLANETOCENTRIC CONIC
 C3 15.513 VHL 3.939 OLA 3.00 RAL 164.93 RAD 6567.6 VEL 11.700 PTH 2.06 VMP 4.500 DPA -6.09 RAP 124.73 ECC 1.2553
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 36 7 2248.63 -20.38 43.65 22.93 110.10 9 13 36 1648.6 -17.46 36.19
 90.00 21 18 45 4706.27 15.60 201.01 21.74 66.07 22 37 12 4106.3 12.24 193.95
 100.00 9 58 52 1981.74 -21.35 23.63 22.53 111.43 10 31 54 1381.7 -18.25 16.20
 100.00 22 38 42 4448.40 16.55 181.60 21.29 64.75 23 52 50 3848.4 13.01 174.60
 110.00 11 10 20 1758.07 -23.94 5.44 21.32 115.16 11 39 38 1158.1 -20.35 358.14
 110.00 23 43 43 4244.83 19.06 164.80 19.94 61.07 24 54 28 3644.8 15.06 157.97

MID-COURSE EXECUTION ACCURACY
 SGT 5526.8 SGR 2031.0 SG3 953.3
 RRT .9886 RRF .9832 RTF .9894
 SGB 5888.1 R23 .0161 R13 .9899
 SGI 5881.1 SG2 287.7 TMA 20.02

ORBIT DETERMINATION ACCURACY
 ST 2453.3 SR 799.5 SS 2224.0
 CRT .9865 CRS -.9663 CST -.9953
 LSA 3399.0 MSA 225.7 SSA 12.0
 EL1 2577.3 EL2 124.5 ALF 17.87

DIFFERENTIAL CORRECTIONS
 TOE-1.3804 TRA 3.2220 TC3-2.6883 BAU .5769
 RDE -.3922 RRA 1.2810 RC3 -.7148 FAU .06709
 FDE-3.4207 FRA 6.4499 FC3-3.7442 BSP 18489
 BDE 1.4351 BRA 3.4673 BC3 2.7817 FSP -3353

LAUNCH DATE APR 13 1967

FLIGHT TIME 208.00

ARRIVAL DATE NOV 7 1967

DISTANCE 559.739

MELIOCENTRIC CONIC
 RL 150.00 LAL -1.00 LOL 202.39 VL 27.540 GAL 7.74 AZL 90.65 HCA 243.95 SMA 131.25 ECC .19535 INC .6535 V1 29.706
 RP 107.69 LAP .59 LOP 86.34 VP 38.127 GAP 4.49 AZP 89.71 TAL 144.16 TAP 28.11 RCA 105.61 APO 156.89 V2 35.190
 RC 100.092 GL -4.43 GP -25.80 ZAL 37.11 ZAP 132.58 ETS 335.94 ZAE 127.03 ETE 199.71 ZAC 138.86 ETC 354.35 CLP-138.72

PLANETOCENTRIC CONIC
 C3 16.284 VHL 4.035 OLA 1.63 RAL 164.94 RAD 6567.7 VEL 11.733 PTH 2.07 VMP 4.657 DPA -4.27 RAP 125.11 ECC 1.2680
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 46 23 2217.03 -19.63 41.64 23.35 110.83 9 23 20 1617.0 -16.62 34.25
 90.00 21 8 37 4759.89 17.06 204.28 22.69 67.05 22 27 57 4159.9 13.80 197.11
 100.00 10 8 29 1952.21 -20.60 21.75 22.95 112.15 10 41 1 1352.2 -17.42 14.41
 100.00 22 29 12 4499.95 18.02 184.72 22.25 65.74 23 44 12 3899.9 14.59 177.61
 110.00 11 18 28 1733.14 -23.21 3.87 21.69 115.83 11 47 22 1133.1 -19.55 356.65
 110.00 23 35 42 4291.77 20.58 167.59 20.92 62.09 24 47 14 3691.8 16.69 160.63

MID-COURSE EXECUTION ACCURACY
 SGT 5774.4 SGR 1825.6 SG3 895.0
 RRT .9858 RRF .9783 RTF .9895
 SGB 6056.1 R23 .0026 R13 .9896
 SGI 6049.1 SG2 293.1 TMA 17.35

ORBIT DETERMINATION ACCURACY
 ST 2630.8 SR 705.3 SS 2200.7
 CRT .9783 CRS -.9561 CST -.9960
 LSA 3494.5 MSA 225.1 SSA 12.2
 EL1 2720.1 EL2 141.5 ALF 14.74

DIFFERENTIAL CORRECTIONS
 TOE-1.5300 TRA 3.4452 TC3-2.8676 BAU .5957
 RDE -.3456 RRA 1.1884 RC3 -.8102 FAU .06149
 FDE-3.3734 FRA 6.1935 FC3-3.2690 BSP 19103
 BDE 1.5753 BRA 3.6444 BC3 2.7365 FSP -3161

LAUNCH DATE APR 13 1967

FLIGHT TIME 210.00

ARRIVAL DATE NOV 9 1967

DISTANCE 565.853

MELIOCENTRIC CONIC
 RL 150.00 LAL -1.00 LOL 202.39 VL 27.528 GAL 7.96 AZL 90.84 HCA 247.18 SMA 131.17 ECC .19849 INC .8408 V1 29.706
 RP 107.66 LAP .78 LOP 89.57 VP 38.127 GAP 4.98 AZP 89.67 TAL 143.71 TAP 30.89 RCA 105.13 APO 157.20 V2 35.199
 RC 102.344 GL -5.54 GP -24.10 ZAL 36.68 ZAP 135.78 ETS 334.90 ZAE 125.87 ETE 197.62 ZAC 138.86 ETC 356.36 CLP-141.74

PLANETOCENTRIC CONIC
 C3 17.165 VHL 4.143 OLA .39 RAL 165.03 RAD 6567.7 VEL 11.771 PTH 2.08 VMP 4.834 DPA -2.65 RAP 125.67 ECC 1.2825
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 55 58 2190.49 -18.98 39.96 23.97 111.42 9 32 29 1590.5 -15.90 32.64
 90.00 20 59 44 4810.60 18.38 207.42 23.81 68.07 22 19 54 4210.6 15.24 200.15
 100.00 10 17 30 1927.53 -19.96 20.20 23.55 112.72 10 49 37 1327.5 -16.71 12.92
 100.00 22 20 53 4548.79 19.36 187.73 23.38 66.77 23 36 42 3948.8 16.05 180.50
 110.00 11 26 9 1712.63 -22.60 2.60 22.26 116.36 11 54 42 1112.6 -18.87 355.44
 110.00 23 28 43 4336.46 21.98 170.31 22.07 63.14 24 41 0 3736.5 18.20 163.21

MID-COURSE EXECUTION ACCURACY
 SGT 5994.5 SGR 1643.6 SG3 836.3
 RRT .9817 RRF .9722 RTF .9893
 SGB 6215.7 R23 -.0082 R13 .9893
 SGI 6208.4 SG2 302.1 TMA 15.10

ORBIT DETERMINATION ACCURACY
 ST 2792.3 SR 618.6 SS 2166.7
 CRT .9662 CRS -.9419 CST -.9966
 LSA 3581.0 MSA 224.8 SSA 12.3
 EL1 2855.7 EL2 155.8 ALF 12.12

DIFFERENTIAL CORRECTIONS
 TOE-1.6917 TRA 3.6706 TC3-2.6138 BAU .6114
 RDE -.2992 RRA 1.1077 RC3 -.5169 FAU .05558
 FDE-3.3005 FRA 5.9394 FC3-2.8035 BSP 19628
 BDE 1.7179 BRA 3.8341 BC3 2.6644 FSP -2952

LAUNCH DATE APR 13 1967

FLIGHT TIME 212.00

ARRIVAL DATE NOV 11 1967

DISTANCE 571.933

MELIOCENTRIC CONIC
 RL 150.00 LAL -1.00 LOL 202.39 VL 27.515 GAL 8.21 AZL 91.02 HCA 250.41 SMA 131.07 ECC .20196 INC 1.0192 V1 29.706
 RP 107.63 LAP .96 LOP 92.80 VP 38.125 GAP 5.47 AZP 89.66 TAL 143.24 TAP 33.65 RCA 104.60 APO 157.55 V2 35.208
 RC 104.596 GL -6.53 GP -22.56 ZAL 36.25 ZAP 138.78 ETS 333.92 ZAE 124.76 ETE 195.85 ZAC 138.60 ETC 358.28 CLP-144.53

PLANETOCENTRIC CONIC
 C3 18.162 VHL 4.262 OLA -.75 RAL 165.18 RAD 6567.7 VEL 11.813 PTH 2.09 VMP 5.030 DPA -1.23 RAP 126.39 ECC 1.2989
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 4 58 2168.51 -18.42 38.59 24.76 111.89 9 41 7 1568.5 -15.29 31.31
 90.00 20 51 57 4858.81 19.57 210.45 25.09 69.12 22 12 55 4258.8 16.56 203.07
 100.00 10 25 58 1907.25 -19.42 18.93 24.32 113.18 10 57 45 1307.2 -16.12 11.70
 100.00 22 13 38 4595.31 20.58 190.65 24.67 67.83 23 30 13 3995.3 17.39 183.30
 110.00 11 33 25 1696.12 -22.09 1.58 22.99 116.77 12 1 41 1096.1 -18.32 354.47
 110.00 23 22 40 4379.20 23.27 172.95 23.38 64.23 24 35 40 3779.2 19.61 165.72

MID-COURSE EXECUTION ACCURACY
 SGT 6189.8 SGR 1482.6 SG3 779.1
 RRT .9764 RRF .9646 RTF .9892
 SGB 6364.9 R23 -.0174 R13 .9891
 SGI 6357.3 SG2 311.6 TMA 13.20

ORBIT DETERMINATION ACCURACY
 ST 2943.1 SR 541.3 SS 2130.0
 CRT .9496 CRS -.9229 CST -.9970
 LSA 3666.2 MSA 224.4 SSA 12.4
 EL1 2987.8 EL2 167.1 ALF 9.94

DIFFERENTIAL CORRECTIONS
 TOE-1.8505 TRA 3.8943 TC3-2.5454 BAU .6272
 RDE -.2558 RRA 1.0357 RC3 -.4398 FAU .05019
 FDE-3.2221 FRA 5.6832 FC3-2.3926 BSP 20204
 BDE 1.8681 BRA 4.0297 BC3 2.5831 FSP -2760

LAUNCH DATE APR 13 1967

FLIGHT TIME 214.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 577.977

RL 150.00 LAL -.00 LOL 202.39 VL 27.501 GAL 8.47 AZL 91.19 MCA 253.65 SMA 130.98 ECC .20576 INC 1.1907 VI 29.706
 RP 107.61 LAP 1.14 LOP 96.04 VP 38.123 GAP 5.98 AZP 89.66 TAL 142.74 TAP 36.39 RCA 104.03 APO 157.93 V2 35.216
 RC 106.849 GL -7.40 GP -21.16 ZAL 35.81 ZAP 141.57 ETS 332.97 ZAE 123.71 ETE 194.37 ZAC 138.09 ETC .07 CLP-147.14

PLANETOCENTRIC CONIC

C3 19.286 VHL 4.392 DLA -1.78 RAL 165.39 RAD 6567.8 VEL 11.860 PTH 2.10 VHP 5.243 DPA .00 RAP 127.26 ECC 1.3174
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 13 27 2150.70 -17.97 37.48 25.70 112.26 9 49 18 1550.7 -14.79 30.24
 90.00 20 45 9 4904.86 20.66 213.39 26.51 70.20 22 6 53 4304.9 17.78 205.90
 100.00 10 33 58 1890.97 -18.98 17.93 25.25 113.53 11 5 29 1291.0 -15.64 10.73
 100.00 22 7 19 4639.82 21.70 193.48 26.10 68.92 23 24 39 4039.8 18.64 186.02
 110.00 11 40 19 1683.28 -21.70 .79 23.88 117.08 12 8 22 1083.3 -17.89 353.73
 110.00 23 17 27 4420.28 24.46 175.55 24.83 65.35 24 31 8 3820.3 20.93 168.18

DIFFERENTIAL CORRECTIONS

TOE-2.0104 TRA 4.1218 TC3-2.4570 BAU .6408
 RDE -.2139 RRA .9727 RC3 -.3735 FAU .04496
 FDE-3.1331 FRA 5.4375 FC3-2.0181 BSP 20739
 BDE 2.0217 BRA 4.2350 BC3 2.4852 FSP -2572

MID-COURSE EXECUTION ACCURACY

SGT 6362.6 SGR 1340.7 SG3 724.0
 RRT .9696 RRF .9553 RTF .9890
 SGB 6502.3 R23 -.0245 R13 .9888
 SGI 6494.4 SG2 321.6 TMA 11.58

ORBIT DETERMINATION ACCURACY

ST 3080.4 SR 472.3 SS 2088.0
 CRT .9261 CRS -.8968 CST -.9974
 LSA 3744.5 MSA 224.0 SSA 12.5
 EL1 3111.4 EL2 176.4 ALF 8.11

LAUNCH DATE APR 13 1967

FLIGHT TIME 216.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 583.983

RL 150.00 LAL -.00 LOL 202.39 VL 27.487 GAL 8.76 AZL 91.36 MCA 256.89 SMA 130.87 ECC .20991 INC 1.3568 VI 29.706
 RP 107.59 LAP 1.32 LOP 99.27 VP 38.119 GAP 6.50 AZP 89.69 TAL 142.23 TAP 39.12 RCA 103.40 APO 158.35 V2 35.223
 RC 109.101 GL -8.16 GP -19.90 ZAL 35.36 ZAP 144.18 ETS 332.02 ZAE 122.72 ETE 193.11 ZAC 137.37 ETC 1.70 CLP-149.59

PLANETOCENTRIC CONIC

C3 20.351 VHL 4.533 DLA -2.71 RAL 165.66 RAD 6567.8 VEL 11.913 PTH 2.12 VHP 5.474 DPA 1.07 RAP 128.27 ECC 1.3382
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 21 27 2136.71 -17.61 36.61 26.78 112.54 9 57 4 1536.7 -14.40 29.40
 90.00 20 39 13 4949.05 21.68 216.25 28.08 71.30 22 1 42 4349.1 18.90 208.66
 100.00 10 41 32 1878.40 -18.64 17.15 26.32 113.80 11 12 50 1278.4 -15.27 9.98
 100.00 22 1 50 4682.60 22.72 196.25 27.67 70.03 23 19 52 4082.6 19.79 188.68
 110.00 11 48 52 1673.85 -21.41 .22 24.91 117.31 12 14 46 1073.8 -17.58 353.18
 110.00 23 12 58 4459.91 25.56 178.10 26.43 66.50 24 27 18 3859.9 22.16 170.60

DIFFERENTIAL CORRECTIONS

TOE-2.1723 TRA 4.3554 TC3-2.3536 BAU .6525
 RDE -.1738 RRA .9175 RC3 -.3170 FAU .04000
 FDE-3.0395 FRA 5.2058 FC3-1.6852 BSP 21230
 BDE 2.1793 BRA 4.4510 BC3 2.3749 FSP -2391

MID-COURSE EXECUTION ACCURACY

SGT 6516.3 SGR 1215.9 SG3 671.9
 RRT .9609 RRF .9443 RTF .9888
 SGB 6628.7 R23 -.0300 R13 .9885
 SGI 6620.4 SG2 331.3 TMA 10.19

ORBIT DETERMINATION ACCURACY

ST 3205.5 SR 411.8 SS 2043.1
 CRT .8933 CRS -.8612 CST -.9977
 LSA 3817.0 MSA 223.5 SSA 12.6
 EL1 3226.7 EL2 183.9 ALF 6.57

LAUNCH DATE APR 13 1967

FLIGHT TIME 218.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 589.947

RL 150.00 LAL -.00 LOL 202.39 VL 27.471 GAL 9.08 AZL 91.52 MCA 260.12 SMA 130.77 ECC .21444 INC 1.5186 VI 29.706
 RP 107.57 LAP 1.50 LOP 102.51 VP 38.114 GAP 7.03 AZP 89.74 TAL 141.70 TAP 41.83 RCA 102.73 APO 158.81 V2 35.230
 RC 111.351 GL -8.82 GP -18.75 ZAL 34.91 ZAP 146.63 ETS 331.03 ZAE 121.80 ETE 192.04 ZAC 136.46 ETC 3.17 CLP-151.88

PLANETOCENTRIC CONIC

C3 21.970 VHL 4.687 DLA -3.57 RAL 165.96 RAD 6567.9 VEL 11.973 PTH 2.13 VHP 5.721 DPA 1.99 RAP 129.40 ECC 1.3616
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 29 2 2126.28 -17.33 35.97 28.00 112.75 10 4 28 1526.3 -14.10 28.78
 90.00 20 34 5 4991.62 22.56 219.04 29.76 72.42 21 57 17 4391.6 19.94 211.35
 100.00 10 48 42 1869.26 -18.39 16.59 27.52 113.99 11 19 52 1269.3 -14.99 9.44
 100.00 21 57 6 4723.88 23.65 198.96 29.37 71.17 23 15 50 4123.9 20.86 191.27
 110.00 11 53 8 1667.59 -21.21 359.84 26.07 117.46 12 20 55 1067.6 -17.36 352.82
 110.00 23 9 10 4498.31 26.58 180.62 28.15 67.67 24 24 8 3898.3 23.32 172.98

DIFFERENTIAL CORRECTIONS

TOE-2.3370 TRA 4.5960 TC3-2.2585 BAU .6622
 RDE -.1353 RRA .8888 RC3 -.2689 FAU .03536
 FDE-2.9438 FRA 4.9886 FC3-1.3932 BSP 21691
 BDE 2.3409 BRA 4.6774 BC3 2.2546 FSP -2221

MID-COURSE EXECUTION ACCURACY

SGT 6652.0 SGR 1106.0 SG3 622.9
 RRT .9503 RRF .9312 RTF .9886
 SGB 6743.3 R23 -.0341 R13 .9883
 SGI 6734.7 SG2 340.2 TMA 9.00

ORBIT DETERMINATION ACCURACY

ST 3319.1 SR 359.6 SS 1996.3
 CRT .8479 CRS -.8129 CST -.9980
 LSA 3883.4 MSA 222.9 SSA 12.6
 EL1 3333.1 EL2 189.9 ALF 5.27

LAUNCH DATE APR 13 1967

FLIGHT TIME 220.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 595.864

RL 150.00 LAL -.00 LOL 202.39 VL 27.455 GAL 9.42 AZL 91.68 MCA 263.36 SMA 130.65 ECC .21937 INC 1.6772 VI 29.706
 RP 107.55 LAP 1.67 LOP 105.75 VP 38.109 GAP 7.58 AZP 89.81 TAL 141.16 TAP 44.53 RCA 101.99 APO 159.31 V2 35.236
 RC 113.598 GL -9.40 GP -17.72 ZAL 34.44 ZAP 148.92 ETS 329.98 ZAE 120.94 ETE 191.12 ZAC 135.40 ETC 4.48 CLP-154.04

PLANETOCENTRIC CONIC

C3 23.564 VHL 4.854 DLA -4.34 RAL 166.31 RAD 6568.0 VEL 12.039 PTH 2.15 VHP 5.986 DPA 2.76 RAP 130.64 ECC 1.3878
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 36 12 2119.18 -17.14 35.53 29.33 112.89 10 11 31 1519.2 -13.90 28.36
 90.00 20 29 40 5032.77 23.38 221.78 31.56 73.55 21 53 32 4432.8 20.90 213.98
 100.00 10 55 30 1863.34 -18.22 16.23 28.83 114.11 11 26 34 1263.3 -14.82 9.09
 100.00 21 53 2 4763.84 24.50 201.62 31.18 72.32 23 12 26 4163.8 21.86 193.83
 110.00 11 59 5 1664.31 -21.11 359.64 27.35 117.53 12 26 49 1064.3 -17.25 352.63
 110.00 23 5 57 4535.64 27.92 183.12 30.00 68.88 24 21 33 3935.6 24.40 175.34

DIFFERENTIAL CORRECTIONS

TOE-2.5012 TRA 4.8496 TC3-2.1070 BAU .6676
 RDE -.0976 RRA .8263 RC3 -.2267 FAU .03077
 FDE-2.8432 FRA 4.7917 FC3-1.1304 BSP 22021
 BDE 2.5031 BRA 4.9195 BC3 2.1192 FSP -2050

MID-COURSE EXECUTION ACCURACY

SGT 6771.6 SGR 1009.2 SG3 577.3
 RRT .9373 RRF .9160 RTF .9883
 SGB 6846.4 R23 -.0367 R13 .9881
 SGI 6837.5 SG2 348.3 TMA 7.97

ORBIT DETERMINATION ACCURACY

ST 3418.4 SR 315.3 SS 1946.1
 CRT .7847 CRS -.7468 CST -.9982
 LSA 3939.8 MSA 222.3 SSA 12.7
 EL1 3427.3 EL2 194.9 ALF 4.15

LAUNCH DATE APR 14 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUN 23 1967

HELIOCENTRIC CONIC

DISTANCE 120.563

RL 150.04 LAL -.00 LOL 203.37 VL 13.104 GAL 41.27 AZL 86.19 HCA 24.90 SMA 83.08 ECC .89553 INC 3.8102 V1 29.698
 RP 108.30 LAP 1.60 LOP 228.23 VP 29.216 GAP -62.16 AZP 86.54 TAL 173.83 TAP 198.74 RCA 8.68 APO 157.49 V2 34.992
 RC 103.096 GL 1.75 GP 2.60 ZAL 67.69 ZAP 39.50 ETS 186.49 ZAE 131.24 ETE 179.39 ZAC 163.03 ETC 85.97 CLP 39.43

PLANETOCENTRIC CONIC

C3 461.610 VHL 21.485 DLA 17.80 RAL 138.69 RAD 6572.3 VEL 24.144 PTH 3.31 VMP 33.784 DPA 26.67 RAP 87.14 ECC 8.5969
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 43 54 3422.53 -22.21 125.88 52.83 71.97 5 40 56 2822.5 -24.47 117.93
 90.00 21 33 47 4887.54 20.26 212.28 38.51 69.78 22 55 15 4287.5 17.33 204.83
 100.00 6 15 42 3126.50 -24.14 104.79 53.51 71.81 7 7 48 2526.5 -26.40 96.72
 100.00 22 44 40 4658.80 22.16 194.70 37.76 69.40 24 2 19 4058.8 19.16 187.19
 110.00 7 46 51 2841.31 -29.12 84.99 55.37 71.25 8 34 12 2241.3 -31.40 76.52
 110.00 23 30 1 4516.76 27.05 181.85 35.67 68.26 24 45 17 3916.8 23.86 174.14

DIFFERENTIAL CORRECTIONS

TOE .7919 TRA-2.3410 TC3 -.0987 BAU .6093
 ROE-1.6056 RRA -.6457 RC3 -.0003 FAU .01064
 FOE -.2664 FRA .7515 FC3 -.0200 BSP 1876
 BOE 1.7903 BRA 2.4284 BC3 .0987 FSP -41

MID-COURSE EXECUTION ACCURACY

SGT 809.0 SGR 464.8 SG3 20.6
 RRT .0762 RRF -.0682 RTF -.6055
 SGB 933.0 R23 .0003 R13 -.6059
 SGI 810.2 SG2 462.8 TMA 3.72

ORBIT DETERMINATION ACCURACY

ST 288.9 SR 431.6 SS 277.6
 CRT -.6396 CRS -.6578 CST .9972
 LSA 534.9 MSA 245.8 SSA 14.2
 EL1 479.3 EL2 200.0 ALF 118.59

LAUNCH DATE APR 14 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUN 25 1967

HELIOCENTRIC CONIC

DISTANCE 125.440

RL 150.04 LAL -.00 LOL 203.37 VL 13.968 GAL 39.01 AZL 86.95 HCA 28.08 SMA 84.32 ECC .87349 INC 3.0475 V1 29.698
 RP 108.34 LAP 1.43 LOP 231.42 VP 29.598 GAP -59.48 AZP 87.31 TAL 172.91 TAP 200.99 RCA 10.67 APO 157.97 V2 34.979
 RC 100.667 GL 1.60 GP 2.65 ZAL 66.24 ZAP 37.97 ETS 186.72 ZAE 131.02 ETE 179.08 ZAC 162.69 ETC 80.60 CLP 37.89

PLANETOCENTRIC CONIC

C3 424.753 VHL 20.610 DLA 17.23 RAL 140.10 RAD 6572.2 VEL 23.368 PTH 3.29 VMP 32.637 DPA 26.84 RAP 88.99 ECC 7.9904
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 55 15 3393.17 -22.82 123.94 53.61 72.76 5 51 48 2793.2 -24.97 115.92
 90.00 21 33 30 4901.92 20.60 213.20 39.46 70.13 22 55 20 4301.9 17.70 205.72
 100.00 6 26 32 3098.83 -24.71 102.93 54.26 72.62 7 18 10 2498.8 -26.86 94.79
 100.00 22 45 3 4671.50 22.46 195.53 36.73 69.74 24 2 54 4071.5 19.50 187.98
 110.00 7 56 30 2816.92 -29.64 83.28 56.02 72.14 8 43 35 2216.9 -31.79 74.73
 110.00 23 31 26 4526.18 27.29 182.48 36.70 68.57 24 46 52 3926.2 24.13 174.74

DIFFERENTIAL CORRECTIONS

TOE .8110 TRA-2.3640 TC3 -.1057 BAU .6002
 ROE-1.5555 RRA -.6487 RC3 .0001 FAU .01062
 FOE -.2834 FRA .7789 FC3 -.0216 BSP 1989
 BOE 1.7542 BRA 2.4521 BC3 .1057 FSP -45

MID-COURSE EXECUTION ACCURACY

SGT 845.2 SGR 471.8 SG3 22.1
 RRT .0807 RRF -.0728 RTF -.6236
 SGB 968.0 R23 .0001 R13 -.6240
 SGI 846.5 SG2 469.6 TMA 3.73

ORBIT DETERMINATION ACCURACY

ST 306.0 SR 436.1 SS 293.6
 CRT -.6429 CRS -.6655 CST .9972
 LSA 553.1 MSA 252.8 SSA 14.4
 EL1 490.3 EL2 208.5 ALF 120.32

LAUNCH DATE APR 14 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUN 27 1967

HELIOCENTRIC CONIC

DISTANCE 130.472

RL 150.04 LAL -.00 LOL 203.37 VL 14.789 GAL 36.99 AZL 87.57 HCA 31.26 SMA 85.60 ECC .85058 INC 2.4293 V1 29.698
 RP 108.38 LAP 1.26 LOP 234.61 VP 29.979 GAP -56.94 AZP 87.92 TAL 171.97 TAP 203.23 RCA 12.79 APO 158.41 V2 34.966
 RC 98.243 GL 1.45 GP 2.71 ZAL 64.84 ZAP 36.47 ETS 186.96 ZAE 130.86 ETE 178.76 ZAC 162.19 ETC 75.41 CLP 36.38

PLANETOCENTRIC CONIC

C3 391.042 VHL 19.775 DLA 16.65 RAL 141.44 RAD 6572.1 VEL 22.635 PTH 3.26 VMP 31.529 DPA 27.00 RAP 90.87 ECC 7.4356
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 6 18 3363.50 -23.40 121.96 54.28 73.59 6 2 22 2763.5 -25.43 113.88
 90.00 21 33 20 4915.74 20.91 214.09 40.33 70.46 22 55 16 4315.7 18.06 206.57
 100.00 6 37 5 3070.77 -25.27 101.03 54.89 73.48 7 28 16 2470.8 -27.29 92.82
 100.00 22 45 15 4683.70 22.74 196.32 39.62 70.06 24 3 18 4083.7 19.82 188.74
 110.00 8 6 10 2792.05 -30.15 81.52 56.54 73.07 8 52 42 2192.0 -32.17 72.89
 110.00 23 32 39 4535.19 27.51 183.09 37.65 68.86 24 48 14 3935.2 24.39 175.31

DIFFERENTIAL CORRECTIONS

TOE .8296 TRA-2.3894 TC3 -.1129 BAU .5902
 ROE-1.5052 RRA -.6500 RC3 .0006 FAU .01061
 FOE -.3007 FRA .8067 FC3 -.0235 BSP 2113
 BOE 1.7186 BRA 2.4762 BC3 .1129 FSP -49

MID-COURSE EXECUTION ACCURACY

SGT 882.8 SGR 478.4 SG3 25.8
 RRT .0855 RRF -.0775 RTF -.6412
 SGB 1004.1 R23 -.0002 R13 -.6416
 SGI 884.1 SG2 475.9 TMA 3.74

ORBIT DETERMINATION ACCURACY

ST 324.0 SR 440.1 SS 310.1
 CRT -.6456 CRS -.6724 CST .9972
 LSA 572.0 MSA 259.4 SSA 14.7
 EL1 501.5 EL2 217.1 ALF 122.13

LAUNCH DATE APR 14 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUN 29 1967

HELIOCENTRIC CONIC

DISTANCE 135.647

RL 150.04 LAL -.00 LOL 203.37 VL 15.566 GAL 35.16 AZL 88.08 HCA 34.45 SMA 86.93 ECC .82703 INC 1.9151 V1 29.698
 RP 108.42 LAP 1.08 LOP 237.80 VP 30.355 GAP -54.54 AZP 88.42 TAL 171.03 TAP 205.47 RCA 15.04 APO 158.81 V2 34.953
 RC 95.826 GL 1.28 GP 2.77 ZAL 63.47 ZAP 34.99 ETS 187.23 ZAE 130.75 ETE 178.41 ZAC 161.54 ETC 70.48 CLP 34.89

PLANETOCENTRIC CONIC

C3 360.158 VHL 18.978 DLA 16.07 RAL 142.74 RAD 6572.0 VEL 21.942 PTH 3.23 VMP 30.457 DPA 27.14 RAP 92.78 ECC 6.9273
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 17 5 3333.49 -23.97 119.94 54.84 74.45 6 12 38 2733.5 -25.87 111.79
 90.00 21 32 52 4928.98 21.21 214.94 41.12 70.79 22 55 1 4329.0 18.40 207.40
 100.00 6 47 22 3042.31 -25.81 99.09 55.40 74.37 7 38 4 2442.3 -27.70 90.80
 100.00 22 45 16 4695.39 23.01 197.08 40.44 70.38 24 3 31 4095.4 20.13 189.48
 110.00 8 15 28 2766.68 -30.64 79.71 56.95 74.04 9 1 34 2166.7 -32.52 70.99
 110.00 23 33 40 4543.78 27.72 183.67 36.32 69.15 24 49 23 3943.8 24.63 175.86

DIFFERENTIAL CORRECTIONS

TOE .8495 TRA-2.4128 TC3 -.1201 BAU .5785
 ROE-1.4547 RRA -.6497 RC3 .0012 FAU .01062
 FOE -.3186 FRA .8345 FC3 -.0255 BSP 2292
 BOE 1.6846 BRA 2.4987 BC3 .1201 FSP -54

MID-COURSE EXECUTION ACCURACY

SGT 921.0 SGR 484.3 SG3 25.5
 RRT .0895 RRF -.0819 RTF -.6583
 SGB 1040.6 R23 -.0008 R13 -.6587
 SGI 922.4 SG2 481.7 TMA 3.71

ORBIT DETERMINATION ACCURACY

ST 343.0 SR 443.4 SS 327.1
 CRT -.6489 CRS -.6791 CST .9972
 LSA 592.1 MSA 265.5 SSA 14.9
 EL1 513.3 EL2 225.5 ALF 124.10

LAUNCH DATE APR 14 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 1 1967

HELIOCENTRIC CONIC

DISTANCE 140.958

RL 150.04 LAL -.00 LOL 203.37 VL 16.303 GAL 33.50 AZL 88.52 MCA 37.63 SMA 88.28 ECC .80305 INC 1.4783 V1 29.698
 RP 108.46 LAP .90 LOP 247.99 VP 30.725 GAP -52.26 AZP 88.83 TAL 170.08 TAP 207.71 RCA 17.39 APO 159.18 V2 34.941
 RC 93.418 GL 1.10 GP 2.84 ZAL 62.16 ZAP 33.54 ETS 187.53 ZAE 130.70 ETE 178.04 ZAC 160.74 ETC 65.86 CLP 33.44

PLANETOCENTRIC CONIC

C3 331.830 VML 18.216 CLA 15.47 RAL 143.97 RAD 6571.9 VEL 21.287 PTH 3.20 VMP 29.419 DPA 27.26 RAP 94.72 ECC 6.4611
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 27 34 3303.10 -24.51 117.88 55.28 75.35 6 22 37 2703.1 -26.28 109.66
 90.00 21 32 15 4941.64 21.49 215.76 41.84 71.11 22 54 37 4341.6 18.72 208.19
 100.00 6 57 24 3013.42 -26.32 97.10 55.80 75.30 7 47 37 2413.4 -28.08 88.74
 100.00 22 45 6 4706.56 23.27 197.82 41.18 70.68 24 3 33 4106.6 20.42 190.18
 110.00 8 24 31 2740.80 -31.11 77.84 57.25 75.05 9 10 12 2140.8 -32.84 69.04
 110.00 23 34 28 4551.93 27.92 184.22 39.31 69.42 24 50 20 3951.9 24.86 176.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8671 TRA-2.4384 TC3 -.1278 BAU .5670 SGT 961.5 SGR 489.8 SG3 27.4 ST 362.7 SR 446.2 SS 344.4
 ROE-1.4044 RRA -.6480 RC3 .0020 FAU .01064 RRT .0945 RRF -.0870 RTF -.6748 CRT -.6507 CRS -.6847 CST .9971
 FDE -.3366 FRA .8630 FC3 -.0278 BSP 2432 SGB 1079.0 R23 -.0012 R13 -.6752 LSA 612.7 MSA 271.3 SSA 15.1
 BOE 1.6505 BRA 2.5230 BC3 .1278 FSP -59 SG1 963.0 SG2 486.8 TMA 3.71 EL1 525.3 EL2 234.0 ALF 126.11

LAUNCH DATE APR 14 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 3 1967

HELIOCENTRIC CONIC

DISTANCE 146.396

RL 150.04 LAL -.00 LOL 203.37 VL 16.999 GAL 31.96 AZL 88.90 MCA 40.81 SMA 89.67 ECC .77881 INC 1.1004 V1 29.698
 RP 108.50 LAP .72 LOP 244.17 VP 31.086 GAP -50.09 AZP 89.17 TAL 169.14 TAP 209.95 RCA 19.83 APO 159.50 V2 34.929
 RC 91.019 GL .91 GP 2.91 ZAL 60.88 ZAP 32.12 ETS 187.85 ZAE 130.71 ETE 177.64 ZAC 159.82 ETC 61.59 CLP 32.00

PLANETOCENTRIC CONIC

C3 305.813 VML 17.488 CLA 14.88 RAL 145.15 RAD 6571.8 VEL 20.667 PTH 3.17 VMP 28.412 DPA 27.36 RAP 96.69 ECC 6.0329
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 37 47 3272.30 -25.02 115.77 55.60 76.29 6 32 19 2672.3 -26.66 107.48
 90.00 21 31 28 4953.70 21.76 216.55 42.48 71.42 22 54 2 4353.7 19.02 208.95
 100.00 7 7 10 2984.06 -26.81 95.05 56.09 76.26 7 56 54 2384.1 -28.44 86.63
 100.00 22 44 46 4717.18 23.50 198.52 41.84 70.98 24 3 23 4117.2 20.69 190.85
 110.00 8 33 21 2714.38 -31.55 75.91 57.42 76.11 9 18 36 2114.4 -33.14 67.04
 110.00 23 35 4 4559.62 28.10 184.74 40.01 69.68 24 51 4 3959.6 25.08 176.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8838 TRA-2.4644 TC3 -.1357 BAU .5549 SGT 1003.5 SGR 494.7 SG3 29.4 ST 383.2 SR 448.5 SS 362.1
 ROE-1.3540 RRA -.6449 RC3 .0028 FAU .01066 RRT .0988 RRF -.0924 RTF -.6907 CRT -.6519 CRS -.6888 CST .9970
 FDE -.3549 FRA .8921 FC3 -.0302 BSP 2580 SGB 1118.8 R23 -.0017 R13 -.6911 LSA 634.3 MSA 276.8 SSA 15.3
 BOE 1.6170 BRA 2.5474 BC3 .1357 FSP -65 SG1 1005.1 SG2 491.4 TMA 3.70 EL1 537.8 EL2 242.3 ALF 128.20

LAUNCH DATE APR 14 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 5 1967

HELIOCENTRIC CONIC

DISTANCE 151.953

RL 150.04 LAL -.00 LOL 203.37 VL 17.658 GAL 30.54 AZL 89.23 MCA 43.98 SMA 91.07 ECC .75447 INC .7686 V1 29.698
 RP 108.53 LAP .53 LOP 247.35 VP 31.438 GAP -48.03 AZP 89.45 TAL 168.20 TAP 212.18 RCA 22.36 APO 159.78 V2 34.917
 RC 88.632 GL .70 GP 2.99 ZAL 59.65 ZAP 30.72 ETS 188.21 ZAE 130.78 ETE 177.21 ZAC 158.77 ETC 57.68 CLP 30.58

PLANETOCENTRIC CONIC

C3 281.898 VML 16.790 CLA 14.27 RAL 146.28 RAD 6571.6 VEL 20.080 PTH 3.14 VMP 27.436 DPA 27.44 RAP 98.68 ECC 5.6393
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 47 45 3241.05 -25.51 113.61 55.81 77.27 6 41 46 2641.1 -27.01 105.26
 90.00 21 30 31 4965.19 22.00 217.30 43.04 71.71 22 53 16 4365.2 19.30 209.67
 100.00 7 16 41 2954.20 -27.28 92.96 56.25 77.27 8 5 56 2354.2 -28.76 84.46
 100.00 22 44 15 4727.27 23.73 199.18 42.42 71.26 24 3 3 4127.3 20.95 191.49
 110.00 8 41 58 2687.40 -31.98 73.92 57.48 77.22 9 26 45 2087.4 -33.40 64.98
 110.00 23 35 29 4566.84 28.27 185.23 40.64 69.93 24 51 35 3966.8 25.28 177.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8994 TRA-2.4911 TC3 -.1439 BAU .5425 SGT 1047.4 SGR 499.0 SG3 31.6 ST 404.5 SR 450.0 SS 380.3
 ROE-1.3038 RRA -.6405 RC3 .0038 FAU .01070 RRT .1055 RRF -.0980 RTF -.7061 CRT -.6523 CRS -.6942 CST .9968
 FDE -.3735 FRA .9216 FC3 -.0329 BSP 2719 SGB 1160.2 R23 -.0021 R13 -.7065 LSA 656.6 MSA 281.8 SSA 15.5
 BOE 1.5839 BRA 2.5721 BC3 .1439 FSP -70 SG1 1049.1 SG2 495.4 TMA 3.70 EL1 550.9 EL2 250.5 ALF 130.35

LAUNCH DATE APR 14 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 7 1967

HELIOCENTRIC CONIC

DISTANCE 157.622

RL 150.04 LAL -.00 LOL 203.37 VL 18.281 GAL 29.21 AZL 89.53 MCA 47.16 SMA 92.49 ECC .73016 INC .4728 V1 29.698
 RP 108.57 LAP .35 LOP 250.53 VP 31.779 GAP -46.06 AZP 89.68 TAL 167.27 TAP 214.43 RCA 24.96 APO 160.02 V2 34.905
 RC 86.259 GL .47 GP 3.08 ZAL 58.46 ZAP 29.34 ETS 188.62 ZAE 130.91 ETE 176.74 ZAC 157.62 ETC 54.12 CLP 29.19

PLANETOCENTRIC CONIC

C3 259.895 VML 16.121 CLA 13.66 RAL 147.36 RAD 6571.5 VEL 19.525 PTH 3.11 VMP 26.489 DPA 27.51 RAP 100.70 ECC 5.2772
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 57 27 3209.32 -25.96 111.40 55.90 78.28 6 50 56 2609.3 -27.32 102.99
 90.00 21 29 24 4976.09 22.24 218.02 43.52 72.00 22 52 20 4376.1 19.57 210.36
 100.00 7 25 59 2923.82 -27.71 90.80 56.30 78.33 8 14 42 2323.8 -29.04 82.25
 100.00 22 43 34 4736.82 23.93 199.82 42.92 71.54 24 2 30 4136.8 21.19 192.10
 110.00 8 50 21 2659.82 -32.37 71.86 57.41 78.37 9 34 41 2059.8 -33.64 62.86
 110.00 23 35 41 4573.58 28.43 185.70 41.18 70.16 24 51 54 3973.6 25.46 177.78

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .9149 TRA-2.5171 TC3 -.1522 BAU .5292 SGT 1092.8 SGR 502.7 SG3 33.9 ST 426.9 SR 451.0 SS 398.9
 ROE-1.2537 RRA -.6349 RC3 .0049 FAU .01076 RRT .1112 RRF -.1039 RTF -.7209 CRT -.6527 CRS -.6983 CST .9966
 FDE -.3926 FRA .9517 FC3 -.0358 BSP 2880 SGB 1202.9 R23 -.0027 R13 -.7213 LSA 680.1 MSA 286.3 SSA 15.7
 BOE 1.5520 BRA 2.5959 BC3 .1523 FSP -76 SG1 1094.6 SG2 498.8 TMA 3.70 EL1 564.7 EL2 258.3 ALF 132.59

LAUNCH DATE APR 14 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 9 1967

HELIOCENTRIC CONIC
 RL 150.04 LAL -.00 LOL 203.37 VL 18.869 GAL 27.97 AZL 89.79 HCA 50.34 SMA 93.92 ECC .70598 INC .2061 V1 29.698
 RP 108.60 LAP .16 LOP 253.71 VP 32.109 GAP -44.19 AZP 89.87 TAL 166.34 TAP 216.68 RCA 27.61 APO 160.23 V2 34.894
 RC 83.901 GL .22 GP 3.17 ZAL 57.31 ZAP 27.98 ETS 189.07 ZAE 131.11 ETE 176.24 ZAC 156.38 ETC 50.89 CLP 27.81

PLANETOCENTRIC CONIC
 C3 239.640 VML 15.480 DLA 13.04 RAL 148.38 RAD 6571.4 VEL 18.999 PTH 3.08 VMP 25.570 DPA 27.55 RAP 102.73 ECC 4.9439
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 6 55 3177.05 -26.39 109.13 55.87 79.34 6 59 52 2577.0 -27.59 100.67
 90.00 21 28 6 4986.43 22.45 218.70 43.92 72.28 22 51 13 4386.4 19.82 211.02
 100.00 7 35 2 2892.87 -28.12 88.59 56.23 79.42 8 23 15 2292.9 -29.29 79.98
 100.00 22 42 40 4745.84 24.13 200.42 43.33 71.80 24 1 46 4145.8 21.41 192.67
 110.00 8 58 31 2631.62 -32.74 69.75 57.22 79.58 9 42 23 2031.6 -33.83 60.68
 110.00 23 35 40 4579.85 28.57 186.13 41.63 70.38 24 52 0 3979.9 25.63 178.19

DIFFERENTIAL CORRECTIONS
 TDE .9291 TRA-2.5431 TC3 -.1608 BAU .5157
 RDE-1.2039 RRA -.6281 RC3 .0063 FAU .01082
 FDE -.4120 FRA .9825 FC3 -.0391 BSP 3036
 BDE 1.5207 BRA 2.6195 BC3 .1610 FSP -83

MID-COURSE EXECUTION ACCURACY
 SGT 1140.1 SGR 505.8 SG3 36.4
 RRT .1174 RRF -.1102 RTF -.7351
 SGB 1247.2 R23 -.0033 R13 -.7355
 SGI 1142.0 SG2 501.5 TMA 3.69

ORBIT DETERMINATION ACCURACY
 ST 450.0 SR 451.3 SS 418.1
 CRT -.6524 CRS -.7018 CST .9964
 LSA 704.5 MSA 290.4 SSA 15.9
 EL1 579.3 EL2 265.7 ALF 134.87

LAUNCH DATE APR 14 1967

FLIGHT TIME 88.00

ARRIVAL DATE JUL 11 1967

HELIOCENTRIC CONIC
 RL 150.04 LAL -.00 LOL 203.37 VL 19.426 GAL 26.80 AZL 90.04 HCA 53.51 SMA 95.36 ECC .68205 INC .0305 V1 29.698
 RP 108.64 LAP -.03 LOP 256.88 VP 32.427 GAP -42.40 AZP 90.02 TAL 165.42 TAP 218.93 RCA 30.32 APO 160.40 V2 34.883
 RC 81.561 GL -.04 GP 3.27 ZAL 56.21 ZAP 26.64 ETS 189.58 ZAE 131.36 ETE 175.70 ZAC 155.05 ETC 47.98 CLP 26.46

PLANETOCENTRIC CONIC
 C3 220.985 VML 14.866 DLA 12.42 RAL 149.36 RAD 6571.3 VEL 18.501 PTH 3.04 VMP 24.677 DPA 27.58 RAP 104.79 ECC 4.6369
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 16 9 3144.20 -26.78 106.80 55.72 80.44 7 8 33 2544.2 -27.83 98.29
 90.00 21 26 37 4996.22 22.65 219.35 44.24 72.54 22 49 54 4396.2 20.05 211.64
 100.00 7 43 52 2861.31 -28.50 86.32 56.04 80.56 8 31 33 2261.3 -29.50 77.66
 100.00 22 41 36 4754.35 24.31 200.99 43.66 72.04 24 0 50 4154.3 21.62 193.22
 110.00 9 6 29 2602.77 -33.08 67.56 56.92 80.83 9 49 52 2002.8 -33.99 58.44
 110.00 23 35 27 4585.65 28.70 186.53 42.00 70.59 24 51 53 3985.7 25.79 178.56

DIFFERENTIAL CORRECTIONS
 TDE .9431 TRA-2.5684 TC3 -.1695 BAU .5014
 RDE-1.1543 RRA -.6203 RC3 .0078 FAU .01091
 FDE -.4321 FRA 1.0139 FC3 -.0427 BSP 3207
 BDE 1.4905 BRA 2.6422 BC3 .1697 FSP -90

MID-COURSE EXECUTION ACCURACY
 SGT 1189.0 SGR 508.3 SG3 39.0
 RRT .1237 RRF -.1168 RTF -.7488
 SGB 1293.1 R23 -.0040 R13 -.7492
 SGI 1191.0 SG2 503.6 TMA 3.69

ORBIT DETERMINATION ACCURACY
 ST 474.2 SR 450.9 SS 437.8
 CRT -.6519 CRS -.7050 CST .9961
 LSA 730.2 MSA 293.9 SSA 16.0
 EL1 594.9 EL2 272.5 ALF 137.21

LAUNCH DATE APR 14 1967

FLIGHT TIME 90.00

ARRIVAL DATE JUL 13 1967

HELIOCENTRIC CONIC
 RL 150.04 LAL -.00 LOL 203.37 VL 19.951 GAL 25.69 AZL 90.26 HCA 56.68 SMA 96.80 ECC .65844 INC .2595 V1 29.698
 RP 108.67 LAP -.22 LOP 260.05 VP 32.734 GAP -40.68 AZP 90.14 TAL 164.52 TAP 221.20 RCA 33.06 APO 160.54 V2 34.872
 RC 79.241 GL -.33 GP 3.38 ZAL 55.14 ZAP 25.33 ETS 190.16 ZAE 131.68 ETE 175.12 ZAC 153.65 ETC 45.33 CLP 25.11

PLANETOCENTRIC CONIC
 C3 203.797 VML 14.276 DLA 11.79 RAL 150.28 RAD 6571.1 VEL 18.031 PTH 3.01 VMP 23.810 DPA 27.58 RAP 106.86 ECC 4.3540
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 25 10 3110.73 -27.14 104.42 55.46 81.59 7 17 1 2510.7 -28.02 95.86
 90.00 21 24 57 5005.50 22.84 219.96 44.47 72.79 22 48 23 4405.5 20.27 212.23
 100.00 7 52 29 2829.10 -28.83 83.99 55.74 81.75 8 39 39 2229.1 -29.67 75.28
 100.00 22 40 19 4762.37 24.47 201.52 43.91 72.28 23 59 41 4162.4 21.82 193.73
 110.00 9 14 16 2573.22 -33.37 65.31 56.49 82.13 9 57 9 1973.2 -34.10 56.14
 110.00 23 35 2 4591.00 28.82 186.90 42.29 70.77 24 51 33 3991.0 25.93 178.91

DIFFERENTIAL CORRECTIONS
 TDE .9562 TRA-2.5929 TC3 -.1784 BAU .4867
 RDE-1.1050 RRA -.6115 RC3 .0096 FAU .01101
 FDE -.4526 FRA 1.0461 FC3 -.0468 BSP 3385
 BDE 1.4612 BRA 2.6640 BC3 .1786 FSP -98

MID-COURSE EXECUTION ACCURACY
 SGT 1239.7 SGR 510.2 SG3 41.9
 RRT .1303 RRF -.1238 RTF -.7619
 SGB 1340.6 R23 -.0048 R13 -.7623
 SGI 1241.8 SG2 505.0 TMA 3.68

ORBIT DETERMINATION ACCURACY
 ST 499.2 SR 449.8 SS 458.0
 CRT -.6511 CRS -.7078 CST .9958
 LSA 756.9 MSA 296.9 SSA 16.2
 EL1 611.4 EL2 278.7 ALF 139.55

LAUNCH DATE APR 14 1967

FLIGHT TIME 92.00

ARRIVAL DATE JUL 15 1967

HELIOCENTRIC CONIC
 RL 150.04 LAL -.00 LOL 203.37 VL 20.448 GAL 24.64 AZL 90.47 HCA 59.85 SMA 98.24 ECC .63522 INC .4676 V1 29.698
 RP 108.70 LAP -.40 LOP 263.22 VP 33.028 GAP -39.04 AZP 90.23 TAL 163.62 TAP 223.48 RCA 35.83 APO 160.64 V2 34.862
 RC 76.944 GL -.63 GP 3.50 ZAL 54.12 ZAP 24.03 ETS 190.83 ZAE 132.08 ETE 174.49 ZAC 152.18 ETC 42.99 CLP 23.79

PLANETOCENTRIC CONIC
 C3 187.957 VML 13.710 DLA 11.14 RAL 151.15 RAD 6571.0 VEL 17.586 PTH 2.97 VMP 22.968 DPA 27.57 RAP 108.94 ECC 4.0933
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 33 58 3076.60 -27.45 101.97 55.07 82.78 7 25 15 2476.6 -28.17 93.38
 90.00 21 23 5 5014.29 23.02 220.54 44.63 73.03 22 46 39 4414.3 20.48 212.79
 100.00 8 0 55 2796.20 -29.13 81.59 55.31 82.98 8 47 31 2196.2 -29.80 72.84
 100.00 22 38 49 4769.92 24.63 202.03 44.08 72.50 23 58 19 4169.9 22.00 194.22
 110.00 9 21 51 2542.96 -33.63 62.98 55.94 83.49 10 4 14 1943.0 -34.17 53.78
 110.00 23 34 23 4595.92 28.93 187.24 42.49 70.95 24 50 59 3995.9 26.06 179.24

DIFFERENTIAL CORRECTIONS
 TDE .9691 TRA-2.6160 TC3 -.1872 BAU .4713
 RDE-1.0560 RRA -.6019 RC3 .0116 FAU .01113
 FDE -.4739 FRA 1.0790 FC3 -.0513 BSP 3580
 BDE 1.4333 BRA 2.6844 BC3 .1876 FSP -106

MID-COURSE EXECUTION ACCURACY
 SGT 1292.0 SGR 511.4 SG3 44.9
 RRT .1372 RRF -.1312 RTF -.7746
 SGB 1389.5 R23 -.0058 R13 -.7749
 SGI 1294.2 SG2 505.7 TMA 3.67

ORBIT DETERMINATION ACCURACY
 ST 525.4 SR 448.0 SS 478.9
 CRT -.6503 CRS -.7103 CST .9956
 LSA 785.1 MSA 299.2 SSA 16.4
 EL1 629.3 EL2 284.2 ALF 141.91

LAUNCH DATE APR 14 1967

FLIGHT TIME 94.00

ARRIVAL DATE JUL 17 1967

HELIOCENTRIC CONIC

DISTANCE 187.412

RL 150.04 LAL -.00 LOL 203.37 VL 20.916 GAL 23.64 AZL 90.66 HCA 63.02 SMA 99.67 ECC .61247 INC .6624 V1 29.69R
 RP 108.73 LAP -.59 LOP 266.39 VP 33.310 GAP -37.46 AZP 90.30 TAL 162.75 TAP 225.77 RCA 38.62 APO 160.71 V2 34.853
 RC 74.673 GL -.96 GP 3.63 ZAL 53.15 ZAP 22.75 ETS 191.59 ZAE 132.54 ETE 173.80 ZAC 150.66 ETC 40.86 CLP 22.47

PLANETOCENTRIC CONIC

C3 173.357 VML 13.167 DLA 10.49 RAL 151.96 RAD 6570.9 VEL 17.166 PTH 2.94 VMP 22.149 DPA 27.54 RAP 111.04 ECC 3.8530
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 42 35 3041.75 -27.73 99.46 54.57 84.01 7 33 17 2441.8 -28.27 90.83
 90.00 21 20 59 5022.64 23.18 221.10 44.69 73.27 22 44 42 4422.6 20.67 213.33
 100.00 8 9 9 2762.57 -29.38 79.12 54.77 84.25 8 55 12 2162.6 -29.87 70.35
 100.00 22 37 6 4777.05 24.77 202.51 44.16 72.72 23 56 43 4177.0 22.17 194.68
 110.00 9 29 14 2511.95 -33.84 60.59 55.26 84.89 10 11 6 1911.9 -34.18 51.36
 110.00 23 33 30 4600.44 29.03 187.55 42.60 71.11 24 50 11 4000.4 26.18 179.53

DIFFERENTIAL CORRECTIONS

TOE .9817 TRA-2.6375 TC3 -.1960 BAU .4553
 RDE -1.0075 RRA -.5915 RC3 .0139 FAU .01127
 FDE -1.4959 FRA 1.1127 FC3 -.0563 BSP 3796
 BDE 1.4068 BRA 2.7030 BC3 .1964 FSP -116

MID-COURSE EXECUTION ACCURACY

SGT 1345.8 SGR 511.9 SG3 48.2
 RRT .1443 RRF -.1391 RTF -.7867
 SGB 1439.9 R23 -.0070 R13 -.7871
 SGI 1348.2 SG2 505.7 TMA 3.66

ORBIT DETERMINATION ACCURACY

ST 552.6 SR 445.4 SS 500.5
 CRT -.6493 CRS -.7125 CST .9953
 LSA 814.6 MSA 300.8 SSA 16.5
 EL1 648.4 EL2 288.7 ALF 144.25

LAUNCH DATE APR 14 1967

FLIGHT TIME 96.00

ARRIVAL DATE JUL 19 1967

HELIOCENTRIC CONIC

DISTANCE 193.617

RL 150.04 LAL -.00 LOL 203.37 VL 21.359 GAL 22.68 AZL 90.85 HCA 66.19 SMA 101.09 ECC .59022 INC .8462 V1 29.69R
 RP 108.76 LAP -.77 LOP 269.56 VP 33.580 GAP -35.95 AZP 90.34 TAL 161.89 TAP 228.08 RCA 41.42 APO 160.75 V2 34.844
 RC 72.433 GL -1.32 GP 3.77 ZAL 52.21 ZAP 21.49 ETS 192.46 ZAE 133.07 ETE 173.05 ZAC 149.08 ETC 38.93 CLP 21.17

PLANETOCENTRIC CONIC

C3 159.904 VML 12.645 DLA 9.83 RAL 152.73 RAD 6570.7 VEL 16.770 PTH 2.90 VMP 21.353 DPA 27.49 RAP 113.15 ECC 3.6316
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 51 1 3006.15 -27.95 96.88 53.96 85.28 7 41 7 2406.2 -28.31 88.23
 90.00 21 18 40 5030.60 23.34 221.63 44.68 73.49 22 42 31 4430.6 20.85 213.84
 100.00 8 17 12 2728.18 -29.59 76.58 54.11 85.57 9 2 40 2128.2 -29.89 67.79
 100.00 22 35 10 4783.80 24.91 202.97 44.16 72.92 23 54 54 4183.8 22.34 195.12
 110.00 9 36 28 2480.15 -34.01 58.12 54.47 86.34 10 17 48 1880.1 -34.14 48.87
 110.00 23 32 24 4804.60 29.13 187.84 42.63 71.26 24 49 8 4004.6 26.29 179.81

DIFFERENTIAL CORRECTIONS

TOE .9891 TRA-2.6624 TC3 -.2058 BAU .4413
 RDE -.9596 RRA -.5805 RC3 .0164 FAU .01141
 FDE -.5180 FRA 1.1482 FC3 -.0618 BSP 3909
 BDE 1.3781 BRA 2.7249 BC3 .2064 FSP -125

MID-COURSE EXECUTION ACCURACY

SGT 1403.8 SGR 511.9 SG3 51.7
 RRT .1535 RRF -.1482 RTF -.7978
 SGB 1494.2 R23 -.0076 R13 -.7982
 SGI 1406.3 SG2 504.9 TMA 3.68

ORBIT DETERMINATION ACCURACY

ST 579.6 SR 442.1 SS 522.5
 CRT -.6457 CRS -.7137 CST .9947
 LSA 844.2 MSA 302.5 SSA 16.6
 EL1 667.5 EL2 293.2 ALF 146.50

LAUNCH DATE APR 14 1967

FLIGHT TIME 98.00

ARRIVAL DATE JUL 21 1967

HELIOCENTRIC CONIC

DISTANCE 199.890

RL 150.04 LAL -.00 LOL 203.37 VL 21.776 GAL 21.78 AZL 91.02 HCA 69.36 SMA 102.49 ECC .58853 INC 1.0214 V1 29.69R
 RP 108.79 LAP -.96 LOP 272.73 VP 33.839 GAP -34.49 AZP 90.36 TAL 161.04 TAP 230.40 RCA 44.22 APO 160.76 V2 34.835
 RC 70.227 GL -1.70 GP 3.93 ZAL 51.32 ZAP 20.24 ETS 193.48 ZAE 133.69 ETE 172.23 ZAC 147.46 ETC 37.20 CLP 19.87

PLANETOCENTRIC CONIC

C3 147.511 VML 12.145 DLA 9.15 RAL 153.44 RAD 6570.6 VEL 16.396 PTH 2.86 VMP 20.581 DPA 27.43 RAP 115.27 ECC 3.4277
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 59 17 2969.75 -28.13 94.23 53.23 86.60 7 48 46 2369.8 -28.30 85.57
 90.00 21 16 6 5038.24 23.48 222.15 44.58 73.71 22 40 5 4438.2 21.03 214.33
 100.00 8 25 6 2692.97 -29.75 73.98 53.33 86.93 9 9 59 2093.0 -29.86 65.17
 100.00 22 32 58 4790.25 25.04 203.40 44.07 73.11 23 52 49 4190.2 22.49 195.53
 110.00 9 43 32 2447.53 -34.12 55.58 53.57 87.84 10 24 19 1847.5 -34.05 46.33
 110.00 23 31 2 4608.45 29.21 188.11 42.57 71.40 24 47 50 4008.4 26.39 180.06

DIFFERENTIAL CORRECTIONS

TOE .9860 TRA-2.6956 TC3 -.2183 BAU .4322
 RDE -.9124 RRA -.5693 RC3 .0193 FAU .01150
 FDE -.5395 FRA 1.1861 FC3 -.0675 BSP 3797
 BDE 1.3434 BRA 2.7550 BC3 .2191 FSP -131

MID-COURSE EXECUTION ACCURACY

SGT 1468.5 SGR 511.3 SG3 55.5
 RRT .1668 RRF -.1592 RTF -.8070
 SGB 1555.0 R23 -.0068 R13 -.8074
 SGI 1471.3 SG2 503.2 TMA 3.77

ORBIT DETERMINATION ACCURACY

ST 604.9 SR 438.1 SS 544.3
 CRT -.6366 CRS -.7133 CST .9937
 LSA 872.2 MSA 305.1 SSA 16.9
 EL1 684.7 EL2 298.5 ALF 148.64

LAUNCH DATE APR 14 1967

FLIGHT TIME 100.00

ARRIVAL DATE JUL 23 1967

HELIOCENTRIC CONIC

DISTANCE 206.230

RL 150.04 LAL -.00 LOL 203.37 VL 22.170 GAL 20.91 AZL 91.19 HCA 72.53 SMA 103.88 ECC .54744 INC 1.1892 V1 29.69R
 RP 108.81 LAP -1.13 LOP 275.89 VP 34.086 GAP -33.09 AZP 90.36 TAL 160.22 TAP 232.74 RCA 47.01 APO 160.75 V2 34.827
 RC 68.060 GL -2.11 GP 4.10 ZAL 50.47 ZAP 19.02 ETS 194.67 ZAE 134.38 ETE 171.34 ZAC 145.80 ETC 35.62 CLP 18.59

PLANETOCENTRIC CONIC

C3 136.104 VML 11.666 DLA 8.46 RAL 154.11 RAD 6570.5 VEL 16.045 PTH 2.83 VMP 19.830 DPA 27.35 RAP 117.40 ECC 3.2399
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 7 24 2932.51 -28.25 91.51 52.39 87.96 7 56 16 2332.5 -28.23 82.85
 90.00 21 13 17 5045.65 23.62 222.64 44.40 73.92 22 37 23 4445.6 21.19 214.81
 100.00 8 32 50 2656.92 -29.85 71.30 52.45 88.34 9 17 7 2056.9 -29.76 62.50
 100.00 22 30 32 4796.47 25.16 203.82 43.90 73.30 23 50 28 4196.5 22.63 195.94
 110.00 9 50 26 2414.08 -34.18 52.96 52.55 89.39 10 30 40 1814.1 -33.89 43.73
 110.00 23 29 25 4612.08 29.29 188.36 42.43 71.53 24 46 17 4012.1 26.49 180.30

DIFFERENTIAL CORRECTIONS

TOE .9492 TRA-2.7607 TC3 -.2410 BAU .4404
 RDE -.8666 RRA -.5584 RC3 .0223 FAU .01137
 FDE -.5568 FRA 1.2305 FC3 -.0723 BSP 2896
 BDE 1.2853 BRA 2.8166 BC3 .2420 FSP -128

MID-COURSE EXECUTION ACCURACY

SGT 1553.2 SGR 510.6 SG3 59.6
 RRT .1921 RRF -.1753 RTF -.8115
 SGB 1635.0 R23 -.0014 R13 -.8117
 SGI 1556.7 SG2 500.0 TMA 4.03

ORBIT DETERMINATION ACCURACY

ST 621.9 SR 433.7 SS 564.1
 CRT -.6090 CRS -.7083 CST .9904
 LSA 891.6 MSA 312.6 SSA 17.4
 EL1 692.3 EL2 309.0 ALF 150.58

LAUNCH DATE APR 14 1967

FLIGHT TIME 102.00

ARRIVAL DATE JUL 25 1967

HELIOCENTRIC CONIC

DISTANCE 212.616

RL 150.04 LAL -0.00 LOL 203.37 VL 22.542 GAL 20.08 AZL 91.35 MCA 75.69 SMA 105.25 ECC .52691 INC 1.3513 V1 29.698
 RP 108.83 LAP -1.31 LOP 279.06 VP 34.321 GAP -31.74 AZP 90.33 TAL 159.42 TAP 235.11 RCA 49.79 APO 160.71 V2 34.820
 RC 65.936 GL -2.55 GP 4.28 ZAL 49.68 ZAP 17.82 ETS 196.08 ZAE 135.16 ETE 170.35 ZAC 144.11 ETC 34.20 CLP 17.31

PLANETOCENTRIC CONIC

C3 125.551 VML 11.205 DLA 7.76 RAL 154.71 RAD 6570.3 VEL 15.713 PTH 2.79 VMP 19.099 DPA 27.26 RAP 119.52 ECC 3.0662
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 15 20 2894.37 -28.31 88.72 51.43 89.36 8 3 34 2294.4 -28.10 80.06
 90.00 21 10 11 5052.76 23.76 223.12 44.13 74.12 22 34 24 4452.8 21.35 215.28
 100.00 8 40 24 2619.97 -29.89 68.56 51.44 89.78 9 24 4 2020.0 -29.60 59.76
 100.00 22 27 47 4802.39 25.28 204.23 43.65 73.49 23 47 50 4202.4 22.77 196.32
 110.00 9 57 10 2379.72 -34.17 50.28 51.41 90.97 10 36 50 1779.7 -33.66 41.07
 110.00 23 27 31 4615.40 29.36 188.60 42.20 71.65 24 44 26 4015.4 26.57 180.52

DIFFERENTIAL CORRECTIONS

TOE 1.0556 TRA-2.6788 TC3 -.2198 BAU .3716
 ROE -.8178 RRA -.5439 RC3 .0267 FAU .01229
 FDE -.5975 FRA 1.2540 FC3 -.0847 BSP 5462
 BDE 1.3354 BRA 2.7335 BC3 .2214 FSP -172

MID-COURSE EXECUTION ACCURACY

SGT 1563.7 SGR 507.2 SG3 64.0
 RRT .1675 RRF -.1737 RTF -.8344
 SGB 1643.9 R23 -.0184 R13 -.8349
 SGI 1566.3 SG2 499.2 TMA 3.46

ORBIT DETERMINATION ACCURACY

ST 680.9 SR 426.6 SS 597.4
 CRT -.6570 CRS -.7214 CST .9953
 LSA 956.2 MSA 296.5 SSA 16.7
 EL1 748.3 EL2 292.6 ALF 153.21

LAUNCH DATE APR 14 1967

FLIGHT TIME 104.00

ARRIVAL DATE JUL 27 1967

HELIOCENTRIC CONIC

DISTANCE 219.063

RL 150.04 LAL -0.00 LOL 203.37 VL 22.892 GAL 19.29 AZL 91.51 MCA 78.85 SMA 106.59 ECC .50706 INC 1.5088 V1 29.698
 RP 108.85 LAP -1.48 LOP 282.22 VP 34.545 GAP -30.45 AZP 90.29 TAL 158.64 TAP 237.49 RCA 52.54 APO 160.64 V2 34.813
 RC 63.861 GL -3.03 GP 4.48 ZAL 48.92 ZAP 16.64 ETS 197.74 ZAE 136.02 ETE 169.26 ZAC 142.39 ETC 32.91 CLP 16.04

PLANETOCENTRIC CONIC

C3 115.871 VML 10.764 DLA 7.03 RAL 155.27 RAD 6570.2 VEL 15.402 PTH 2.75 VMP 18.390 DPA 27.15 RAP 121.66 ECC 2.9069
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 23 10 2855.31 -28.31 85.87 50.37 90.79 8 10 45 2255.3 -27.90 77.22
 90.00 21 6 47 5059.89 23.89 223.60 43.79 74.33 22 31 7 4459.9 21.51 215.74
 100.00 8 47 52 2582.10 -29.87 65.74 50.34 91.26 9 30 54 1982.1 -29.37 56.97
 100.00 22 24 46 4808.32 25.39 204.63 43.32 73.67 23 44 54 4208.3 22.91 196.71
 110.00 10 3 48 2344.47 -34.10 47.53 50.17 92.60 10 42 52 1744.5 -33.36 38.37
 110.00 23 25 20 4618.72 29.43 188.83 41.90 71.77 24 42 18 4018.7 26.66 180.74

DIFFERENTIAL CORRECTIONS

TDE 1.0520 TRA-2.7054 TC3 -.2310 BAU .3611
 ROE -.7723 RRA -.5317 RC3 .0308 FAU .01246
 FDE -.6225 FRA 1.2957 FC3 -.0931 BSP 5403
 BDE 1.3050 BRA 2.7572 BC3 .2331 FSP -182

MID-COURSE EXECUTION ACCURACY

SGT 1632.8 SGR 504.7 SG3 68.7
 RRT .1827 RRF -.1874 RTF -.8423
 SGB 1709.1 R23 -.0182 R13 -.8428
 SGI 1635.7 SG2 495.3 TMA 3.56

ORBIT DETERMINATION ACCURACY

ST 709.4 SR 419.9 SS 622.1
 CRT -.6479 CRS -.7200 CST .9944
 LSA 989.0 MSA 296.9 SSA 16.9
 EL1 769.8 EL2 294.7 ALF 155.13

LAUNCH DATE APR 14 1967

FLIGHT TIME 106.00

ARRIVAL DATE JUL 29 1967

HELIOCENTRIC CONIC

DISTANCE 225.560

RL 150.04 LAL -0.00 LOL 203.37 VL 23.222 GAL 18.53 AZL 91.66 MCA 82.02 SMA 107.91 ECC .48786 INC 1.6628 V1 29.698
 RP 108.87 LAP -1.65 LOP 285.38 VP 34.759 GAP -29.20 AZP 90.23 TAL 157.88 TAP 239.89 RCA 55.27 APO 160.56 V2 34.807
 RC 61.839 GL -3.54 GP 4.70 ZAL 48.21 ZAP 15.49 ETS 199.72 ZAE 136.96 ETE 168.06 ZAC 140.64 ETC 31.74 CLP 14.77

PLANETOCENTRIC CONIC

C3 106.965 VML 10.342 DLA 6.29 RAL 155.77 RAD 6570.1 VEL 15.110 PTH 2.72 VMP 17.701 DPA 27.04 RAP 123.80 ECC 2.7604
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 30 53 2815.27 -28.23 82.94 49.22 92.25 8 17 49 2215.3 -27.62 74.33
 90.00 21 3 5 5067.05 24.02 224.09 43.37 74.54 22 27 32 4467.1 21.67 216.21
 100.00 8 55 13 2543.28 -29.77 62.86 49.14 92.78 9 37 36 1943.3 -29.07 54.12
 100.00 22 21 26 4814.29 25.50 205.04 42.91 73.86 23 41 40 4214.3 23.04 197.10
 110.00 10 10 18 2308.30 -33.95 44.72 48.84 94.26 10 48 46 1708.3 -32.99 35.61
 110.00 23 22 50 4622.03 29.50 189.06 41.52 71.89 24 39 52 4022.0 26.74 180.96

DIFFERENTIAL CORRECTIONS

TDE 1.0474 TRA-2.7306 TC3 -.2425 BAU .3504
 ROE -.7274 RRA -.5195 RC3 .0354 FAU .01265
 FDE -.6489 FRA 1.3392 FC3 -.1024 BSP 5345
 BDE 1.2752 BRA 2.7795 BC3 .2451 FSP -193

MID-COURSE EXECUTION ACCURACY

SGT 1704.2 SGR 501.6 SG3 73.9
 RRT .1989 RRF -.2022 RTF -.8498
 SGB 1776.5 R23 -.0183 R13 -.8502
 SGI 1707.4 SG2 490.6 TMA 3.65

ORBIT DETERMINATION ACCURACY

ST 738.5 SR 412.2 SS 647.8
 CRT -.6379 CRS -.7182 CST .9934
 LSA 1023.0 MSA 296.8 SSA 17.1
 EL1 792.3 EL2 295.9 ALF 157.01

LAUNCH DATE APR 14 1967

FLIGHT TIME 108.00

ARRIVAL DATE JUL 31 1967

HELIOCENTRIC CONIC

DISTANCE 232.098

RL 150.04 LAL -0.00 LOL 203.37 VL 23.533 GAL 17.81 AZL 91.81 MCA 85.18 SMA 109.20 ECC .46932 INC 1.8144 V1 29.698
 RP 108.89 LAP -1.81 LOP 288.54 VP 34.962 GAP -27.99 AZP 90.15 TAL 157.15 TAP 242.32 RCA 57.95 APO 160.46 V2 34.802
 RC 59.876 GL -4.09 GP 4.94 ZAL 47.55 ZAP 14.37 ETS 202.10 ZAE 137.99 ETE 166.71 ZAC 138.86 ETC 30.67 CLP 13.51

PLANETOCENTRIC CONIC

C3 98.772 VML 9.938 DLA 5.52 RAL 156.22 RAD 6569.9 VEL 14.836 PTH 2.68 VMP 17.032 DPA 26.92 RAP 125.93 ECC 2.6255
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 38 31 2774.23 -28.09 79.95 47.96 93.75 8 24 45 2174.2 -27.27 71.37
 90.00 20 59 1 5074.37 24.15 224.58 42.88 74.75 22 23 35 4474.4 21.83 216.68
 100.00 9 2 28 2503.45 -29.61 59.91 47.84 94.32 9 44 12 1903.4 -28.69 51.22
 100.00 22 17 45 4820.38 25.62 205.45 42.43 74.05 23 38 5 4220.4 23.18 197.50
 110.00 10 16 41 2271.16 -33.72 41.84 47.41 95.95 10 54 33 1671.2 -32.53 32.81
 110.00 23 20 1 4625.44 29.57 189.30 41.07 72.02 24 37 7 4025.4 26.83 181.19

DIFFERENTIAL CORRECTIONS

TDE 1.0573 TRA-2.7386 TC3 -.2480 BAU .3318
 ROE -.6828 RRA -.5070 RC3 .0407 FAU .01298
 FDE -.6793 FRA 1.3821 FC3 -.1138 BSP 5650
 BDE 1.2586 BRA 2.7851 BC3 .2513 FSP -210

MID-COURSE EXECUTION ACCURACY

SGT 1769.3 SGR 497.7 SG3 79.4
 RRT .2112 RRF -.2167 RTF -.8588
 SGB 1838.0 R23 -.0210 R13 -.8593
 SGI 1772.7 SG2 485.6 TMA 3.68

ORBIT DETERMINATION ACCURACY

ST 773.4 SR 403.4 SS 676.1
 CRT -.6348 CRS -.7176 CST .9931
 LSA 1063.7 MSA 293.7 SSA 17.1
 EL1 821.5 EL2 293.5 ALF 158.86

LAUNCH DATE APR 14 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 2 1967

HELIOCENTRIC CONIC

DISTANCE 238.676

RL 150.04 LAL -1.00 LOL 203.37 VL 23.825 GAL 17.11 AZL 91.96 MCA 88.34 SMA 110.46 ECC .45145 INC 1.9646 V1 29.698
 RP 108.90 LAP -1.96 LOP 291.71 VP 35.155 GAP -26.83 AZP 90.06 TAL 156.44 TAP 244.78 RCA 60.59 APO 160.33 V2 34.797
 RC 57.979 GL -4.69 GP 5.20 ZAL 46.95 ZAP 13.29 ETS 204.97 ZAE 139.11 ETE 165.20 ZAC 137.07 ETC 29.70 CLP 12.25

PLANETOCENTRIC CONIC

C3 91.248 VHL 9.552 OLA 4.73 RAL 156.61 RAD 6569.8 VEL 14.881 PTH 2.64 VMP 16.382 DPA 26.80 RAP 128.07 ECC 2.5017
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 46 4 2732.13 -27.86 76.89 46.62 95.27 8 31 36 2132.1 -26.84 68.37
 90.00 20 54 35 5082.00 24.29 225.10 42.32 74.98 22 19 17 4482.0 21.99 217.18
 100.00 9 9 38 2462.59 -29.36 56.90 46.46 95.89 9 50 41 1862.6 -28.23 48.27
 100.00 22 13 42 4826.77 25.74 205.89 41.88 74.25 23 34 9 4226.8 23.33 197.92
 110.00 10 22 59 2233.04 -33.42 38.91 45.89 97.66 11 0 12 1633.0 -32.00 29.96
 110.00 23 16 51 4629.08 29.65 189.56 40.55 72.15 24 34 0 4029.1 26.92 181.43

DIFFERENTIAL CORRECTIONS

TOE 1.0598 TRA-2.7517 TC3 -.2556 BAU .3169
 ROE -.6389 RRA -.4949 RC3 .0464 FAU .01328
 FDE -.7103 FRA 1.4281 FC3 -.1260 BSP 5792
 BOE 1.2375 BRA 2.7958 BC3 .2598 FSP -226

MID-COURSE EXECUTION ACCURACY

SGT 1839.9 SGR 493.4 SG3 85.5
 RRT .2274 RRF -.2338 RTF -.8664
 SGB 1904.9 R23 -.0231 R13 -.8669
 SG1 1843.6 SG2 479.5 TMA 3.74

ORBIT DETERMINATION ACCURACY

ST 806.9 SR 393.5 SS 704.9
 CRT -.6275 CRS -.7154 CST .9924
 LSA 1103.6 MSA 291.1 SSA 17.3
 EL1 849.2 EL2 291.1 ALF 160.62

LAUNCH DATE APR 14 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 4 1967

HELIOCENTRIC CONIC

DISTANCE 245.289

RL 150.04 LAL -1.00 LOL 203.37 VL 24.101 GAL 16.45 AZL 92.11 MCA 91.50 SMA 111.69 ECC .43426 INC 2.1143 V1 29.698
 RP 108.92 LAP -2.11 LOP 294.87 VP 35.338 GAP -25.70 AZP 89.94 TAL 155.76 TAP 247.25 RCA 63.19 APO 160.19 V2 34.793
 RC 56.154 GL -5.33 GP 5.49 ZAL 46.39 ZAP 12.26 ETS 208.47 ZAE 140.31 ETE 163.51 ZAC 135.25 ETC 28.82 CLP 10.98

PLANETOCENTRIC CONIC

C3 84.340 VHL 9.184 OLA 3.91 RAL 156.95 RAD 6569.7 VEL 14.342 PTH 2.61 VMP 15.751 DPA 26.67 RAP 130.21 ECC 2.3880
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 53 34 2688.93 -27.55 73.76 45.20 96.80 8 38 23 2088.9 -26.33 65.31
 90.00 20 49 45 5090.09 24.43 225.65 41.70 75.22 22 14 35 4490.1 22.16 217.71
 100.00 9 16 45 2420.65 -29.03 53.82 44.99 97.47 9 57 5 1820.7 -27.69 45.28
 100.00 22 9 16 4833.60 25.86 206.36 41.27 74.46 23 29 50 4233.6 23.48 198.37
 110.00 10 29 11 2193.92 -33.02 35.92 44.30 99.38 11 5 45 1593.9 -31.37 27.08
 110.00 23 13 19 4633.10 29.73 189.84 39.96 72.30 24 30 32 4033.1 27.02 181.70

DIFFERENTIAL CORRECTIONS

TOE 1.0673 TRA-2.7572 TC3 -.2599 BAU .2991
 ROE -.5955 RRA -.4832 RC3 .0529 FAU .01367
 FDE -.7444 FRA 1.4752 FC3 -.1403 BSP 6071
 BOE 1.2222 BRA 2.7992 BC3 .2652 FSP -246

MID-COURSE EXECUTION ACCURACY

SGT 1908.9 SGR 488.6 SG3 92.0
 RRT .2436 RRF -.0253 RTF -.8744
 SGB 1970.5 R23 -.0262 R13 -.8749
 SG1 1912.9 SG2 472.9 TMA 3.80

ORBIT DETERMINATION ACCURACY

ST 843.3 SR 382.4 SS 735.8
 CRT -.6218 CRS -.7130 CST .9920
 LSA 1147.2 MSA 287.1 SSA 17.3
 EL1 880.4 EL2 286.9 ALF 162.31

LAUNCH DATE APR 14 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 6 1967

HELIOCENTRIC CONIC

DISTANCE 251.932

RL 150.04 LAL -1.00 LOL 203.37 VL 24.360 GAL 15.81 AZL 92.26 MCA 94.66 SMA 112.88 ECC .41775 INC 2.2643 V1 29.698
 RP 108.93 LAP -2.26 LOP 298.03 VP 35.512 GAP -24.62 AZP 89.82 TAL 155.10 TAP 249.76 RCA 65.73 APO 160.04 V2 34.790
 RC 54.407 GL -6.02 GP 5.81 ZAL 45.89 ZAP 11.30 ETS 212.74 ZAE 141.59 ETE 161.59 ZAC 133.42 ETC 28.01 CLP 9.71

PLANETOCENTRIC CONIC

C3 78.006 VHL 8.832 OLA 3.06 RAL 157.22 RAD 6569.5 VEL 14.119 PTH 2.57 VMP 15.139 DPA 26.55 RAP 132.34 ECC 2.2838
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 1 2 2644.58 -27.16 70.58 43.70 98.35 8 45 7 2044.6 -25.72 62.21
 90.00 20 44 29 5098.84 24.58 226.25 41.01 75.48 22 9 28 4498.8 22.35 218.29
 100.00 9 23 49 2377.61 -28.61 50.69 43.45 99.07 10 3 26 1777.6 -27.06 42.23
 100.00 22 4 24 4841.04 26.00 206.87 40.59 74.70 23 25 5 4241.0 23.64 198.86
 110.00 10 35 20 2153.76 -32.53 32.89 42.64 101.12 11 11 14 1553.8 -30.66 24.17
 110.00 23 9 22 4637.66 29.83 190.16 39.31 72.47 24 26 40 4037.7 27.14 182.00

DIFFERENTIAL CORRECTIONS

TOE 1.0744 TRA-2.7606 TC3 -.2632 BAU .2815
 ROE -.5526 RRA -.4719 RC3 .0601 FAU .01409
 FDE -.7809 FRA 1.5247 FC3 -.1563 BSP 6348
 BOE 1.2081 BRA 2.8007 BC3 .2699 FSP -267

MID-COURSE EXECUTION ACCURACY

SGT 1979.5 SGR 483.5 SG3 99.0
 RRT .2619 RRF -.2732 RTF -.8819
 SGB 2037.7 R23 -.0297 R13 -.8825
 SG1 1983.7 SG2 465.6 TMA 3.87

ORBIT DETERMINATION ACCURACY

ST 880.6 SR 370.1 SS 768.3
 CRT -.6149 CRS -.7095 CST .9915
 LSA 1192.7 MSA 282.5 SSA 17.4
 EL1 912.8 EL2 281.6 ALF 163.94

LAUNCH DATE APR 14 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 8 1967

HELIOCENTRIC CONIC

DISTANCE 258.602

RL 150.04 LAL -1.00 LOL 203.37 VL 24.603 GAL 15.20 AZL 92.42 MCA 97.81 SMA 114.04 ECC .40191 INC 2.4157 V1 29.698
 RP 108.93 LAP -2.39 LOP 301.19 VP 35.677 GAP -23.57 AZP 89.67 TAL 154.48 TAP 252.30 RCA 68.21 APO 159.87 V2 34.787
 RC 52.748 GL -6.76 GP 6.16 ZAL 45.45 ZAP 10.44 ETS 217.93 ZAE 142.95 ETE 159.41 ZAC 131.57 ETC 27.27 CLP 8.44

PLANETOCENTRIC CONIC

C3 72.206 VHL 8.497 OLA 2.17 RAL 157.44 RAD 6569.4 VEL 13.912 PTH 2.54 VMP 14.545 DPA 26.44 RAP 134.48 ECC 2.1883
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 8 30 2599.04 -26.66 67.34 42.14 99.91 8 51 49 1999.0 -25.02 59.05
 90.00 20 38 44 5108.43 24.74 226.90 40.26 75.77 22 3 53 4508.4 22.54 218.92
 100.00 9 30 51 2333.40 -28.09 47.51 41.85 100.67 10 9 45 1733.4 -26.33 39.15
 100.00 21 59 4 4849.30 26.14 207.44 39.86 74.97 23 19 54 4249.3 23.82 199.41
 110.00 10 41 25 2112.54 -31.95 29.81 40.92 102.85 11 16 38 1512.5 -29.85 21.23
 110.00 23 5 0 4642.93 29.93 190.53 38.61 72.67 24 22 23 4042.9 27.27 182.35

DIFFERENTIAL CORRECTIONS

TOE 1.0808 TRA-2.7625 TC3 -.2653 BAU .2644
 ROE -.5102 RRA -.4615 RC3 .0680 FAU .01454
 FDE -.8200 FRA 1.5769 FC3 -.1743 BSP 6617
 BOE 1.1951 BRA 2.8008 BC3 .2739 FSP -290

MID-COURSE EXECUTION ACCURACY

SGT 2051.5 SGR 478.2 SG3 106.7
 RRT .2831 RRF -.2969 RTF -.8890
 SGB 2106.5 R23 -.0355 R13 -.8896
 SG1 2056.2 SG2 457.6 TMA 3.97

ORBIT DETERMINATION ACCURACY

ST 918.7 SR 356.5 SS 802.4
 CRT -.6061 CRS -.7045 CST .9910
 LSA 1240.0 MSA 277.3 SSA 17.4
 EL1 946.2 EL2 275.3 ALF 165.51

LAUNCH DATE APR 14 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 10 1967

HELIOCENTRIC CONIC

DISTANCE 265.296

RL 150.04 LAL -1.00 LOL 203.37 VL 24.832 GAL 14.62 AZL 92.57 MCA 100.97 SMA 115.16 ECC .38674 INC 2.5694 V1 29.698
 RP 108.94 LAP -2.52 LOP 304.35 VP 35.834 GAP -22.55 AZP 89.51 TAL 153.89 TAP 254.86 RCA 70.62 APO 159.70 V2 34.786
 RC 51.183 GL -7.57 GP 6.55 ZAL 45.06 ZAP 9.70 ETS 224.22 ZAE 144.36 ETE 156.91 ZAC 129.71 ETC 26.61 CLP 7.16

PLANETOCENTRIC CONIC

C3 66.904 VHL 8.179 DLA 1.25 RAL 157.59 RAD 6569.3 VEL 13.721 PTH 2.51 VMP 13.970 DPA 26.35 RAP 136.61 ECC 2.1011
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 16 0 2552.24 -26.07 64.04 40.52 101.46 8 58 32 1952.2 -24.23 55.85
 90.00 20 32 28 5119.12 24.92 227.64 39.47 76.10 21 57 47 4519.1 22.76 219.63
 100.00 9 37 55 2287.99 -27.47 44.27 40.19 102.27 10 16 3 1688.0 -25.51 36.03
 100.00 21 53 14 4858.59 26.31 208.08 39.08 75.27 23 14 13 4258.6 24.03 200.03
 110.00 10 47 29 2070.23 -31.27 26.71 39.15 104.57 11 21 59 1470.2 -28.95 18.27
 110.00 23 0 9 4649.13 30.06 190.97 37.86 72.90 24 17 38 4049.1 27.42 182.77

DIFFERENTIAL CORRECTIONS

TDE 1.0829 TRA-2.7669 TC3 -.2685 BAU .2498
 RDE -.4682 RRA -.4521 RC3 .0767 FAU .01498
 FDE -.8613 FRA 1.6331 FC3 -.1938 BSP 6777
 BDE 1.1798 BRA 2.8035 BC3 .2793 FSP -313

MID-COURSE EXECUTION ACCURACY

SGT 2127.6 SGR 472.9 SG3 115.1
 RRT .3083 RRF -.3244 RTF -.8952
 SGB 2179.5 R23 -.0374 R13 -.8958
 SGI 2132.8 SG2 448.8 TMA 4.10

ORBIT DETERMINATION ACCURACY

ST 955.9 SR 341.5 SS 837.9
 CRT -.5930 CRS -.6970 CST .9903
 LSA 1287.6 MSA 272.5 SSA 17.5
 EL1 978.9 EL2 268.5 ALF 167.05

LAUNCH DATE APR 14 1967

FLIGHT TIME 120.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 272.008

RL 150.04 LAL -1.00 LOL 203.37 VL 25.047 GAL 14.06 AZL 92.73 MCA 104.13 SMA 116.24 ECC .37224 INC 2.7263 V1 29.698
 RP 108.94 LAP -2.64 LOP 307.52 VP 35.982 GAP -21.57 AZP 89.33 TAL 153.32 TAP 257.45 RCA 72.97 APO 159.51 V2 34.784
 RC 49.723 GL -8.44 GP 6.99 ZAL 44.75 ZAP 9.12 ETS 231.67 ZAE 145.82 ETE 154.04 ZAC 127.83 ETC 26.00 CLP 5.87

PLANETOCENTRIC CONIC

C3 62.063 VHL 7.878 DLA .27 RAL 157.68 RAD 6569.2 VEL 13.543 PTH 2.48 VMP 13.412 DPA 26.27 RAP 138.74 ECC 2.0214
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 23 32 2504.11 -25.38 60.68 38.86 103.00 9 5 16 1904.1 -23.34 52.61
 90.00 20 25 38 5131.13 25.11 228.46 38.63 76.47 21 51 9 4531.1 23.00 220.43
 100.00 9 45 1 2241.32 -26.76 40.99 38.49 103.85 10 22 22 1641.3 -24.59 32.86
 100.00 21 46 51 4869.16 26.49 208.82 38.25 75.61 23 8 0 4269.2 24.25 200.73
 110.00 10 53 33 2026.79 -30.48 23.57 37.35 106.28 11 27 20 1426.8 -27.95 15.28
 110.00 22 54 48 4656.45 30.20 191.49 37.07 73.17 24 12 25 4056.5 27.60 185.27

DIFFERENTIAL CORRECTIONS

TDE 1.0892 TRA-2.7645 TC3 -.2678 BAU .2334
 RDE -.4264 RRA -.4438 RC3 .0862 FAU .01550
 FDE -.9071 FRA 1.6913 FC3 -.2162 BSP 7041
 BDE 1.1697 BRA 2.7999 BC3 .2813 FSP -340

MID-COURSE EXECUTION ACCURACY

SGT 2201.9 SGR 467.8 SG3 124.1
 RRT .3359 RRF -.3552 RTF -.9015
 SGB 2251.0 R23 -.0423 R13 -.9022
 SGI 2207.7 SG2 439.4 TMA 4.25

ORBIT DETERMINATION ACCURACY

ST 995.7 SR 324.9 SS 876.1
 CRT -.5789 CRS -.6873 CST .9889
 LSA 1339.1 MSA 266.4 SSA 17.5
 EL1 1014.6 EL2 260.0 ALF 168.54

LAUNCH DATE APR 14 1967

FLIGHT TIME 122.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 278.737

RL 150.04 LAL -1.00 LOL 203.37 VL 25.248 GAL 13.52 AZL 92.89 MCA 107.29 SMA 117.28 ECC .35838 INC 2.8877 V1 29.698
 RP 108.94 LAP -2.76 LOP 310.68 VP 36.122 GAP -20.62 AZP 89.14 TAL 152.79 TAP 260.08 RCA 75.25 APO 159.31 V2 34.784
 RC 48.377 GL -9.37 GP 7.48 ZAL 44.50 ZAP 8.76 ETS 240.20 ZAE 147.29 ETE 150.73 ZAC 125.95 ETC 25.44 CLP 4.57

PLANETOCENTRIC CONIC

C3 57.654 VHL 7.593 DLA -.75 RAL 157.70 RAD 6569.0 VEL 13.380 PTH 2.45 VMP 12.872 DPA 26.23 RAP 140.86 ECC 1.9488
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 31 11 2454.58 -24.58 57.28 37.16 104.53 9 12 5 1854.6 -22.34 49.32
 90.00 20 18 10 5144.76 25.33 229.40 37.76 76.89 21 43 55 4544.8 23.27 221.34
 100.00 9 52 10 2193.31 -25.93 37.66 36.76 105.42 10 28 44 1593.3 -23.56 29.67
 100.00 21 39 52 4881.27 26.69 209.66 37.39 76.01 23 1 13 4281.3 24.50 201.54
 110.00 10 59 37 1982.17 -29.59 20.40 35.52 107.96 11 32 40 1382.2 -26.85 12.28
 110.00 22 48 54 4665.17 30.37 192.11 36.25 73.51 24 6 39 4065.2 27.82 183.85

DIFFERENTIAL CORRECTIONS

TDE 1.1006 TRA-2.7556 TC3 -.2619 BAU .2152
 RDE -.3846 RRA -.4369 RC3 .0968 FAU .01613
 FDE -.9583 FRA 1.7519 FC3 -.2422 BSP 7413
 BDE 1.1658 BRA 2.7900 BC3 .2793 FSP -372

MID-COURSE EXECUTION ACCURACY

SGT 2274.3 SGR 463.2 SG3 134.0
 RRT .3665 RRF -.3899 RTF -.9081
 SGB 2321.0 R23 -.0481 R13 -.9089
 SGI 2280.8 SG2 429.7 TMA 4.43

ORBIT DETERMINATION ACCURACY

ST 1038.8 SR 306.6 SS 917.3
 CRT -.5631 CRS -.6744 CST .9895
 LSA 1395.4 MSA 259.1 SSA 17.4
 EL1 1053.9 EL2 249.7 ALF 170.00

LAUNCH DATE APR 14 1967

FLIGHT TIME 124.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 285.479

RL 150.04 LAL -1.00 LOL 203.37 VL 25.437 GAL 13.01 AZL 93.05 MCA 110.44 SMA 118.28 ECC .34518 INC 3.0547 V1 29.698
 RP 108.94 LAP -2.86 LOP 313.84 VP 36.254 GAP -19.70 AZP 88.93 TAL 152.29 TAP 262.74 RCA 77.45 APO 159.11 V2 34.784
 RC 47.155 GL -10.39 GP 8.02 ZAL 44.33 ZAP 8.65 ETS 249.49 ZAE 148.74 ETE 146.91 ZAC 124.05 ETC 24.94 CLP 3.26

PLANETOCENTRIC CONIC

C3 53.649 VHL 7.325 DLA -1.82 RAL 157.65 RAD 6568.9 VEL 13.229 PTH 2.42 VMP 12.350 DPA 26.22 RAP 142.99 ECC 1.8829
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 38 57 2403.55 -23.66 53.82 35.44 106.03 9 19 1 1803.5 -21.24 45.99
 90.00 20 10 1 5160.34 25.56 230.48 36.86 77.39 21 36 1 4560.3 23.57 222.38
 100.00 9 59 27 2143.89 -24.99 34.29 35.01 106.96 10 35 11 1543.9 -22.43 26.43
 100.00 21 32 12 4895.24 26.92 210.64 36.51 76.48 22 53 48 4295.2 24.79 202.48
 110.00 11 5 45 1936.34 -28.58 17.21 33.68 109.60 11 38 1 1336.3 -25.64 9.26
 110.00 22 42 24 4675.55 30.57 192.86 35.41 73.91 24 0 19 4075.5 28.06 184.56

DIFFERENTIAL CORRECTIONS

TDE 1.1083 TRA-2.7492 TC3 -.2569 BAU .2000
 RDE -.3427 RRA -.4317 RC3 .1084 FAU .01674
 FDE -1.0133 FRA 1.8172 FC3 -.2702 BSP 7676
 BDE 1.1600 BRA 2.7829 BC3 .2789 FSP -405

MID-COURSE EXECUTION ACCURACY

SGT 2350.0 SGR 459.6 SG3 144.8
 RRT .4026 RRF -.4297 RTF -.9138
 SGB 2394.6 R23 -.0543 R13 -.9147
 SGI 2357.6 SG2 419.4 TMA 4.65

ORBIT DETERMINATION ACCURACY

ST 1080.9 SR 286.6 SS 960.6
 CRT -.5391 CRS -.6556 CST .9891
 LSA 1452.4 MSA 252.2 SSA 17.4
 EL1 1092.4 EL2 238.9 ALF 171.45

LAUNCH DATE APR 14 1967

FLIGHT TIME 126.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC
 RL 150.04 LAL -.00 LOL 203.37 VL 25.614 GAL 12.53 AZL 93.23 HCA 113.60 SMA 119.24 ECC .33260 INC 3.2288 V1 29.698
 RP 108.94 LAP -2.96 LOP 317.00 VP 36.380 GAP -18.81 AZP 88.71 TAL 151.82 TAP 265.42 RCA 79.58 APO 158.90 V2 34.785
 RC 46.068 GL -11.49 GP 8.63 ZAL 44.24 ZAP 8.84 ETS 258.95 ZAE 150.12 ETE 142.50 ZAC 122.15 ETC 24.48 CLP 1.93

PLANETOCENTRIC CONIC
 C3 50.023 VML 7.073 DLA -2.96 RAL 157.53 RAD 6568.8 VEL 13.091 PTH 2.39 VMP 11.845 DPA 26.25 RAP 145.12 ECC 1.8232
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 46 55 2350.91 -22.63 50.31 33.70 107.50 9 26 6 1750.9 -20.02 42.60
 90.00 20 1 6 5178.22 25.82 231.73 35.94 77.96 21 27 24 4578.2 23.90 223.58
 100.00 10 6 53 2092.96 -23.94 30.88 33.24 108.46 10 41 46 1493.0 -21.19 23.15
 100.00 21 23 49 4911.41 27.17 211.77 35.61 77.03 22 45 40 4311.4 25.11 203.58
 110.00 11 11 58 1889.22 -27.46 14.00 31.83 111.20 11 43 27 1289.2 -24.33 6.23
 110.00 22 35 13 4687.91 30.80 193.75 34.55 74.39 23 53 21 4087.9 28.35 185.41

DIFFERENTIAL CORRECTIONS
 TOE 1.1158 TRA-2.7417 TC3 -.2506 BAU .1861
 ROE -.3004 RRA -.4287 RC3 .1210 FAU .01739
 FDE-1.0736 FRA 1.8868 FC3 -.3010 BSP 7912
 BOE 1.1555 BRA 2.7750 BC3 .2783 FSP -440

MID-COURSE EXECUTION ACCURACY
 SGT 2426.7 SGR 457.7 SG3 156.5
 RRT .4437 RRF -.4747 RTF -.9190
 SGB 2469.5 R23 -.0614 R13 -.9200
 SGI 2435.4 SG2 408.7 TMA 4.92

ORBIT DETERMINATION ACCURACY
 ST 1123.5 SR 264.8 SS 1006.6
 CRT -.5055 CRS -.6284 CST .9885
 LSA 1511.7 MSA 245.2 SSA 17.3
 EL1 1131.8 EL2 226.8 ALF 172.92

LAUNCH DATE APR 14 1967

FLIGHT TIME 128.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC
 RL 150.04 LAL -.00 LOL 203.37 VL 25.780 GAL 12.06 AZL 93.41 HCA 116.76 SMA 120.16 ECC .32065 INC 3.4114 V1 29.698
 RP 108.93 LAP -3.03 LOP 320.17 VP 36.498 GAP -17.94 AZP 88.46 TAL 151.39 TAP 268.15 RCA 81.63 APO 158.69 V2 34.787
 RC 45.125 GL -12.67 GP 9.32 ZAL 44.24 ZAP 9.34 ETS 267.93 ZAE 151.37 ETE 137.45 ZAC 120.23 ETC 24.07 CLP .58

PLANETOCENTRIC CONIC
 C3 46.752 VML 6.838 DLA -4.16 RAL 157.34 RAD 6568.7 VEL 12.966 PTH 2.36 VMP 11.358 DPA 26.35 RAP 147.26 ECC 1.7694
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 55 8 2296.90 -21.47 46.74 31.97 108.92 9 33 25 1696.5 -18.69 39.17
 90.00 19 51 19 5198.82 26.11 233.17 35.02 78.63 21 17 58 4598.8 24.28 224.98
 100.00 10 14 32 2040.39 -22.76 27.41 31.48 109.92 10 48 32 1440.4 -19.84 19.84
 100.00 21 14 36 4930.16 27.45 213.10 34.70 77.67 22 36 46 4330.2 25.47 204.85
 110.00 11 18 18 1840.73 -26.23 10.77 29.99 112.75 11 48 59 1240.7 -22.92 3.18
 110.00 22 27 19 4702.58 31.07 194.81 33.69 74.96 23 45 42 4102.6 28.69 186.41

DIFFERENTIAL CORRECTIONS
 TOE 1.1262 TRA-2.7312 TC3 -.2405 BAU .1723
 ROE -.2573 RRA -.4281 RC3 .1348 FAU .01811
 FDE-1.1408 FRA 1.9604 FC3 -.3353 BSP 8169
 BOE 1.1552 BRA 2.7646 BC3 .2757 FSP -478

MID-COURSE EXECUTION ACCURACY
 SGT 2502.9 SGR 458.1 SG3 169.2
 RRT .4895 RRF -.5247 RTF -.9242
 SGB 2544.5 R23 -.0695 R13 -.9253
 SGI 2513.2 SG2 397.8 TMA 5.25

ORBIT DETERMINATION ACCURACY
 ST 1168.2 SR 241.2 SS 1056.0
 CRT -.4588 CRS -.5884 CST .9881
 LSA 1575.2 MSA 237.9 SSA 17.2
 EL1 1173.6 EL2 213.3 ALF 174.40

LAUNCH DATE APR 14 1967

FLIGHT TIME 130.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC
 RL 150.04 LAL -.00 LOL 203.37 VL 25.934 GAL 11.62 AZL 93.60 HCA 119.92 SMA 121.04 ECC .30930 INC 3.6046 V1 29.698
 RP 108.93 LAP -3.12 LOP 323.34 VP 36.610 GAP -17.11 AZP 88.20 TAL 150.98 TAP 270.90 RCA 83.60 APO 158.47 V2 34.790
 RC 44.335 GL -13.96 GP 10.10 ZAL 44.33 ZAP 10.13 ETS 275.92 ZAE 152.42 ETE 131.74 ZAC 118.30 ETC 23.71 CLP -.79

PLANETOCENTRIC CONIC
 C3 43.818 VML 6.620 DLA -5.44 RAL 157.06 RAD 6568.7 VEL 12.852 PTH 2.34 VMP 10.888 DPA 26.52 RAP 149.41 ECC 1.7211
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 3 41 2240.15 -20.18 43.11 30.24 110.30 9 41 1 1640.2 -17.24 35.67
 90.00 19 40 34 5222.60 26.42 234.84 34.10 79.41 21 7 36 4622.6 24.69 226.60
 100.00 10 22 28 1986.03 -21.46 23.90 29.72 111.33 10 55 34 1386.0 -18.37 16.47
 100.00 21 4 28 4951.96 27.76 214.64 33.80 78.43 22 27 0 4352.0 25.88 206.35
 110.00 11 24 49 1790.78 -24.87 7.52 28.16 114.24 11 54 40 1190.8 -21.39 .11
 110.00 22 18 36 4719.97 31.37 196.08 32.85 75.66 23 37 16 4120.0 29.08 187.62

DIFFERENTIAL CORRECTIONS
 TOE 1.1426 TRA-2.7148 TC3 -.2248 BAU .1582
 ROE -.2129 RRA -.4303 RC3 .1498 FAU .01892
 FDE-1.2169 FRA 2.0373 FC3 -.3738 BSP 8523
 BOE 1.1622 BRA 2.7487 BC3 .2701 FSP -523

MID-COURSE EXECUTION ACCURACY
 SGT 2576.5 SGR 461.8 SG3 183.1
 RRT .5394 RRF -.5791 RTF -.9295
 SGB 2617.5 R23 -.0785 R13 -.9307
 SGI 2588.7 SG2 387.0 TMA 5.65

ORBIT DETERMINATION ACCURACY
 ST 1216.4 SR 215.8 SS 1109.9
 CRT -.3916 CRS -.5276 CST .9879
 LSA 1644.7 MSA 229.6 SSA 17.0
 EL1 1219.4 EL2 198.1 ALF 175.92

LAUNCH DATE APR 14 1967

FLIGHT TIME 132.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC
 RL 150.04 LAL -.00 LOL 203.37 VL 26.079 GAL 11.20 AZL 93.81 HCA 123.07 SMA 121.87 ECC .29854 INC 3.8104 V1 29.698
 RP 108.92 LAP -3.19 LOP 326.50 VP 36.715 GAP -18.29 AZP 87.92 TAL 150.61 TAP 273.69 RCA 85.49 APO 158.25 V2 34.793
 RC 43.707 GL -15.36 GP 10.99 ZAL 44.53 ZAP 11.20 ETS 282.66 ZAE 153.18 ETE 125.41 ZAC 116.36 ETC 23.37 CLP -2.19

PLANETOCENTRIC CONIC
 C3 41.205 VML 6.419 DLA -6.80 RAL 156.70 RAD 6568.6 VEL 12.750 PTH 2.32 VMP 10.437 DPA 26.77 RAP 151.57 ECC 1.6781
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 12 39 2181.63 -18.76 39.41 28.54 111.61 9 49 0 1581.6 -15.66 32.10
 90.00 19 28 43 5250.12 26.75 236.79 33.19 80.33 20 56 13 4650.1 23.14 228.49
 100.00 10 30 45 1929.68 -20.02 20.33 28.00 112.67 11 2 54 1329.7 -16.77 13.04
 100.00 20 53 18 4977.30 28.09 216.45 32.92 79.33 22 16 15 4377.3 26.33 208.09
 110.00 11 31 34 1739.23 -23.39 4.25 26.37 115.67 12 0 33 1139.2 -19.74 357.01
 110.00 22 8 58 4740.52 31.70 197.58 32.02 76.49 23 27 58 4140.5 29.52 189.05

DIFFERENTIAL CORRECTIONS
 TOE 1.1631 TRA-2.6935 TC3 -.2036 BAU .1448
 ROE -.1665 RRA -.4358 RC3 .1663 FAU .01983
 FDE-1.3031 FRA 2.1175 FC3 -.4167 BSP 8928
 BOE 1.1750 BRA 2.7285 BC3 .2628 FSP -574

MID-COURSE EXECUTION ACCURACY
 SGT 2647.3 SGR 470.2 SG3 198.2
 RRT .5932 RRF -.6389 RTF -.9347
 SGB 2688.8 R23 -.0882 R13 -.9362
 SGI 2662.3 SG2 376.5 TMA 6.14

ORBIT DETERMINATION ACCURACY
 ST 1267.1 SR 189.6 SS 1168.5
 CRT -.2871 CRS -.4300 CST .9880
 LSA 1719.8 MSA 221.0 SSA 16.7
 EL1 1268.3 EL2 181.4 ALF 177.49

LAUNCH DATE APR 14 1967

FLIGHT TIME 134.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 319.282
 RL 150.04 LAL -.00 LOL 203.37 VL 26.214 GAL 10.80 AZL 94.03 MCA 126.23 SMA 122.66 ECC .28837 INC 4.0316 V1 29.698
 RP 108.90 LAP -3.25 LOP 329.67 VP 36.815 GAP -15.51 AZP 87.61 TAL 150.28 TAP 276.51 RCA 87.29 APO 158.04 V2 34.797
 RC 43.245 GL -16.87 GP 12.00 ZAL 44.84 ZAP 12.53 ETS 288.13 ZAE 153.56 ETE 118.59 ZAC 114.40 ETC 23.08 CLP -3.62

PLANETOCENTRIC CONIC

C3 38.900 VML 6.237 DLA -8.25 RAL 156.25 RAD 6568.5 VEL 12.660 PTH 2.30 VMP 10.005 DPA 27.14 RAP 153.75 ECC 1.6402
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 22 8 2120.63 -17.18 35.62 26.88 112.86 9 57 29 1520.6 -13.94 28.44
 90.00 19 15 36 5282.05 27.09 239.06 32.31 81.42 20 43 39 4682.0 25.62 230.70
 100.00 10 39 29 1871.10 -18.44 16.70 26.31 113.95 11 10 40 1271.1 -15.05 9.55
 100.00 20 40 57 5006.82 28.44 218.58 32.06 80.39 22 4 23 4406.8 26.82 210.15
 110.00 11 38 38 1685.93 -21.78 .95 24.62 117.02 12 6 44 1085.9 -17.98 353.88
 110.00 21 58 18 4764.75 32.07 199.38 31.24 77.49 23 17 43 4164.7 30.02 190.76

DIFFERENTIAL CORRECTIONS

TOE 1.1846 TRA-2.6735 TC3 -.1820 BAU .1346
 RDE -.1175 RRA -.4455 RC3 .1840 FAU .02075
 FDE-1.3990 FRA 2.2031 FC3 -.4617 BSP 9263
 BOE 1.1904 BRA 2.7104 BC3 .2588 FSP -627

MID-COURSE EXECUTION ACCURACY

SGT 2719.3 SGR 485.1 SG3 214.5
 RRT .6494 RRF -.6966 RTF -.9394
 SGB 2762.2 R23 -.0990 R13 -.9411
 SGI 2737.8 SG2 366.4 TMA 6.73

ORBIT DETERMINATION ACCURACY

ST 1318.5 SR 164.6 SS 1231.1
 CRT -.1160 CRS -.2667 CST .9879
 LSA 1798.8 MSA 213.2 SSA 16.3
 EL1 1318.7 EL2 163.5 ALF 179.16

LAUNCH DATE APR 14 1967

FLIGHT TIME 136.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 326.038
 RL 150.04 LAL -.00 LOL 203.37 VL 26.339 GAL 10.42 AZL 94.27 MCA 129.39 SMA 123.42 ECC .27873 INC 4.2715 V1 29.698
 RP 108.89 LAP -3.30 LOP 332.84 VP 36.909 GAP -14.74 AZP 87.29 TAL 149.97 TAP 279.36 RCA 89.02 APO 157.82 V2 34.801
 RC 42.956 GL -18.52 GP 13.17 ZAL 45.28 ZAP 14.09 ETS 292.43 ZAE 153.50 ETE 111.52 ZAC 112.42 ETC 22.82 CLP -5.08

PLANETOCENTRIC CONIC

C3 36.888 VML 6.074 DLA -9.81 RAL 155.69 RAD 6568.4 VEL 12.580 PTH 2.28 VMP 9.591 DPA 27.64 RAP 155.97 ECC 1.6071
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 32 18 2056.71 -15.45 31.73 25.27 114.03 10 6 35 1456.7 -12.08 24.68
 90.00 19 1 1 5319.13 27.44 241.72 31.46 82.71 20 29 40 4719.1 26.14 233.29
 100.00 10 48 49 1809.88 -16.71 12.98 24.67 115.15 11 18 58 1209.9 -13.18 5.96
 100.00 20 27 11 5041.18 28.81 221.07 31.25 81.65 21 51 13 4441.2 27.35 212.57
 110.00 11 46 4 1630.60 -20.03 357.61 22.91 118.30 12 13 14 1030.6 -16.10 350.70
 110.00 21 46 26 4793.23 32.47 201.50 30.51 78.69 23 6 19 4193.2 30.58 192.80

DIFFERENTIAL CORRECTIONS

TOE 1.2843 TRA-2.5787 TC3 -.0767 BAU .1086
 RDE -.0619 RRA -.4567 RC3 .2065 FAU .02322
 FDE-1.5395 FRA 2.2587 FC3 -.5450 BSP 11375
 BOE 1.2857 BRA 2.6169 BC3 .2203 FSP -753

MID-COURSE EXECUTION ACCURACY

SGT 2749.9 SGR 507.4 SG3 232.2
 RRT .7055 RRF -.7528 RTF -.9515
 SGB 2796.3 R23 -.0988 R13 -.9533
 SGI 2773.5 SG2 356.5 TMA 7.54

ORBIT DETERMINATION ACCURACY

ST 1419.7 SR 143.8 SS 1318.3
 CRT .1290 CRS .0020 CST .9917
 LSA 1933.4 MSA 189.4 SSA 15.5
 EL1 1419.8 EL2 142.5 ALF .76

LAUNCH DATE APR 14 1967

FLIGHT TIME 138.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 332.806
 RL 150.04 LAL -.00 LOL 203.37 VL 26.456 GAL 10.06 AZL 94.53 MCA 132.55 SMA 124.13 ECC .26971 INC 4.5343 V1 29.698
 RP 108.87 LAP -3.34 LOP 336.01 VP 36.997 GAP -14.00 AZP 86.93 TAL 149.69 TAP 282.24 RCA 90.65 APO 157.61 V2 34.806
 RC 42.841 GL -20.31 GP 14.51 ZAL 45.85 ZAP 15.89 ETS 295.70 ZAE 152.94 ETE 104.49 ZAC 110.42 ETC 22.58 CLP -6.56

PLANETOCENTRIC CONIC

C3 35.197 VML 5.933 DLA -11.48 RAL 155.04 RAD 6568.4 VEL 12.513 PTH 2.27 VMP 9.202 DPA 28.29 RAP 158.24 ECC 1.5793
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 43 23 1989.62 -13.55 27.72 23.76 115.10 10 16 33 1389.6 -10.06 20.78
 90.00 18 44 45 5362.51 27.77 244.85 30.70 84.25 20 14 8 4762.5 26.69 236.35
 100.00 10 58 56 1745.89 -14.82 9.17 23.13 116.26 11 28 2 1145.9 -11.17 2.28
 100.00 20 11 54 5081.47 29.17 224.01 30.52 83.16 21 36 35 4481.5 27.92 215.43
 110.00 11 54 3 1573.27 -18.15 354.24 21.30 119.48 12 20 17 973.3 -14.08 347.48
 110.00 21 33 16 4826.85 32.90 204.03 29.88 80.13 22 53 43 4226.9 31.18 195.23

DIFFERENTIAL CORRECTIONS

TOE 1.1894 TRA-2.6798 TC3 -.1892 BAU .1369
 RDE -.0093 RRA -.4828 RC3 .2209 FAU .02154
 FDE-1.6063 FRA 2.4115 FC3 -.5298 BSP 8689
 BOE 1.1894 BRA 2.7229 BC3 .2908 FSP -697

MID-COURSE EXECUTION ACCURACY

SGT 2888.6 SGR 543.2 SG3 251.1
 RRT .7566 RRF -.8115 RTF -.9429
 SGB 2939.2 R23 -.1337 R13 -.9453
 SGI 2918.1 SG2 351.6 TMA 8.22

ORBIT DETERMINATION ACCURACY

ST 1395.4 SR 143.2 SS 1357.4
 CRT .5141 CRS .3599 CST .9849
 LSA 1940.4 MSA 211.6 SSA 15.5
 EL1 1397.3 EL2 122.7 ALF 3.04

LAUNCH DATE APR 14 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 339.556
 RL 150.04 LAL -.00 LOL 203.37 VL 26.565 GAL 9.72 AZL 94.83 MCA 135.71 SMA 124.80 ECC .26117 INC 4.8252 V1 29.698
 RP 108.86 LAP -3.37 LOP 339.18 VP 37.081 GAP -13.28 AZP 86.54 TAL 149.45 TAP 285.16 RCA 92.21 APO 157.40 V2 34.812
 RC 42.900 GL -22.26 GP 16.07 ZAL 46.58 ZAP 17.94 ETS 298.13 ZAE 151.85 ETE 97.85 ZAC 108.37 ETC 22.36 CLP -8.09

PLANETOCENTRIC CONIC

C3 33.793 VML 5.813 DLA -13.28 RAL 154.27 RAD 6568.3 VEL 12.457 PTH 2.25 VMP 8.834 DPA 29.13 RAP 160.58 ECC 1.5562
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 55 36 1918.28 -11.45 23.53 22.34 116.07 10 27 34 1318.3 -7.86 16.70
 90.00 18 26 22 5413.30 28.07 248.54 29.99 86.07 19 56 35 4813.3 27.23 239.97
 100.00 11 10 1 1678.20 -12.74 5.22 21.67 117.27 11 37 59 1078.2 -8.99 358.44
 100.00 19 54 30 5128.62 29.50 227.47 29.86 84.95 21 20 6 4528.6 28.49 218.81
 110.00 12 2 41 1513.26 -16.10 350.79 19.76 120.57 12 27 54 913.3 -11.92 344.17
 110.00 21 18 27 4866.32 33.32 207.04 29.34 81.86 22 39 34 4266.3 31.83 198.12

DIFFERENTIAL CORRECTIONS

TOE 1.2374 TRA-2.6438 TC3 -.1501 BAU .1289
 RDE .0559 RRA -.5096 RC3 .2428 FAU .02267
 FDE-1.7498 FRA 2.5028 FC3 -.5809 BSP 9275
 BOE 1.2387 BRA 2.6924 BC3 .2854 FSP -771

MID-COURSE EXECUTION ACCURACY

SGT 2947.2 SGR 590.8 SG3 271.2
 RRT .8038 RRF -.8593 RTF -.9481
 SGB 3005.9 R23 -.1454 R13 -.9510
 SGI 2985.8 SG2 346.9 TMA 9.28

ORBIT DETERMINATION ACCURACY

ST 1460.4 SR 164.5 SS 1438.5
 CRT .7969 CRS .6864 CST .9860
 LSA 2046.3 MSA 203.1 SSA 14.7
 EL1 1466.3 EL2 99.0 ALF 5.15

LAUNCH DATE APR 14 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 346.299

RL 150.04 LAL -.00 LOL 203.37 VL 26.666 GAL 9.40 AZL 95.15 MCA 138.87 SMA 125.44 ECC .25316 INC 5.1510 VI 29.69R
 RP 108.84 LAP -3.39 LOP 342.35 VP 37.159 GAP -12.58 AZP 86.12 TAL 149.24 TAP 288.10 RCA 93.68 APO 157.19 V2 34.819
 RC 43.133 GL -24.39 GP 17.88 ZAL 47.49 ZAP 20.25 ETS 299.84 ZAE 150.24 ETE 91.86 ZAC 106.28 ETC 22.16 CLP -9.65

PLANETOCENTRIC CONIC

C3 32.706 VHL 5.719 OLA -15.22 RAL 153.38 RAD 6568.3 VEL 12.413 PTH 2.24 VMP 8.492 DPA 30.22 RAP 163.02 ECC 1.5383
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 9 22 1841.81 -9.13 19.11 21.05 116.92 10 40 3 1241.8 -5.45 12.37
 90.00 18 5 23 5473.28 28.27 252.91 29.35 88.26 19 36 36 4873.3 27.73 244.29
 100.00 11 22 25 1606.11 -10.46 1.08 20.35 118.16 11 49 11 1006.1 -6.61 354.41
 100.00 19 35 1 5184.21 29.76 231.58 29.29 87.10 21 1 25 4584.2 29.04 222.85
 110.00 12 12 10 1450.25 -13.89 347.25 18.33 121.55 12 36 20 850.3 -9.61 340.76
 110.00 21 1 45 4912.84 33.71 210.61 28.92 83.95 22 23 38 4312.8 32.50 201.58

DIFFERENTIAL CORRECTIONS

TDE 1.2859 TRA-2.6142 TC3 -.1181 BAU .1270
 RDE .1303 RRA -.5450 RC3 .2653 FAU .02359
 FDE-1.9084 FRA 2.5975 FC3 -.6245 BSP 9668
 BDE 1.2925 BRA 2.6704 BC3 .2904 FSP -842

MID-COURSE EXECUTION ACCURACY

SGT 3007.6 SGR 655.2 SG3 292.2
 RRT .8440 RRF -.8991 RTF -.9523
 SGB 3078.1 R23 -.1577 R13 -.9558
 SGI 3058.7 SG2 345.6 TMA 10.55

ORBIT DETERMINATION ACCURACY

ST 1524.0 SR 214.4 SS 1523.3
 CRT .9379 CRS .8700 CST .9866
 LSA 2156.4 MSA 197.5 SSA 13.8
 EL1 1537.3 EL2 73.7 ALF 7.53

LAUNCH DATE APR 14 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 353.032

RL 150.04 LAL -.00 LOL 203.37 VL 26.759 GAL 9.09 AZL 95.52 MCA 142.03 SMA 126.03 ECC .24566 INC 5.5210 VI 29.69R
 RP 108.81 LAP -3.39 LOP 345.52 VP 37.233 GAP -11.89 AZP 85.64 TAL 149.05 TAP 291.08 RCA 95.07 APO 156.99 V2 34.826
 RC 43.534 GL -26.72 GP 20.02 ZAL 48.58 ZAP 22.85 ETS 300.94 ZAE 148.11 ETE 86.67 ZAC 104.13 ETC 21.96 CLP -11.25

PLANETOCENTRIC CONIC

C3 31.963 VHL 5.654 OLA -17.32 RAL 152.31 RAD 6568.3 VEL 12.383 PTH 2.24 VMP 8.181 DPA 31.58 RAP 165.60 ECC 1.5260
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 23 15 1758.60 -6.53 14.38 19.95 117.61 10 54 34 1158.6 -2.78 7.70
 90.00 17 41 5 5544.92 28.30 258.15 28.80 90.88 19 13 30 4944.9 28.13 249.49
 100.00 11 36 35 1528.44 -7.93 356.70 19.19 118.92 12 2 3 928.4 -4.01 350.10
 100.00 19 12 27 5250.30 29.89 236.49 28.81 89.68 20 39 57 4650.3 29.53 227.71
 110.00 12 22 48 1383.64 -11.48 343.58 17.06 122.42 12 45 52 783.6 -7.12 337.20
 110.00 20 42 43 4967.87 34.02 214.88 28.65 86.45 22 5 31 4367.9 33.16 205.74

DIFFERENTIAL CORRECTIONS

TDE 1.3433 TRA-2.5857 TC3 -.0882 BAU .1288
 RDE .2180 RRA -.5902 RC3 .2882 FAU .02434
 FDE-2.0877 FRA 2.6891 FC3 -.6591 BSP 10023
 BDE 1.3608 BRA 2.6522 BC3 .3013 FSP -914

MID-COURSE EXECUTION ACCURACY

SGT 3065.6 SGR 740.0 SG3 313.7
 RRT .8764 RRF -.9302 RTF -.9562
 SGB 3153.7 R23 -.1685 R13 -.9604
 SGI 3134.4 SG2 348.5 TMA 12.10

ORBIT DETERMINATION ACCURACY

ST 1591.0 SR 290.2 SS 1613.5
 CRT .9864 CRS .9488 CST .9873
 LSA 2276.3 MSA 193.4 SSA 12.7
 EL1 1616.6 EL2 46.9 ALF 10.21

LAUNCH DATE APR 14 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 359.754

RL 150.04 LAL -.00 LOL 203.37 VL 26.846 GAL 8.81 AZL 95.95 MCA 145.19 SMA 126.59 ECC .23864 INC 5.9475 VI 29.69R
 RP 108.79 LAP -3.39 LOP 348.70 VP 37.302 GAP -11.23 AZP 85.11 TAL 148.89 TAP 294.08 RCA 96.38 APO 156.80 V2 34.834
 RC 44.099 GL -29.27 GP 22.54 ZAL 49.90 ZAP 25.80 ETS 301.53 ZAE 145.47 ETE 82.36 ZAC 101.89 ETC 21.75 CLP -12.89

PLANETOCENTRIC CONIC

C3 31.609 VHL 5.622 OLA -19.60 RAL 151.09 RAD 6568.3 VEL 12.369 PTH 2.23 VMP 7.908 DPA 33.28 RAP 168.38 ECC 1.5202
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 44 16 1665.93 -3.58 9.17 19.12 118.11 11 12 2 1065.9 .21 2.53
 90.00 17 12 19 5631.99 28.05 264.51 28.31 94.06 18 46 11 5032.0 28.32 255.85
 100.00 11 53 17 1443.20 -5.10 351.96 18.28 119.49 12 17 20 843.2 -1.13 345.42
 100.00 18 45 59 5329.95 29.77 242.41 28.43 92.79 20 14 49 4730.0 29.84 233.60
 110.00 12 34 59 1312.51 -8.86 339.74 15.97 123.15 12 56 52 712.5 -4.44 333.45
 110.00 20 20 46 5033.40 34.18 219.99 28.53 89.47 21 44 40 4433.4 33.73 210.77

DIFFERENTIAL CORRECTIONS

TDE 1.4109 TRA-2.5608 TC3 -.0642 BAU .1338
 RDE .3236 RRA -.6474 RC3 .3101 FAU .02475
 FDE-2.2879 FRA 2.7728 FC3 -.6777 BSP 10295
 BDE 1.4475 BRA 2.6414 BC3 .3167 FSP -981

MID-COURSE EXECUTION ACCURACY

SGT 3121.9 SGR 849.0 SG3 334.8
 RRT .9013 RRF -.9531 RTF -.9595
 SGB 3235.3 R23 -.1773 R13 -.9647
 SGI 3215.5 SG2 357.0 TMA 13.95

ORBIT DETERMINATION ACCURACY

ST 1660.7 SR 391.2 SS 1707.5
 CRT .9987 CRS .9801 CST .9878
 LSA 2406.2 MSA 191.5 SSA 11.6
 EL1 1706.0 EL2 19.6 ALF 13.24

LAUNCH DATE APR 14 1967

FLIGHT TIME 148.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 366.462

RL 150.04 LAL -.00 LOL 203.37 VL 26.926 GAL 8.54 AZL 96.45 MCA 148.34 SMA 127.11 ECC .23210 INC 6.4478 VI 29.69R
 RP 108.76 LAP -3.38 LOP 351.88 VP 37.368 GAP -10.58 AZP 84.51 TAL 148.76 TAP 297.10 RCA 97.61 APO 156.61 V2 34.842
 RC 44.820 GL -32.07 GP 25.53 ZAL 51.45 ZAP 29.14 ETS 301.66 ZAE 142.31 ETE 78.90 ZAC 99.53 ETC 21.48 CLP -14.55

PLANETOCENTRIC CONIC

C3 31.723 VHL 5.632 OLA -22.07 RAL 149.66 RAD 6568.3 VEL 12.373 PTH 2.23 VMP 7.681 DPA 35.38 RAP 171.45 ECC 1.5221
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 8 13 1558.59 -.12 3.17 18.68 118.32 11 34 12 958.6 3.66 356.54
 90.00 16 36 59 5741.14 27.27 272.40 27.80 97.94 18 12 41 5141.1 28.09 263.83
 100.00 12 13 49 1346.88 -1.85 346.65 17.72 119.84 12 36 15 746.9 2.14 340.13
 100.00 18 14 5 5428.08 29.23 249.65 28.08 96.57 19 44 33 4828.1 29.83 240.90
 110.00 12 49 21 1235.46 -5.97 335.65 15.16 123.72 13 9 57 635.5 -1.50 329.42
 110.00 19 55 2 5112.26 34.06 226.14 28.56 93.11 21 20 14 4512.3 34.11 216.90

DIFFERENTIAL CORRECTIONS

TDE 1.5009 TRA-2.5331 TC3 -.0389 BAU .1411
 RDE .4551 RRA -.7174 RC3 .3304 FAU .02488
 FDE-2.5137 FRA 2.8348 FC3 -.6791 BSP 10653
 BDE 1.5684 BRA 2.6327 BC3 .3327 FSP -1049

MID-COURSE EXECUTION ACCURACY

SGT 3172.4 SGR 986.4 SG3 354.2
 RRT .9204 RRF -.9691 RTF -.9629
 SGB 3322.2 R23 -.1805 R13 -.9693
 SGI 3301.5 SG2 370.6 TMA 16.18

ORBIT DETERMINATION ACCURACY

ST 1739.8 SR 519.8 SS 1806.5
 CRT .9994 CRS .9925 CST .9887
 LSA 2554.3 MSA 189.8 SSA 10.3
 EL1 1815.8 EL2 17.9 ALF 16.63

LAUNCH DATE APR 14 1967

FLIGHT TIME 150.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 373.156

RL 150.04 LAL -.00 LOL 203.37 VL 27.000 GAL 8.29 AZL 97.05 MCA 151.50 SMA 127.60 ECC .22602 INC 7.0466 V1 29.69H
 RP 108.74 LAP -3.36 LOP 355.05 VP 37.429 GAP -9.96 AZP 83.80 TAL 148.65 TAP 300.15 RCA 98.76 APO 156.44 V2 34.851
 RC 45.690 GL -35.14 GP 29.10 ZAL 53.29 ZAP 32.96 ETS 301.41 ZAE 138.60 ETE 76.21 ZAC 97.01 ETC 21.13 CLP -16.21

PLANETOCENTRIC CONIC

C3 32.434 VHL 5.695 OLA -24.74 RAL 147.99 RAD 6568.3 VEL 12.402 PTH 2.24 VMP 7.515 DPA 37.96 RAP 174.94 ECC 1.5338
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 41 28 1423.72 4.22 355.64 18.92 118.03 12 5 11 823.7 7.94 348.93
 90.00 15 50 25 5887.15 25.48 282.70 27.04 102.80 17 28 32 5287.2 26.99 274.36
 100.00 12 40 52 1231.95 2.05 340.35 17.72 119.83 13 1 24 631.9 6.00 333.79
 100.00 17 33 42 5554.16 27.90 258.78 27.62 101.19 19 6 16 4954.2 29.16 250.20
 110.00 13 6 59 1150.05 -2.72 331.17 14.74 124.09 13 26 9 550.0 1.77 324.97
 110.00 19 24 5 5208.82 33.45 233.61 28.68 97.49 20 50 54 4608.8 34.12 224.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.6145 TRA-2.5104 TC3 -.0224 BAU .1501
 RDE .6219 RRA -.8027 RC3 .3454 FAU .02431
 FDE-2.7581 FRA 2.8660 FC3 -.6489 BSP 10974
 BDE 1.7301 BRA 2.6356 BC3 .3461 FSP -1103

SGT 3220.6 SGR 1156.2 SG3 369.9
 RRT .9343 RRF -.9798 RTF -.9659
 SGB 3421.9 R23 -.1792 R13 -.9737
 SGI 3399.5 SG2 390.6 THA 18.80

ST 1826.0 SR 680.2 SS 1905.0
 CRT .9973 CRS .9973 CST .9896
 LSA 2718.5 MSA 189.7 SSA 9.1
 EL1 1948.1 EL2 46.9 ALF 20.39

LAUNCH DATE APR 14 1967

FLIGHT TIME 152.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 379.832

RL 150.04 LAL -.00 LOL 203.37 VL 27.067 GAL 8.06 AZL 97.78 MCA 154.66 SMA 128.05 ECC .22038 INC 7.7814 V1 29.69H
 RP 108.71 LAP -3.32 LOP 358.23 VP 37.487 GAP -9.34 AZP 82.96 TAL 148.55 TAP 303.21 RCA 99.83 APO 156.27 V2 34.860
 RC 46.700 GL -38.51 GP 33.35 ZAL 55.44 ZAP 37.33 ETS 300.79 ZAE 134.26 ETE 74.16 ZAC 94.29 ETC 20.59 CLP -17.84

PLANETOCENTRIC CONIC

C3 33.958 VHL 5.827 OLA -27.65 RAL 146.02 RAD 6568.3 VEL 12.463 PTH 2.25 VMP 7.435 DPA 41.08 RAP 179.07 ECC 1.5589
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 43 57 1199.17 11.22 342.85 20.86 116.17 13 3 56 599.2 14.65 335.85
 90.00 14 32 11 846.82 20.71 321.37 25.03 109.76 14 46 18 246.8 23.21 313.59
 100.00 13 22 21 1075.05 7.31 331.67 18.79 119.06 13 40 16 475.0 11.13 324.97
 100.00 16 36 28 5734.22 24.89 271.30 26.54 107.12 18 12 2 5134.2 26.99 263.14
 110.00 13 29 56 1051.20 1.05 326.01 14.93 124.17 13 47 28 451.2 5.53 319.79
 110.00 18 45 22 5330.83 31.99 242.83 28.69 102.76 20 14 13 4730.8 33.41 233.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.7673 TRA-2.4921 TC3 -.0122 BAU .1597
 RDE .8392 RRA -.9033 RC3 .3515 FAU .02288
 FDE-3.0156 FRA 2.8453 FC3 -.5833 BSP 11345
 BDE 1.9564 BRA 2.6508 BC3 .3518 FSP -1137

SGT 3266.7 SGR 1361.5 SG3 378.9
 RRT .9446 RRF -.9868 RTF -.9689
 SGB 3539.0 R23 -.1720 R13 -.9781
 SGI 3514.6 SG2 415.5 THA 21.81

ST 1925.6 SR 878.3 SS 1999.6
 CRT .9953 CRS .9992 CST .9907
 LSA 2905.4 MSA 190.3 SSA 7.8
 EL1 2115.1 EL2 77.5 ALF 24.45

LAUNCH DATE APR 14 1967

FLIGHT TIME 154.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 386.489

RL 150.04 LAL -.00 LOL 203.37 VL 27.129 GAL 7.85 AZL 98.71 MCA 157.81 SMA 128.47 ECC .21519 INC 8.7102 V1 29.69H
 RP 108.68 LAP -3.28 LOP 1.41 VP 37.541 GAP -8.75 AZP 81.93 TAL 148.47 TAP 306.29 RCA 100.82 APO 156.11 V2 34.870
 RC 47.841 GL -42.22 GP 38.43 ZAL 57.95 ZAP 42.35 ETS 299.84 ZAE 129.18 ETE 72.52 ZAC 91.31 ETC 19.73 CLP -19.37

PLANETOCENTRIC CONIC

C3 36.681 VHL 6.056 OLA -30.77 RAL 143.66 RAD 6568.4 VEL 12.572 PTH 2.28 VMP 7.477 DPA 44.77 RAP 184.17 ECC 1.6037
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.42 11 48 2 1366.13 17.01 358.05 22.74 116.04 12 10 48 766.1 20.37 350.81
 102.58 15 9 16 718.82 17.02 310.32 22.74 116.03 15 21 15 118.8 20.38 303.07
 77.42 11 48 2 1366.13 17.01 358.05 22.74 116.04 12 10 48 766.1 20.37 350.81
 102.58 15 9 16 718.82 17.02 310.32 22.74 116.03 15 21 15 118.8 20.38 303.07
 110.00 14 3 36 924.87 5.86 319.40 16.22 123.74 14 19 1 324.9 10.26 313.06
 110.00 17 52 52 5496.12 28.88 254.69 28.09 109.14 19 24 28 4896.1 31.21 246.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.9802 TRA-2.4830 TC3 -.0106 BAU .1683
 RDE 1.1282 RRA -1.0164 RC3 .3430 FAU .02026
 FDE-3.2695 FRA 2.7491 FC3 -.4781 BSP 11793
 BDE 2.2790 BRA 2.6829 BC3 .3431 FSP -1142

SGT 3314.2 SGR 1601.3 SG3 377.3
 RRT .9523 RRF -.9911 RTF -.9718
 SGB 3680.7 R23 -.1597 R13 -.9824
 SGI 3653.9 SG2 443.4 THA 25.10

ST 2045.0 SR 1118.9 SS 2082.5
 CRT .9941 CRS .9998 CST .9919
 LSA 3120.0 MSA 191.0 SSA 6.7
 EL1 2328.6 EL2 106.4 ALF 28.61

LAUNCH DATE APR 14 1967

FLIGHT TIME 156.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 393.123

RL 150.04 LAL -.00 LOL 203.37 VL 27.186 GAL 7.65 AZL 99.93 MCA 160.96 SMA 128.85 ECC .21042 INC 9.9297 V1 29.69H
 RP 108.64 LAP -3.22 LOP 4.60 VP 37.592 GAP -8.17 AZP 80.60 TAL 148.41 TAP 309.37 RCA 101.74 APO 155.96 V2 34.881
 RC 49.103 GL -46.28 GP 44.44 ZAL 60.87 ZAP 48.07 ETS 298.46 ZAE 123.25 ETE 70.99 ZAC 88.01 ETC 18.29 CLP -20.61

PLANETOCENTRIC CONIC

C3 41.324 VHL 6.428 OLA -34.11 RAL 140.79 RAD 6568.6 VEL 12.755 PTH 2.32 VMP 7.706 DPA 48.98 RAP 190.80 ECC 1.6801
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.13 10 48 19 1546.45 17.69 12.21 22.67 119.65 11 14 5 946.5 21.50 5.16
 109.87 15 46 5 5886.75 17.71 279.44 22.68 119.64 17 24 12 5286.8 21.52 272.38
 70.13 10 48 19 1546.45 17.69 12.21 22.67 119.65 11 14 5 946.5 21.50 5.16
 109.87 15 46 5 5886.75 17.71 279.44 22.68 119.64 17 24 12 5286.8 21.52 272.38
 110.00 15 30 14 647.03 16.01 304.27 21.65 120.61 15 41 1 47.0 19.95 297.37
 110.00 16 3 20 5834.18 19.41 276.33 23.68 118.71 17 40 34 5234.2 23.09 269.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.2921 TRA-2.4929 TC3 -.0195 BAU .1727
 RDE 1.5179 RRA -1.1331 RC3 .3121 FAU .01610
 FDE-3.4903 FRA 2.5549 FC3 -.3372 BSP 12331
 BDE 2.7491 BRA 2.7384 BC3 .3127 FSP -1100

SGT 3372.9 SGR 1865.2 SG3 360.7
 RRT .9580 RRF -.9936 RTF -.9747
 SGB 3854.3 R23 -.1433 R13 -.9864
 SGI 3825.4 SG2 471.4 THA 28.38

ST 2195.8 SR 1401.5 SS 2142.8
 CRT .9938 CRS 1.0000 CST .9933
 LSA 3367.6 MSA 191.4 SSA 5.6
 EL1 2601.7 EL2 131.7 ALF 32.48

LAUNCH DATE APR 14 1967

FLIGHT TIME 158.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 399.729

RL 150.04 LAL -.00 LOL 203.37 VL 27.238 GAL 7.47 AZL 101.61 MCA 164.10 SMA 129.20 ECC .20608 INC11.6119 V1 29.698
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.639 GAP -7.60 AZP 78.82 TAL 148.35 TAP 312.45 RCA 102.58 APO 155.83 V2 34.891
 RC 50.476 GL -50.69 GP 51.47 ZAL 64.25 ZAP 54.50 ETS 296.39 ZAE 116.35 ETE 69.01 ZAC 84.31 ETC 15.73 CLP -21.22

PLANETOCENTRIC CONIC

C3 49.364 VML 7.026 DLA -37.59 RAL 137.24 RAD 6568.8 VEL 13.066 PTM 2.38 VMP 8.234 DPA 53.47 RAP 199.88 ECC 1.8124
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 64.17 10 1 8 1689.75 17.63 23.59 22.83 123.75 10 29 18 1089.7 21.94 16.85
 115.83 16 4 57 5832.77 17.65 275.10 22.85 123.74 17 42 10 5232.8 21.96 268.35
 64.17 10 1 8 1689.75 17.63 23.59 22.83 123.75 10 29 18 1089.7 21.94 16.85
 115.83 16 4 57 5832.77 17.65 275.10 22.85 123.74 17 42 10 5232.8 21.96 268.35
 64.17 10 1 8 1689.75 17.63 23.59 22.83 123.75 10 29 18 1089.7 21.94 16.85
 115.83 16 4 57 5832.77 17.65 275.10 22.85 123.74 17 42 10 5232.8 21.96 268.35

DIFFERENTIAL CORRECTIONS

TOE 2.7847 TRA-2.5421 TC3 -.0405 BAU .1677
 ROE 2.0423 RRA-1.2289 RC3 .2508 FAU .01015
 FDE-3.6360 FRA 2.2503 FC3 -.1781 BSP 12975
 BOE 3.4534 BRA 2.8235 BC3 .2540 FSP -1000

MID-COURSE EXECUTION ACCURACY

SGT 3464.8 SGR 2120.8 SG3 325.8
 RRT .9623 RRF -.9949 RTF -.9781
 SGB 4062.3 R23 -.1246 R13 -.9900
 SGI 4031.9 SG2 495.7 TMA 31.02

ORBIT DETERMINATION ACCURACY

ST 2402.7 SR 1708.2 SS 2166.7
 CRT .9941 CRS 1.0000 CST .9947
 LSA 3653.6 MSA 190.5 SSA 4.6
 EL1 2944.1 EL2 151.6 ALF 35.36

LAUNCH DATE APR 14 1967

FLIGHT TIME 160.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 406.295

RL 150.04 LAL -.00 LOL 203.37 VL 27.285 GAL 7.31 AZL 104.10 MCA 167.22 SMA 129.53 ECC .20216 INC14.0952 V1 29.698
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.684 GAP -7.06 AZP 76.24 TAL 148.29 TAP 315.51 RCA 103.34 APO 155.71 V2 34.903
 RC 51.950 GL -55.33 GP 59.47 ZAL 68.13 ZAP 61.54 ETS 292.60 ZAE 108.38 ETE 65.27 ZAC 80.13 ETC 10.75 CLP -20.23

PLANETOCENTRIC CONIC

C3 64.214 VML 8.013 DLA -41.02 RAL 132.78 RAD 6569.2 VEL 13.622 PTM 2.49 VMP 9.285 DPA 57.59 RAP 212.74 ECC 2.0568
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.98 9 18 50 1824.23 16.34 33.87 23.07 128.17 9 49 14 1224.2 21.17 27.55
 121.02 16 11 41 5827.45 16.35 273.67 23.08 128.16 17 48 48 5227.5 21.18 267.35
 58.98 9 18 50 1824.23 16.34 33.87 23.07 128.17 9 49 14 1224.2 21.17 27.55
 121.02 16 11 41 5827.45 16.35 273.67 23.08 128.16 17 48 48 5227.5 21.18 267.35
 58.98 9 18 50 1824.23 16.34 33.87 23.07 128.17 9 49 14 1224.2 21.17 27.55
 121.02 16 11 41 5827.45 16.35 273.67 23.08 128.16 17 48 48 5227.5 21.18 267.35

DIFFERENTIAL CORRECTIONS

TOE 3.6562 TRA-2.6771 TC3 -.0749 BAU .1502
 ROE 2.7099 RRA-1.2328 RC3 .1581 FAU .00261
 FDE-3.6655 FRA 1.8495 FC3 -.0351 BSP 13730
 BOE 4.5510 BRA 2.9473 BC3 .1749 FSP -840

MID-COURSE EXECUTION ACCURACY

SGT 3644.9 SGR 2276.7 SG3 272.5
 RRT .9639 RRF -.9945 RTF -.9824
 SGB 4297.5 R23 -.1052 R13 -.9930
 SGI 4266.2 SG2 517.8 TMA 31.57

ORBIT DETERMINATION ACCURACY

ST 2722.7 SR 1969.1 SS 2144.4
 CRT .9945 CRS .9998 CST .9964
 LSA 3981.6 MSA 189.1 SSA 3.7
 EL1 3356.0 EL2 166.6 ALF 35.83

LAUNCH DATE APR 14 1967

FLIGHT TIME 162.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 412.799

RL 150.04 LAL -.00 LOL 203.37 VL 27.328 GAL 7.18 AZL 108.14 MCA 170.31 SMA 129.82 ECC .19871 INC18.1414 V1 29.698
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.725 GAP -6.54 AZP 72.10 TAL 148.21 TAP 318.52 RCA 104.03 APO 155.62 V2 34.914
 RC 53.515 GL -59.88 GP 68.18 ZAL 72.55 ZAP 68.91 ETS 283.14 ZAE 99.26 ETE 55.58 ZAC 75.25 ETC 359.06 CLP -14.51

PLANETOCENTRIC CONIC

C3 95.261 VML 9.760 DLA -43.94 RAL 127.15 RAD 6569.9 VEL 14.717 PTM 2.66 VMP 11.344 DPA 59.96 RAP 230.61 ECC 2.5678
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.88 8 39 20 1961.16 13.20 43.18 23.05 132.30 9 12 2 1361.2 18.50 37.37
 125.12 16 6 16 5871.80 13.21 274.82 23.06 132.30 17 44 8 5271.8 18.51 269.01
 54.88 8 39 20 1961.16 13.20 43.18 23.05 132.30 9 12 2 1361.2 18.50 37.37
 125.12 16 6 16 5871.80 13.21 274.82 23.06 132.30 17 44 8 5271.8 18.51 269.01
 54.88 8 39 20 1961.16 13.20 43.18 23.05 132.30 9 12 2 1361.2 18.50 37.37
 125.12 16 6 16 5871.80 13.21 274.82 23.06 132.30 17 44 8 5271.8 18.51 269.01

DIFFERENTIAL CORRECTIONS

TOE 5.4763 TRA-3.0175 TC3 -.1322 BAU .1814
 ROE 3.2343 RRA -.8848 RC3 .0529 FAU-.00641
 FDE-3.5682 FRA 1.4179 FC3 .0582 BSP 14423
 BOE 6.3601 BRA 3.1446 BC3 .1424 FSP -636

MID-COURSE EXECUTION ACCURACY

SGT 4056.3 SGR 2033.7 SG3 206.9
 RRT .9518 RRF -.9852 RTF -.9888
 SGB 4537.5 R23 -.0835 R13 -.9957
 SGI 4502.6 SG2 561.9 TMA 25.94

ORBIT DETERMINATION ACCURACY

ST 3298.4 SR 1910.9 SS 2081.0
 CRT .9937 CRS .9987 CST .9981
 LSA 4338.6 MSA 195.2 SSA 2.5
 EL1 3807.5 EL2 185.4 ALF 30.01

LAUNCH DATE APR 14 1967

FLIGHT TIME 164.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 419.177

RL 150.04 LAL -.00 LOL 203.37 VL 27.366 GAL 7.08 AZL 115.84 MCA 173.31 SMA 130.09 ECC .19581 INC25.8421 V1 29.698
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.764 GAP -6.05 AZP 64.31 TAL 148.07 TAP 321.38 RCA 104.62 APO 155.56 V2 34.926
 RC 55.163 GL -63.16 GP 75.96 ZAL 77.45 ZAP 76.14 ETS 249.74 ZAE 88.52 ETE 21.71 ZAC 68.93 ETC 322.04 CLP 9.11

PLANETOCENTRIC CONIC

C3 176.032 VML 13.268 DLA -45.10 RAL 120.34 RAD 6570.9 VEL 17.244 PTM 2.94 VMP 15.710 DPA 58.24 RAP 252.17 ECC 3.8970
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 53.31 8 6 6 2095.35 7.88 50.30 22.39 134.55 8 41 1 1495.4 13.44 44.86
 126.69 15 45 9 686.10 7.89 301.13 22.41 134.55 15 56 35 86.1 13.46 295.69
 53.31 8 6 6 2095.35 7.88 50.30 22.39 134.55 8 41 1 1495.4 13.44 44.86
 126.69 15 45 9 686.10 7.89 301.13 22.41 134.55 15 56 35 86.1 13.46 295.69
 53.31 8 6 6 2095.35 7.88 50.30 22.39 134.55 8 41 1 1495.4 13.44 44.86
 126.69 15 45 9 686.10 7.89 301.13 22.41 134.55 15 56 35 86.1 13.46 295.69

DIFFERENTIAL CORRECTIONS

TOE 9.8170 TRA-3.3295 TC3 -.2221 BAU .5443
 ROE .6232 RRA 1.2105 RC3 .0644 FAU-.01764
 FDE-3.4567 FRA 1.0707 FC3 .0867 BSP 15027
 BOE 9.6372 BRA 3.5427 BC3 .2313 FSP -437

MID-COURSE EXECUTION ACCURACY

SGT 4663.1 SGR 806.3 SG3 142.2
 RRT -.1307 RRF .0924 RTF -.9990
 SGB 4732.3 R23 .0425 R13 .9989
 SGI 4664.3 SG2 799.1 TMA 178.67

ORBIT DETERMINATION ACCURACY

ST 4197.8 SR 349.0 SS 2043.8
 CRT .6702 CRS .6814 CST .9999
 LSA 4674.7 MSA 259.5 SSA 1.4
 EL1 4204.4 EL2 258.6 ALF 3.20

LAUNCH DATE APR 14 1967

FLIGHT TIME 166.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 425.172
 RL 150.04 LAL -.00 LOL 203.37 VL 27.401 GAL 7.06 AZL 134.76 MCA 176.01 SMA 130.33 ECC .19394 INC44.7550 V1 29.69R
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.800 GAP -5.66 AZP 45.31 TAL 147.75 TAP 323.75 RCA 105.06 APO 155.61 V2 34.93R
 RC 56.885 GL -60.63 GP 72.36 ZAL 82.47 ZAP 82.48 ETS 193.85 ZAE 73.95 ETE 326.28 ZAC 58.13 ETC 259.89 CLP 64.42

PLANETOCENTRIC CONIC

C3 482.667 VHL 21.970 DLA -40.36 RAL 113.82 RAD 6572.3 VEL 24.576 PTH 3.33 VMP 26.810 DPA 48.15 RAP 272.39 ECC 8.9435
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.94 8 7 29 2145.29 1.75 49.09 21.74 130.33 8 43 14 1545.3 6.91 43.37
 120.06 14 51 46 884.37 1.77 313.02 21.75 130.33 15 6 30 284.4 6.93 307.31
 59.94 8 7 29 2145.29 1.75 49.09 21.74 130.33 8 43 14 1545.3 6.91 43.37
 120.06 14 51 46 884.37 1.77 313.02 21.75 130.33 15 6 30 284.4 6.93 307.31
 59.94 8 7 29 2145.29 1.75 49.09 21.74 130.33 8 43 14 1545.3 6.91 43.37
 120.06 14 51 46 884.37 1.77 313.02 21.75 130.33 15 6 30 284.4 6.93 307.31

DIFFERENTIAL CORRECTIONS

TOE10.3809 TRA -.8054 TC3 -.1652 BAU 2.1266
 RO-12.1826 RRA 4.7950 RC3 .2851 FAU-.04287
 FDE-3.7363 FRA 1.0527 FC3 .0769 BSP 14531
 BDE16.0057 BRA 4.8622 BC3 .3296 FSP -285

MID-COURSE EXECUTION ACCURACY

SGT 2816.5 SGR 3789.1 SG3 94.4
 RRT -.9336 RRF .9930 RTF -.9694
 SGB 4721.3 R23 -.0098 R13 .9999
 SGI 4649.1 SG2 822.4 TMA 126.06

ORBIT DETERMINATION ACCURACY

ST 2708.6 SR 3215.3 SS 2271.1
 CRT -.9924 CRS -.9991 CST .996R
 LSA 4771.5 MSA 255.6 SSA .5
 ELI 4196.4 EL2 255.2 ALF 130.07

LAUNCH DATE APR 14 1967

FLIGHT TIME 168.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 436.004
 RL 150.04 LAL -.00 LOL 203.37 VL 27.431 GAL 6.21 AZL 7.47 MCA 182.72 SMA 130.55 ECC .18365 INC2.5270 V1 29.69R
 RP 108.43 LAP -2.70 LOP 23.72 VP 37.834 GAP -4.12 AZP 172.52 TAL 150.13 TAP 332.85 RCA 106.57 APO 154.52 V2 34.951
 RC 58.673 GL 45.83 GP -50.04 ZAL 86.23 ZAP 87.09 ETS 171.90 ZAE 67.73 ETE 42.22 ZAC 67.57 ETC 110.36 CLP 85.46

PLANETOCENTRIC CONIC

C31420.913 VHL 37.695 DLA 64.30 RAL 140.67 RAD 6573.2 VEL 39.271 PTH 3.55 VMP 49.015 DPA -73.32 RAP 305.31 ECC24.3846
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 29.52 20 15 46 5073.97 1.21 243.81 51.27 25.71 21 40 20 4474.0 -5.99 240.75
 150.48 6 17 43 3363.29 1.22 101.02 51.25 25.71 7 13 46 2763.3 -5.99 97.96
 29.52 20 15 46 5073.97 1.21 243.81 51.27 25.71 21 40 20 4474.0 -5.99 240.75
 150.48 6 17 43 3363.29 1.22 101.02 51.25 25.71 7 13 46 2763.3 -5.99 97.96
 29.52 20 15 46 5073.97 1.21 243.81 51.27 25.71 21 40 20 4474.0 -5.99 240.75
 150.48 6 17 43 3363.29 1.22 101.02 51.25 25.71 7 13 46 2763.3 -5.99 97.96

DIFFERENTIAL CORRECTIONS

TOE-7.9648 TRA-2.7210 TC3 -.1623 BAU 6.0183
 ROE-8.6779 RRA-7.3153 RC3 -.2721 FAU-.11155
 FDE 2.3016 FRA 1.7986 FC3 .0680 BSP 11652
 BDE11.7790 BRA 7.0050 BC3 .3168 FSP -228

MID-COURSE EXECUTION ACCURACY

SGT 1967.7 SGR 3538.4 SG3 76.4
 RRT .9409 RRF - .9997 RTF -.9490
 SGB 4048.7 R23 -.0543 R13 -.9985
 SGI 4005.7 SG2 588.5 TMA 61.71

ORBIT DETERMINATION ACCURACY

ST 1244.5 SR 1528.1 SS 1685.4
 CRT .9566 CRS .9995 CST .9653
 LSA 2575.3 MSA 304.0 SSA .8
 ELI 1950.2 EL2 284.3 ALF 51.10

LAUNCH DATE APR 14 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 440.714
 RL 150.04 LAL -.00 LOL 203.37 VL 27.459 GAL 6.44 AZL 53.93 MCA 184.39 SMA 130.74 ECC .18461 INC36.0685 V1 29.69R
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.866 GAP -4.05 AZP 125.99 TAL 149.05 TAP 333.44 RCA 106.60 APO 154.87 V2 34.964
 RC 60.521 GL 63.34 GP -76.01 ZAL 81.72 ZAP 84.17 ETS 141.62 ZAE 90.27 ETE 19.07 ZAC 90.33 ETC 82.23 CLP 65.14

PLANETOCENTRIC CONIC

C3 323.117 VHL 17.975 DLA 72.25 RAL 189.46 RAD 6571.8 VEL 21.081 PTH 3.19 VMP 24.068 DPA -79.40 RAP 104.96 ECC 6.3177
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 20.26 23 10 2 5002.54 -5.15 246.97 97.81 17.83 24 33 25 4402.5 -12.76 244.88
 159.74 9 52 39 3236.21 -5.15 94.22 97.79 17.83 10 46 35 2636.2 -12.75 92.13
 20.26 23 10 2 5002.54 -5.15 246.97 97.81 17.83 24 33 25 4402.5 -12.76 244.88
 159.74 9 52 39 3236.21 -5.15 94.22 97.79 17.83 10 46 35 2636.2 -12.75 92.13
 20.26 23 10 2 5002.54 -5.15 246.97 97.81 17.83 24 33 25 4402.5 -12.76 244.88
 159.74 9 52 39 3236.21 -5.15 94.22 97.79 17.83 10 46 35 2636.2 -12.75 92.13

DIFFERENTIAL CORRECTIONS

TOE 1.4543 TRA-3.6827 TC3 -.2511 BAU 1.3953
 ROE 3.2969 RRA-2.7418 RC3 -.2032 FAU-.02653
 FDE -.7496 FRA 1.0663 FC3 .0711 BSP 15517
 BDE 3.6034 BRA 4.5913 BC3 .3230 FSP -316

MID-COURSE EXECUTION ACCURACY

SGT 3981.4 SGR 3139.0 SG3 100.9
 RRT .9747 RRF -.9906 RTF -.9960
 SGB 9070.0 R23 -.0026 R13 -.9999
 SGI 5039.6 SG2 554.4 TMA 38.08

ORBIT DETERMINATION ACCURACY

ST 1244.8 SR 1358.0 SS 854.8
 CRT .8760 CRS .9652 CST .9716
 LSA 1978.6 MSA 457.7 SSA .8
 ELI 1784.7 EL2 456.9 ALF 47.84

LAUNCH DATE APR 14 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 446.756
 RL 150.04 LAL -.00 LOL 203.37 VL 27.482 GAL 6.44 AZL 69.95 MCA 187.17 SMA 130.91 ECC .18350 INC20.0509 V1 29.69R
 RP 108.35 LAP -2.45 LOP 30.11 VP 37.895 GAP -3.67 AZP 109.91 TAL 148.75 TAP 335.93 RCA 106.89 APO 154.93 V2 34.977
 RC 62.420 GL 62.85 GP -81.30 ZAL 75.73 ZAP 81.30 ETS 77.56 ZAE 101.93 ETE 318.51 ZAC 99.26 ETC 23.72 CLP -.66

PLANETOCENTRIC CONIC

C3 110.720 VHL 10.922 DLA 66.59 RAL 197.64 RAD 6570.1 VEL 15.233 PTH 2.73 VMP 14.487 DPA -67.43 RAP 119.40 ECC 2.8222
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 26.83 0 0 48 4813.07 -15.62 238.91 100.70 24.36 1 21 1 4213.1 -22.87 235.75
 153.17 10 11 7 3083.56 -15.61 93.12 100.68 24.36 11 2 30 2483.6 -22.86 89.96
 26.83 0 0 48 4813.07 -15.62 238.91 100.70 24.36 1 21 1 4213.1 -22.87 235.75
 153.17 10 11 7 3083.56 -15.61 93.12 100.68 24.36 11 2 30 2483.6 -22.86 89.96
 26.83 0 0 48 4813.07 -15.62 238.91 100.70 24.36 1 21 1 4213.1 -22.87 235.75
 153.17 10 11 7 3083.56 -15.61 93.12 100.68 24.36 11 2 30 2483.6 -22.86 89.96

DIFFERENTIAL CORRECTIONS

TOE 3.4615 TRA-3.1220 TC3 -.1633 BAU .2416
 ROE -.4968 RRA 1.7259 RC3 .0008 FAU-.00371
 FDE-1.1509 FRA 1.2388 FC3 .0290 BSP 16430
 BDE 3.4969 BRA 3.5673 BC3 .1633 FSP -499

MID-COURSE EXECUTION ACCURACY

SGT 4688.2 SGR 2380.7 SG3 156.5
 RRT -.9525 RRF .9709 RTF -.9973
 SGB 5258.0 R23 -.0072 R13 .9997
 SGI 5217.5 SG2 651.4 TMA 153.75

ORBIT DETERMINATION ACCURACY

ST 2280.4 SR 759.4 SS 1010.8
 CRT -.8204 CRS -.8658 CST .9964
 LSA 2573.5 MSA 419.6 SSA 1.6
 ELI 2366.9 EL2 418.4 ALF 164.21

LAUNCH DATE APR 14 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 453.072

RL 150.04 LAL -1.00 LOL 203.37 VL 27.503 GAL 6.41 AZL 76.80 MCA 190.21 SMA 131.05 ECC .18219 INC13.2047 V1 29.698
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.922 GAP -3.22 AZP 103.00 TAL 148.61 TAP 338.81 RCA 107.18 APO 154.93 V2 34.990
 RC 64.367 GL 57.20 GP -76.55 ZAL 69.65 ZAP 79.49 ETS 49.14 ZAE 109.46 ETE 293.15 ZAC 103.94 ETC 1.17 CLP -38.34

PLANETOCENTRIC CONIC

C3 55.166 VML 7.427 OLA 60.23 RAL 192.93 RAD 6569.0 VEL 13.286 PTM 2.43 VMP 10.391 DPA -59.85 RAP 124.88 ECC 1.9079
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 34.34 23 55 53 4624.18 -23.98 227.44 88.20 32.92 25 12 57 4024.2 -30.61 222.82
 145.66 9 34 32 2953.49 -23.97 90.34 88.19 32.92 10 23 46 2353.5 -30.60 85.71
 34.34 23 55 53 4624.18 -23.98 227.44 88.20 32.92 25 12 57 4024.2 -30.61 222.82
 145.66 9 34 32 2953.49 -23.97 90.34 88.19 32.92 10 23 46 2353.5 -30.60 85.71
 34.34 23 55 53 4624.18 -23.98 227.44 88.20 32.92 25 12 57 4024.2 -30.61 222.82
 145.66 9 34 32 2953.49 -23.97 90.34 88.19 32.92 10 23 46 2353.5 -30.60 85.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.8501 TRA-1.7554 TC3 -.0394 BAU .1637 SGT 3078.6 SGR 4288.5 SG3 238.5 ST 1645.1 SR 1552.8 SS 1028.8
 RDE -1.1887 RRA 2.6885 RC3 -.2184 FAU .00954 RRT -.9605 RRF .9958 RTF -.9799 CRT -.9137 CRS -.9834 CST .9723
 FDE -1.0803 FRA 1.6876 FC3 -.1497 BSP 16749 SGB 5279.1 R23 -.0103 R13 .9993 LSA 2440.2 MSA 470.6 SSA 2.5
 BDE 2.1991 BRA 3.2108 BC3 .2219 FSP -770 SGI 5232.1 SG2 702.6 TMA 125.32 EL1 2213.0 EL2 469.2 ALF 136.81

LAUNCH DATE APR 14 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 459.463

RL 150.04 LAL -1.00 LOL 203.37 VL 27.521 GAL 6.38 AZL 80.50 MCA 193.32 SMA 131.18 ECC .18100 INC 9.4957 V1 29.698
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.947 GAP -2.76 AZP 99.24 TAL 148.50 TAP 341.82 RCA 107.44 APO 154.92 V2 35.003
 RC 66.356 GL 50.34 GP -71.34 ZAL 64.00 ZAP 78.84 ETS 36.17 ZAE 115.12 ETE 282.84 ZAC 107.21 ETC 353.94 CLP -52.78

PLANETOCENTRIC CONIC

C3 34.350 VML 5.861 OLA 53.76 RAL 187.31 RAD 6568.4 VEL 12.479 PTM 2.26 VMP 8.215 DPA -54.03 RAP 127.93 ECC 1.5653
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 42.19 23 54 41 4462.60 -28.31 214.29 74.07 42.19 25 9 4 3862.6 -34.08 208.23
 137.81 8 50 55 2877.22 -28.30 87.46 74.05 42.18 9 38 52 2277.2 -34.07 81.40
 42.19 23 54 41 4462.60 -28.31 214.29 74.07 42.19 25 9 4 3862.6 -34.08 208.23
 137.81 8 50 55 2877.22 -28.30 87.46 74.05 42.18 9 38 52 2277.2 -34.07 81.40
 42.19 23 54 41 4462.60 -28.31 214.29 74.07 42.19 25 9 4 3862.6 -34.08 208.23
 137.81 8 50 55 2877.22 -28.30 87.46 74.05 42.18 9 38 52 2277.2 -34.07 81.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0806 TRA-1.1230 TC3 -.0227 BAU .2644 SGT 2136.5 SGR 4795.2 SG3 340.7 ST 1194.3 SR 1688.7 SS 1074.4
 RDE -.9726 RRA 2.8130 RC3 -.5752 FAU .02117 RRT -.9393 RRF .9980 RTF -.9534 CRT -.8835 CRS -.9913 CST .9373
 FDE -1.0323 FRA 2.7242 FC3 -.5334 BSP 16628 SGB 5249.6 R23 -.0090 R13 .9991 LSA 2282.9 MSA 469.6 SSA 3.5
 BDE 1.4538 BRA 3.0289 BC3 .5756 FSP -1098 SGI 5206.0 SG2 675.0 TMA 113.12 EL1 2014.4 EL2 469.0 ALF 124.10

LAUNCH DATE APR 14 1967

FLIGHT TIME 178.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 465.876

RL 150.04 LAL -1.00 LOL 203.37 VL 27.536 GAL 6.36 AZL 82.82 MCA 196.46 SMA 131.29 ECC .18003 INC 7.1761 V1 29.698
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.970 GAP -2.29 AZP 96.88 TAL 148.40 TAP 344.86 RCA 107.65 APO 154.92 V2 35.016
 RC 68.382 GL 43.46 GP -66.80 ZAL 59.00 ZAP 79.27 ETS 27.35 ZAE 119.65 ETE 276.09 ZAC 109.94 ETC 350.60 CLP -61.82

PLANETOCENTRIC CONIC

C3 24.701 VML 4.970 OLA 47.44 RAL 182.58 RAD 6568.0 VEL 12.086 PTM 2.16 VMP 6.888 DPA -49.15 RAP 129.63 ECC 1.4065
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 50.20 0 5 12 4320.51 -29.29 200.74 61.58 50.85 1 17 13 3720.5 -34.13 193.67
 129.80 8 6 32 2854.54 -29.28 86.20 61.57 50.85 8 54 7 2254.5 -34.12 79.12
 50.20 0 5 12 4320.51 -29.29 200.74 61.58 50.85 1 17 13 3720.5 -34.13 193.67
 129.80 8 6 32 2854.54 -29.28 86.20 61.57 50.85 8 54 7 2254.5 -34.12 79.12
 50.20 0 5 12 4320.51 -29.29 200.74 61.58 50.85 1 17 13 3720.5 -34.13 193.67
 129.80 8 6 32 2854.54 -29.28 86.20 61.57 50.85 8 54 7 2254.5 -34.12 79.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7041 TRA -.7087 TC3 -.0915 BAU .3158 SGT 1458.2 SGR 4977.9 SG3 456.1 ST 888.9 SR 1708.7 SS 1155.2
 RDE -.7975 RRA 2.8161 RC3 -.9519 FAU .03245 RRT -.8897 RRF .9984 RTF -.9021 CRT -.8348 CRS -.9931 CST .8934
 FDE -1.0656 FRA 2.9384 FC3 -1.1374 BSP 16384 SGB 5187.1 R23 -.0030 R13 .9989 LSA 2201.2 MSA 446.3 SSA 4.5
 BDE 1.0638 BRA 2.9039 BC3 .9563 FSP -1466 SGI 5147.0 SG2 643.8 TMA 104.85 EL1 1873.7 EL2 446.3 ALF 114.99

LAUNCH DATE APR 14 1967

FLIGHT TIME 180.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 472.290

RL 150.04 LAL -1.00 LOL 203.37 VL 27.548 GAL 6.34 AZL 84.42 MCA 199.63 SMA 131.37 ECC .17929 INC 5.5848 V1 29.698
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.991 GAP -1.83 AZP 95.26 TAL 148.29 TAP 347.92 RCA 107.82 APO 154.93 V2 35.029
 RC 70.443 GL 37.00 GP -82.83 ZAL 54.75 ZAP 80.67 ETS 20.14 ZAE 123.37 ETE 270.21 ZAC 112.49 ETC 348.52 CLP -69.20

PLANETOCENTRIC CONIC

C3 19.604 VML 4.428 OLA 41.50 RAL 178.81 RAD 6567.8 VEL 11.874 PTM 2.11 VMP 6.009 DPA -44.84 RAP 130.41 ECC 1.3226
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.29 0 21 34 4182.03 -28.17 187.22 51.59 58.16 1 31 16 3582.0 -32.16 179.61
 121.71 7 20 10 2881.28 -28.16 87.71 51.58 58.15 8 8 11 2281.3 -32.14 80.11
 58.29 0 21 34 4182.03 -28.17 187.22 51.59 58.16 1 31 16 3582.0 -32.16 179.61
 121.71 7 20 10 2881.28 -28.16 87.71 51.58 58.15 8 8 11 2281.3 -32.14 80.11
 58.29 0 21 34 4182.03 -28.17 187.22 51.59 58.16 1 31 16 3582.0 -32.16 179.61
 121.71 7 20 10 2881.28 -28.16 87.71 51.58 58.15 8 8 11 2281.3 -32.14 80.11

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4837 TRA -.3586 TC3 -.2365 BAU .3447 SGT 905.3 SGR 5023.8 SG3 578.1 ST 653.0 SR 1709.5 SS 1261.7
 RDE -.7099 RRA 2.7805 RC3 -1.2939 FAU .04354 RRT -.7282 RRF .9985 RTF -.7425 CRT -.7549 CRS -.9934 CST .8249
 FDE -1.1837 FRA 3.6386 FC3 -1.9227 BSP 16119 SGB 5104.7 R23 .0064 R13 .9987 LSA 2184.0 MSA 413.0 SSA 5.5
 BDE .8590 BRA 2.8035 BC3 1.3153 FSP -1861 SGI 5067.5 SG2 615.1 TMA 97.59 EL1 1783.3 EL2 410.5 ALF 107.01

LAUNCH DATE APR 14 1967

FLIGHT TIME 182.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 478.698
 RL 150.04 LAL -.00 LOL 203.37 VL 27.558 GAL 6.34 AZL 85.58 HCA 202.81 SMA 131.44 ECC .17882 INC 4.4207 V1 29.698
 RP 108.14 LAP -1.71 LOP 46.12 VP 38.010 GAP -1.36 AZP 94.08 TAL 148.18 TAP 350.98 RCA 107.94 APO 154.95 V2 35.042
 RC 72.534 GL 31.12 GP -59.27 ZAL 51.26 ZAP 82.88 ETS 13.82 ZAE 126.43 ETE 264.37 ZAC 115.02 ETC 346.97 CLP -75.97

PLANETOCENTRIC CONIC

C3 16.685 VHL 4.085 OLA 36.07 RAL 175.84 RAD 6567.7 VEL 11.750 PTH 2.07 VMP 5.393 DPA -40.89 RAP 130.57 ECC 1.2746
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.66 0 50 23 4027.37 -25.94 173.01 43.95 84.01 1 57 30 3427.4 -29.21 165.19
 113.34 6 27 37 2960.69 -25.93 92.92 43.94 64.00 7 16 58 2360.7 -29.20 85.10
 66.66 0 50 23 4027.37 -25.94 173.01 43.95 64.01 1 57 30 3427.4 -29.21 165.19
 113.34 6 27 37 2960.69 -25.93 92.92 43.94 64.00 7 16 58 2360.7 -29.20 85.10
 66.66 0 50 23 4027.37 -25.94 173.01 43.95 64.01 1 57 30 3427.4 -29.21 165.19
 113.34 6 27 37 2960.69 -25.93 92.92 43.94 64.00 7 16 58 2360.7 -29.20 85.10

DIFFERENTIAL CORRECTIONS

TDE .3255 TRA -.0289 TC3 -.4507 BAU .3637
 RDE -.6761 RRA 2.7202 RC3-1.5670 FAU .05418
 FDE-1.3749 FRA 4.3415 FC3-2.8113 BSP 15852
 BDE .7503 BRA 2.7203 BC3 1.6305 FSP -2267

MID-COURSE EXECUTION ACCURACY

SGT 588.6 SGR 4981.9 SG3 700.6
 RRT -.0676 RRF .9984 RTF -.0864
 SGB 5016.5 R23 .0180 R13 .9984
 SGI 4982.0 SG2 587.3 TMA 90.46

ORBIT DETERMINATION ACCURACY

ST 456.9 SR 1704.7 SS 1384.8
 CRT -.5826 CRS -.9932 CST .6729
 LSA 2211.4 MSA 376.9 SSA 6.5
 EL1 1726.4 EL2 366.7 ALF 99.30

LAUNCH DATE APR 14 1967

FLIGHT TIME 184.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 485.095
 RL 150.04 LAL -.00 LOL 203.37 VL 27.565 GAL 6.36 AZL 86.47 HCA 206.00 SMA 131.50 ECC .17859 INC 3.5280 V1 29.698
 RP 108.10 LAP -1.55 LOP 49.32 VP 38.028 GAP -.90 AZP 93.17 TAL 148.04 TAP 354.04 RCA 108.01 APO 154.98 V2 35.056
 RC 74.652 GL 25.86 GP -55.97 ZAL 48.45 ZAP 85.78 ETS 8.15 ZAE 128.92 ETE 258.30 ZAC 117.58 ETC 345.72 CLP -82.45

PLANETOCENTRIC CONIC

C3 14.935 VHL 3.865 OLA 31.17 RAL 173.48 RAD 6567.6 VEL 11.676 PTH 2.05 VMP 4.950 DPA -37.16 RAP 130.28 ECC 1.2458
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.39 1 41 49 3815.12 -23.25 155.29 38.24 68.63 2 45 25 3215.1 -25.95 147.42
 103.61 5 17 20 3122.73 -23.24 104.15 38.23 68.62 6 9 23 2522.7 -25.94 96.28
 76.39 1 41 49 3815.12 -23.25 155.29 38.24 68.63 2 45 25 3215.1 -25.95 147.42
 103.61 5 17 20 3122.73 -23.24 104.15 38.23 68.62 6 9 23 2522.7 -25.94 96.28
 110.00 7 47 2 2656.69 -32.42 71.63 41.29 78.51 8 31 19 2056.7 -33.66 62.62
 110.00 4 11 18 3329.17 -14.67 115.37 33.76 58.77 5 6 47 2729.2 -18.70 108.57

DIFFERENTIAL CORRECTIONS

TOE .1899 TRA .2940 TC3 -.7185 BAU .3786
 RDE -.6688 RRA 2.6371 RC3-1.7548 FAU .06404
 FDE-1.6219 FRA 5.0141 FC3-3.7123 BSP 15599
 BDE .6952 BRA 2.6334 BC3 1.8962 FSP -2664

MID-COURSE EXECUTION ACCURACY

SGT 804.4 SGR 4868.5 SG3 817.4
 RRT .7153 RRF .9982 RTF .7019
 SGB 4934.5 R23 .0310 R13 .9979
 SGI 4902.8 SG2 558.2 TMA 83.17

ORBIT DETERMINATION ACCURACY

ST 320.8 SR 1692.3 SS 1517.1
 CRT -.1271 CRS -.9929 CST .2437
 LSA 2269.6 MSA 342.8 SSA 7.3
 EL1 1692.8 EL2 318.1 ALF 91.43

LAUNCH DATE APR 14 1967

FLIGHT TIME 186.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 491.476
 RL 150.04 LAL -.00 LOL 203.37 VL 27.570 GAL 6.38 AZL 87.18 HCA 209.19 SMA 131.54 ECC .17863 INC 2.8177 V1 29.698
 RP 108.06 LAP -1.37 LOP 52.53 VP 38.044 GAP -.44 AZP 92.46 TAL 147.88 TAP 357.07 RCA 108.04 APO 155.03 V2 35.069
 RC 76.795 GL 21.20 GP -52.84 ZAL 46.22 ZAP 89.24 ETS 3.02 ZAE 130.87 ETE 251.96 ZAC 120.20 ETC 344.73 CLP -88.74

PLANETOCENTRIC CONIC

C3 13.872 VHL 3.725 OLA 26.80 RAL 171.59 RAD 6567.5 VEL 11.630 PTH 2.04 VMP 4.629 DPA -33.59 RAP 129.70 ECC 1.2283
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 43 24 3186.33 -26.27 109.78 35.62 79.04 5 36 30 2586.3 -27.52 101.34
 90.00 2 0 40 3718.82 -14.84 144.47 31.74 65.60 3 2 39 3118.8 -18.01 137.23
 100.00 6 37 11 2819.51 -28.92 83.29 36.12 82.10 7 24 11 2219.5 -29.71 74.57
 100.00 2 49 34 3560.88 -12.42 131.66 30.53 62.59 3 48 55 2960.9 -15.99 124.70
 110.00 8 39 0 2438.34 -34.14 54.86 36.64 88.27 9 19 38 1838.3 -34.01 45.62
 110.00 3 4 15 3514.81 -7.90 125.48 27.84 56.63 4 2 49 2914.8 -12.24 119.07

DIFFERENTIAL CORRECTIONS

TOE .0598 TRA .6132 TC3-1.0197 BAU .3915
 RDE -.6685 RRA 2.5349 RC3-1.8484 FAU .07251
 FDE-1.8998 FRA 5.6310 FC3-4.5250 BSP 15342
 BDE .6711 BRA 2.6081 BC3 2.1110 FSP -3024

MID-COURSE EXECUTION ACCURACY

SGT 1304.7 SGR 4694.6 SG3 922.8
 RRT .9091 RRF .9980 RTF .9004
 SGB 4872.5 R23 .0443 R13 .9972
 SGI 4844.0 SG2 526.8 TMA 75.65

ORBIT DETERMINATION ACCURACY

ST 330.9 SR 1666.4 SS 1650.2
 CRT .5838 CRS -.9926 CST -.4809
 LSA 2347.7 MSA 313.4 SSA 8.1
 EL1 1677.9 EL2 266.8 ALF 83.22

LAUNCH DATE APR 14 1967

FLIGHT TIME 188.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 497.841
 RL 150.04 LAL -.00 LOL 203.37 VL 27.574 GAL 6.43 AZL 87.76 HCA 212.39 SMA 131.56 ECC .17891 INC 2.2362 V1 29.698
 RP 108.02 LAP -1.20 LOP 55.74 VP 38.058 GAP .01 AZP 91.89 TAL 147.70 TAP .09 RCA 108.02 APO 155.10 V2 35.082
 RC 78.958 GL 17.09 GP -49.81 ZAL 44.47 ZAP 93.12 ETS 358.44 ZAE 132.28 ETE 245.43 ZAC 122.84 ETC 344.03 CLP -94.83

PLANETOCENTRIC CONIC

C3 13.244 VHL 3.639 OLA 22.90 RAL 170.07 RAD 6567.5 VEL 11.603 PTH 2.03 VMP 4.398 DPA -30.12 RAP 128.94 ECC 1.2180
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 49 2 2930.16 -28.25 91.34 32.56 88.04 6 37 52 2330.2 -28.23 82.67
 90.00 0 42 54 3954.80 -7.79 158.22 26.98 62.69 1 48 48 3354.8 -11.39 151.39
 100.00 7 27 39 2612.17 -29.89 67.98 32.59 90.09 8 11 11 2012.2 -29.56 59.19
 100.00 1 46 57 3748.03 -6.35 142.24 26.20 60.73 2 49 25 3148.0 -10.21 135.57
 110.00 9 11 8 2288.41 -33.84 43.17 32.38 95.17 9 49 17 1688.4 -32.75 34.10
 110.00 2 19 58 3644.55 -2.99 132.32 24.12 55.93 3 20 42 3044.5 -7.44 126.06

DIFFERENTIAL CORRECTIONS

TDE -.0727 TRA .9261 TC3-1.3326 BAU .4049
 RDE -.6668 RRA 2.4124 RC3-1.8580 FAU .07927
 FDE-2.1901 FRA 6.1570 FC3-5.1820 BSP 15142
 BDE .6707 BRA 2.5840 BC3 2.2865 FSP -3330

MID-COURSE EXECUTION ACCURACY

SGT 1859.8 SGR 4464.3 SG3 1010.7
 RRT .9584 RRF .9977 RTF .9518
 SGB 4836.2 R23 .0568 R13 .9962
 SGI 4811.1 SG2 492.5 TMA 67.99

ORBIT DETERMINATION ACCURACY

ST 489.3 SR 1622.8 SS 1777.1
 CRT .8925 CRS -.9921 CST -.8291
 LSA 2438.8 MSA 288.5 SSA 8.8
 EL1 1681.6 EL2 213.0 ALF 74.69

LAUNCH DATE APR 14 1967

FLIGHT TIME 190.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 504.189

RL 150.04 LAL -.00 LOL 203.37 VL 27.575 GAL 6.48 AZL 88.25 MCA 215.60 SMA 131.57 ECC .17945 INC 1.7487 V1 29.698
 RP 107.98 LAP -1.02 LOP 58.95 VP 38.071 GAP .47 AZP 91.42 TAL 147.49 TAP 3.09 RCA 107.96 APO 155.18 V2 35.094
 RC 81.139 GL 13.45 GP -46.84 ZAL 43.09 ZAP 97.30 ETS 354.37 ZAE 133.18 ETE 238.86 ZAC 125.44 ETC 343.67 CLP-100.70

PLANETOCENTRIC CONIC

C3 12.912 VHL 3.593 DLA 19.44 RAL 168.84 RAD 6567.5 VEL 11.589 PTH 2.03 VMP 4.240 DPA -26.75 RAP 128.10 ECC 1.2125
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 26 53 2769.39 -28.07 79.59 29.63 93.92 7 13 2 2169.4 -27.23 71.03
 90.00 23 51 20 4104.60 -3.04 166.66 24.10 61.83 24 59 44 3504.6 -6.78 159.98
 100.00 8 0 22 2467.95 -29.40 57.29 29.50 95.68 8 41 29 1867.9 -28.30 48.66
 100.00 1 4 28 3881.28 -1.87 149.59 23.45 60.16 2 9 9 3281.3 -5.83 143.04
 110.00 9 34 48 2172.49 -32.77 34.30 28.95 100.31 10 11 0 1572.5 -31.00 25.52
 110.00 1 46 31 3749.50 1.02 137.80 21.65 55.83 2 49 0 3149.5 -3.47 131.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.2101 TRA 1.2312 TC3-1.6373 BAU .4206 SGT 2414.6 SGR 4198.1 SG3 1079.1 ST 709.6 SR 1563.4 SS 1895.3
 ROE -.6600 RRA 2.2779 RC3-1.8043 FAU .08434 RRT .9763 RRF .9974 RTF .9707 CRT .9695 CRS -.9915 CST -.9296
 FDE-2.4773 FRA 6.5818 FC3-5.6549 BSP 15092 SGB 4843.0 R23 .0673 R13 .9952 LSA 2543.1 MSA 268.8 SSA 9.4
 BOE .6926 BRA 2.5893 BC3 2.4364 FSP -3582 SG1 4821.5 SG2 455.1 TMA 60.39 EL1 1709.5 EL2 159.0 ALF 66.03

LAUNCH DATE APR 14 1967

FLIGHT TIME 192.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 510.517

RL 150.04 LAL -.00 LOL 203.37 VL 27.574 GAL 6.55 AZL 88.67 MCA 218.81 SMA 131.56 ECC .18024 INC 1.3315 V1 29.698
 RP 107.94 LAP -.83 LOP 62.17 VP 38.082 GAP .93 AZP 91.04 TAL 147.26 TAP 6.07 RCA 107.85 APO 155.28 V2 35.107
 RC 83.336 GL 10.25 GP -43.94 ZAL 41.99 ZAP 101.66 ETS 350.81 ZAE 133.58 ETE 232.44 ZAC 127.95 ETC 343.69 CLP-106.30

PLANETOCENTRIC CONIC

C3 12.795 VHL 3.577 DLA 16.35 RAL 167.85 RAD 6567.5 VEL 11.584 PTH 2.03 VMP 4.141 DPA -23.49 RAP 127.27 ECC 1.2105
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 54 33 2647.82 -27.19 70.81 27.28 98.24 7 38 40 2047.8 -25.77 62.43
 90.00 23 15 48 4222.21 .76 173.22 22.25 61.69 24 26 11 3622.2 -3.03 166.59
 100.00 8 25 4 2355.89 -28.36 49.13 27.06 99.86 9 4 20 1755.9 -26.71 40.71
 100.00 0 31 54 3989.38 1.80 155.52 21.67 60.16 1 38 23 3389.4 -2.19 149.00
 110.00 9 53 38 2078.76 -31.41 27.33 26.31 104.23 10 28 17 1478.8 -29.14 18.86
 110.00 1 19 49 3839.27 4.44 142.49 20.02 56.07 2 23 48 3239.3 -.04 136.28

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.3531 TRA 1.5236 TC3-1.9188 BAU .4387 SGT 2945.1 SGR 3899.6 SG3 1123.4 ST 950.7 SR 1486.6 SS 1998.8
 ROE -.6457 RRA 2.1309 RC3-1.7018 FAU .08749 RRT .9843 RRF .9968 RTF .9793 CRT .9912 CRS -.9907 CST -.9640
 FDE-2.7447 FRA 6.8767 FC3-5.9204 BSP 15188 SGB 4886.7 R23 .0746 R13 .9941 LSA 2654.2 MSA 253.7 SSA 10.0
 BOE .7359 BRA 2.6198 BC3 2.5647 FSP -3765 SG1 4869.0 SG2 416.3 TMA 53.06 EL1 1761.4 EL2 106.5 ALF 57.50

LAUNCH DATE APR 14 1967

FLIGHT TIME 194.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 516.825

RL 150.04 LAL -.00 LOL 203.37 VL 27.572 GAL 6.64 AZL 89.03 MCA 222.02 SMA 131.55 ECC .18128 INC .9686 V1 29.698
 RP 107.91 LAP -.65 LOP 65.38 VP 38.091 GAP 1.38 AZP 90.72 TAL 147.01 TAP 9.02 RCA 107.70 APO 155.40 V2 35.119
 RC 85.546 GL 7.42 GP -41.11 ZAL 41.12 ZAP 106.10 ETS 347.74 ZAE 133.54 ETE 226.35 ZAC 130.30 ETC 344.12 CLP-111.60

PLANETOCENTRIC CONIC

C3 12.839 VHL 3.583 DLA 13.60 RAL 167.07 RAD 6567.5 VEL 11.586 PTH 2.03 VMP 4.092 DPA -20.35 RAP 126.52 ECC 1.2113
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 16 37 2550.27 -26.05 63.90 25.49 101.52 7 59 7 1950.3 -24.20 55.72
 90.00 22 47 29 4321.30 3.94 178.76 21.10 61.94 23 59 31 3721.3 .16 172.12
 100.00 8 45 6 2264.91 -27.13 42.65 25.23 103.06 9 22 51 1664.9 -25.06 34.46
 100.00 0 5 37 4081.89 4.92 160.62 20.57 60.48 1 13 39 3481.9 .95 154.08
 110.00 10 9 23 2001.19 -29.98 21.74 24.35 107.25 10 42 44 1401.2 -27.33 13.55
 110.00 0 57 50 3918.38 7.43 146.66 19.02 56.54 2 3 8 3318.4 2.98 140.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.5008 TRA 1.8028 TC3-2.1655 BAU .4587 SGT 3441.7 SGR 3586.5 SG3 1144.3 ST 1197.9 SR 1395.1 SS 2084.2
 ROE -.6223 RRA 1.9803 RC3-1.5660 FAU .08865 RRT .9884 RRF .9961 RTF .9838 CRT .9980 CRS -.9895 CST -.9786
 FDE-2.9753 FRA 7.0478 FC3-5.9778 BSP 15424 SGB 4970.8 R23 .0775 R13 .9931 LSA 2768.8 MSA 242.6 SSA 10.4
 BOE .7988 BRA 2.6780 BC3 2.6724 FSP -3872 SG1 4956.3 SG2 378.4 TMA 46.19 EL1 1838.0 EL2 57.5 ALF 49.36

LAUNCH DATE APR 14 1967

FLIGHT TIME 196.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 523.112

RL 150.04 LAL -.00 LOL 203.37 VL 27.568 GAL 6.74 AZL 89.35 MCA 225.23 SMA 131.52 ECC .18258 INC .6480 V1 29.698
 RP 107.87 LAP -.46 LOP 68.60 VP 38.100 GAP 1.84 AZP 90.46 TAL 146.72 TAP 11.95 RCA 107.51 APO 155.53 V2 35.131
 RC 87.767 GL 4.92 GP -38.38 ZAL 40.40 ZAP 110.53 ETS 345.11 ZAE 133.12 ETE 220.74 ZAC 132.41 ETC 344.97 CLP-116.57

PLANETOCENTRIC CONIC

C3 13.019 VHL 3.608 DLA 11.14 RAL 166.46 RAD 6567.5 VEL 11.593 PTH 2.03 VMP 4.086 DPA -17.56 RAP 125.88 ECC 1.2143
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 35 8 2469.71 -24.83 58.31 24.21 104.07 8 16 17 1869.7 -22.65 50.32
 90.00 22 24 7 4407.86 6.70 183.63 20.48 62.42 23 37 35 3807.9 2.95 176.95
 100.00 9 2 4 2189.32 -25.86 37.39 23.91 105.54 9 38 33 1589.3 -23.47 29.40
 100.00 23 39 52 4163.47 7.63 165.15 19.97 61.01 24 49 15 3563.5 3.71 158.56
 110.00 10 22 59 1936.11 -28.58 17.19 22.94 109.61 10 55 15 1336.1 -25.64 9.25
 110.00 0 39 22 3989.45 10.08 150.46 18.48 57.16 1 45 51 3389.4 5.68 144.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.6520 TRA 2.0601 TC3-2.3703 BAU .4802 SGT 3698.8 SGR 3271.1 SG3 1143.4 ST 1443.2 SR 1292.8 SS 2149.9
 ROE -.5907 RRA 1.8312 RC3-1.4114 FAU .08792 RRT .9905 RRF .9950 RTF .9863 CRT .9999 CRS -.9878 CST -.9858
 FDE-3.1598 FRA 7.1032 FC3-5.8466 BSP 15785 SGB 5089.3 R23 .0752 R13 .9922 LSA 2884.6 MSA 234.7 SSA 10.8
 BOE .8798 BRA 2.7624 BC3 2.7587 FSP -3903 SG1 5077.6 SG2 344.8 TMA 39.95 EL1 1937.5 EL2 16.0 ALF 41.85

LAUNCH DATE APR 14 1967

FLIGHT TIME 198.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 529.377
 RL 150.04 LAL -.00 LOL 203.37 VL 27.563 GAL 6.86 AZL 89.64 MCA 228.45 SMA 131.48 ECC .18413 INC .3610 V1 29.698
 RP 107.83 LAP -.27 LOP 71.82 VP 38.107 GAP 2.30 AZP 90.24 TAL 146.41 TAP 14.86 RCA 107.27 APO 155.69 V2 35.143
 RC 89.996 GL 2.71 GP -35.76 ZAL 39.79 ZAP 114.86 ETS 342.87 ZAE 132.40 ETE 215.70 ZAC 134.24 ETC 346.18 CLP-121.20

PLANETOCENTRIC CONIC

C3 13.315 VML 3.649 DLA 8.93 RAL 166.00 RAD 6567.5 VEL 11.606 PTH 2.03 VMP 4.117 DPA -14.55 RAP 125.40 ECC 1.2191
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 51 10 2402.07 -23.63 53.72 23.35 106.07 8 31 12 1802.1 -21.20 45.89
 90.00 22 4 24 4485.20 9.11 188.03 20.26 63.07 23 19 9 3885.2 5.43 181.29
 100.00 9 16 51 2125.68 -24.63 33.06 23.02 107.50 9 52 17 1525.7 -22.00 25.25
 100.00 23 21 23 4236.82 10.03 169.28 19.77 61.69 24 32 0 3636.8 6.17 162.62
 110.00 10 35 1 1881.10 -27.26 13.45 21.99 111.47 11 6 22 1281.1 -24.10 5.72
 110.00 0 23 39 4054.17 12.45 153.98 18.34 57.90 1 31 13 3454.2 8.12 147.56

DIFFERENTIAL CORRECTIONS

TDE -.8056 TRA 2.3208 TC3-2.5305 BAU .5025
 ROE -.5530 RRA 1.6883 RC3-1.2515 FAU .08560
 FDE -3.2957 FRA 7.0593 FC3-5.5656 BSP 16261
 BDE .9771 BRA 2.8699 BC3 2.8231 FSP -3870

MID-COURSE EXECUTION ACCURACY

SGT 4314.8 SGR 2964.7 SG3 1123.8
 RRT .9915 RRF .9936 RTF .9878
 SGB 5235.1 R23 .0678 R13 .9915
 SG1 5225.5 SG2 317.6 TMA 34.41

ORBIT DETERMINATION ACCURACY

ST 1681.6 SR 1184.4 SS 2196.4
 CRT .9995 CRS -.9854 CST -.9899
 LSA 3000.3 MSA 229.4 SSA 11.2
 EL1 2056.6 EL2 29.5 ALF 35.15

LAUNCH DATE APR 14 1967

FLIGHT TIME 200.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 535.619
 RL 150.04 LAL -.00 LOL 203.37 VL 27.556 GAL 7.00 AZL 89.90 MCA 231.67 SMA 131.43 ECC .18595 INC .1001 V1 29.698
 RP 107.80 LAP -.08 LOP 75.04 VP 38.112 GAP 2.76 AZP 90.06 TAL 146.07 TAP 17.74 RCA 106.99 APO 155.87 V2 35.154
 RC 92.232 GL .75 GP -33.29 ZAL 39.25 ZAP 119.04 ETS 340.98 ZAE 131.46 ETE 211.26 ZAC 135.75 ETC 347.72 CLP-125.50

PLANETOCENTRIC CONIC

C3 13.715 VML 3.703 DLA 6.94 RAL 165.67 RAD 6567.5 VEL 11.623 PTH 2.04 VMP 4.181 DPA -11.95 RAP 125.10 ECC 1.2257
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 5 23 2344.76 -22.50 49.90 22.86 107.66 8 44 27 1744.8 -19.87 42.21
 90.00 21 47 32 4555.41 11.25 192.08 20.37 63.84 23 3 27 3955.4 7.64 185.26
 100.00 9 30 2 2071.72 -23.47 29.47 22.51 109.06 10 4 34 1471.7 -20.65 21.81
 100.00 23 5 34 4303.69 12.16 173.10 19.90 62.48 24 17 17 3703.7 8.38 166.35
 110.00 10 45 51 1834.43 -26.06 10.36 21.41 112.94 11 16 26 1234.4 -22.73 2.79
 110.00 0 10 10 4113.74 14.58 157.28 18.50 58.73 1 18 43 3513.7 10.33 150.76

DIFFERENTIAL CORRECTIONS

TDE -.9585 TRA 2.5645 TC3-2.6397 BAU .5236
 ROE -.5087 RRA 1.5563 RC3-1.0899 FAU .08156
 FDE -3.3736 FRA 6.9435 FC3-5.1483 BSP 16748
 BDE 1.0851 BRA 2.9998 BC3 2.8558 FSP -3761

MID-COURSE EXECUTION ACCURACY

SGT 4690.0 SGR 2674.7 SG3 1089.1
 RRT .9916 RRF .9917 RTF .9887
 SGB 5399.1 R23 .0560 R13 .9909
 SG1 5390.8 SG2 300.1 TMA 29.59

ORBIT DETERMINATION ACCURACY

ST 1907.9 SR 1072.1 SS 2220.9
 CRT .9978 CRS -.9820 CST -.9923
 LSA 3109.8 MSA 226.0 SSA 11.5
 EL1 2187.6 EL2 62.3 ALF 29.31

LAUNCH DATE APR 14 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 541.836
 RL 150.04 LAL -.00 LOL 203.37 VL 27.548 GAL 7.15 AZL 90.14 MCA 234.90 SMA 131.38 ECC .18803 INC .1360 V1 29.698
 RP 107.77 LAP -.11 LOP 78.27 VP 38.116 GAP 3.22 AZP 89.92 TAL 145.70 TAP 20.60 RCA 106.67 APO 156.08 V2 35.165
 RC 94.474 GL -.99 GP -30.98 ZAL 38.76 ZAP 123.04 ETS 339.37 ZAE 130.38 ETE 207.43 ZAC 136.92 ETC 349.50 CLP-129.49

PLANETOCENTRIC CONIC

C3 14.215 VML 3.770 DLA 5.14 RAL 165.45 RAD 6567.6 VEL 11.645 PTH 2.04 VMP 4.274 DPA -9.55 RAP 124.99 ECC 1.2339
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 18 12 2295.99 -21.46 46.70 22.67 108.93 8 56 28 1696.0 -18.68 39.13
 90.00 21 32 58 4619.90 13.15 195.86 20.77 64.70 22 49 58 4019.9 9.64 188.94
 100.00 9 41 58 2025.80 -22.42 26.46 22.30 110.31 10 15 44 1425.8 -19.45 18.93
 100.00 22 51 53 4365.32 14.07 176.68 20.31 63.35 24 4 38 3765.3 10.38 169.83
 110.00 10 55 46 1794.83 -24.99 7.78 21.16 114.12 11 25 41 1194.8 -21.51 .35
 110.00 23 54 34 4169.06 16.51 160.41 18.94 59.63 25 4 4 3569.1 12.35 153.77

DIFFERENTIAL CORRECTIONS

TDE -1.1140 TRA 2.7966 TC3-2.7123 BAU .5458
 ROE -.4638 RRA 1.4335 RC3 -.9445 FAU .07700
 FDE -3.4162 FRA 6.7603 FC3-4.6894 BSP 17356
 BDE 1.2067 BRA 3.1426 BC3 2.8720 FSP -3630

MID-COURSE EXECUTION ACCURACY

SGT 5025.6 SGR 2405.9 SG3 1043.5
 RRT .9911 RRF .9891 RTF .9891
 SGB 5571.8 R23 .0414 R13 .9905
 SG1 5564.3 SG2 289.6 TMA 25.46

ORBIT DETERMINATION ACCURACY

ST 2123.4 SR 963.2 SS 2232.2
 CRT .9948 CRS -.9776 CST -.9939
 LSA 3220.1 MSA 224.0 SSA 11.8
 EL1 2329.9 EL2 89.8 ALF 24.33

LAUNCH DATE APR 14 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 548.027
 RL 150.04 LAL -.00 LOL 203.37 VL 27.539 GAL 7.32 AZL 90.36 MCA 238.12 SMA 131.31 ECC .19038 INC .3562 V1 29.698
 RP 107.73 LAP .30 LOP 81.49 VP 38.119 GAP 3.69 AZP 89.81 TAL 145.31 TAP 23.43 RCA 106.31 APO 156.31 V2 35.175
 RC 96.719 GL -.23 GP -28.84 ZAL 38.31 ZAP 126.82 ETS 337.98 ZAE 129.22 ETE 204.15 ZAC 137.75 ETC 351.44 CLP-133.17

PLANETOCENTRIC CONIC

C3 14.812 VML 3.849 DLA 3.52 RAL 165.33 RAD 6567.6 VEL 11.670 PTH 2.05 VMP 4.393 DPA -7.37 RAP 125.07 ECC 1.2438
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 29 55 2254.43 -20.52 44.02 22.75 109.96 9 7 30 1654.4 -17.61 36.55
 90.00 21 20 19 4679.72 14.86 199.42 21.41 65.62 22 38 18 4079.7 11.45 192.40
 100.00 9 32 54 1986.75 -21.47 23.95 22.37 111.31 10 26 1 1386.7 -18.39 16.51
 100.00 22 40 0 4422.63 15.79 180.06 20.96 64.29 23 53 43 3822.6 12.21 173.11
 110.00 11 4 56 1761.32 -24.04 5.65 21.18 115.07 11 34 17 1161.3 -20.46 358.33
 110.00 23 44 28 4220.82 18.26 163.40 19.61 60.59 24 54 49 3620.8 14.21 156.63

DIFFERENTIAL CORRECTIONS

TDE -1.2699 TRA 3.0219 TC3-2.7460 BAU .5671
 ROE -.4176 RRA 1.3227 RC3 -.8126 FAU .07181
 FDE -3.4202 FRA 6.5379 FC3-4.1975 BSP 17982
 BDE 1.3367 BRA 3.2987 BC3 2.8637 FSP -3467

MID-COURSE EXECUTION ACCURACY

SGT 5325.2 SGR 2161.1 SG3 990.6
 RRT .9897 RRF .9858 RTF .9894
 SGB 5747.0 R23 .0259 R13 .9901
 SG1 5739.9 SG2 286.4 TMA 21.94

ORBIT DETERMINATION ACCURACY

ST 2325.2 SR 858.6 SS 2229.0
 CRT .9902 CRS -.9715 CST -.9950
 LSA 3326.0 MSA 222.9 SSA 12.0
 EL1 2476.1 EL2 112.5 ALF 20.13

LAUNCH DATE APR 14 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC
 RL 150.04 LAL -.00 LOL 203.37 VL 27.529 GAL 7.51 AZL 90.56 MCA 241.35 SMA 131.24 ECC .19301 INC .5613 V1 29.69R
 RP 107.70 LAP .49 LOP 84.72 VP 38.121 GAP 4.16 AZP 89.73 TAL 144.89 TAP 26.24 RCA 105.91 APO 156.57 V2 35.185
 RC 98.967 GL -3.89 GP -26.87 ZAL 37.87 ZAP 130.39 ETS 336.77 ZAE 128.03 ETE 201.36 ZAC 138.24 ETC 353.46 CLP-136.58

PLANETOCENTRIC CONIC
 C3 15.508 VML 3.938 OLA 2.06 RAL 165.30 RAD 6567.6 VEL 11.700 PTH 2.06 VMP 4.535 OPA -5.41 RAP 125.35 ECC 1.2552
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 40 44 2219.12 -19.68 41.77 23.07 110.78 9 17 43 1619.1 -16.68 34.38
 90.00 21 9 16 4735.63 16.41 202.80 22.25 66.59 22 28 12 4135.6 13.10 195.68
 100.00 10 3 2 1953.66 -20.64 21.84 22.66 112.11 10 35 36 1353.7 -17.46 14.49
 100.00 22 29 39 4476.33 17.35 183.29 21.81 65.27 23 44 16 3876.3 13.87 176.22
 110.00 11 13 29 1733.18 -23.21 3.87 21.43 115.83 11 42 22 1133.2 -19.55 356.65
 110.00 23 35 42 4269.58 19.87 166.27 20.48 61.59 24 46 52 3669.6 15.92 159.37

DIFFERENTIAL CORRECTIONS
 TOE-1.4259 TRA 3.2430 TC3-2.7454 BAU .5872
 ROE -.3711 RRA 1.2240 RC3 -.6955 FAU .06629
 FDE-3.3921 FRA 6.2929 FC3-3.7005 BSP 18609
 BOE 1.4734 BRA 3.4663 BC3 2.8322 FSP -3284

MID-COURSE EXECUTION ACCURACY
 SGT 5592.0 SGR 1940.9 SG3 933.7
 RRT .9875 RRF .9815 RTF .9895
 SGB 5919.3 R23 .0112 R13 .9898
 SGI 5912.2 SG2 289.2 TMA 18.97

ORBIT DETERMINATION ACCURACY
 ST 2512.9 SR 760.0 SS 2213.4
 CRT .9836 CRS -.9631 CST -.9958
 LSA 3426.7 MSA 222.2 SSA 12.2
 EL1 2622.0 EL2 131.4 ALF 16.61

LAUNCH DATE APR 14 1967

FLIGHT TIME 208.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC
 RL 150.04 LAL -.00 LOL 203.37 VL 27.517 GAL 7.72 AZL 90.75 MCA 244.58 SMA 131.16 ECC .19594 INC .7543 V1 29.69R
 RP 107.67 LAP .68 LOP 87.95 VP 38.121 GAP 4.64 AZP 89.68 TAL 144.45 TAP 29.03 RCA 105.46 APO 156.85 V2 35.195
 RC 101.218 GL -5.10 GP -25.06 ZAL 37.43 ZAP 133.73 ETS 335.69 ZAE 126.86 ETE 199.01 ZAC 138.42 ETC 355.47 CLP-139.74

PLANETOCENTRIC CONIC
 C3 16.307 VML 4.038 OLA .73 RAL 165.36 RAD 6567.7 VEL 11.734 PTH 2.07 VMP 4.697 OPA -3.67 RAP 125.80 ECC 1.2684
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 50 49 2189.31 -18.95 39.89 23.58 111.45 9 27 18 1589.3 -15.87 32.57
 90.00 20 59 37 4788.26 17.80 206.03 23.29 67.61 22 19 25 4188.3 14.61 198.81
 100.00 10 12 29 1925.84 -19.92 20.09 23.17 112.76 10 44 35 1325.8 -16.66 12.81
 100.00 22 20 37 4526.96 18.77 186.38 22.85 66.30 23 36 4 3927.0 15.40 179.20
 110.00 11 21 31 1709.80 -22.51 2.42 21.89 116.43 11 50 0 1109.8 -18.78 355.27
 110.00 23 28 6 4315.77 21.34 169.04 21.54 62.64 24 40 1 3715.8 17.50 162.01

DIFFERENTIAL CORRECTIONS
 TOE-1.5826 TRA 3.4621 TC3-2.7145 BAU .6058
 ROE -.3255 RRA 1.1368 RC3 -.5932 FAU .06063
 FDE-3.3404 FRA 6.0382 FC3-3.2185 BSP 19223
 BOE 1.6157 BRA 3.6440 BC3 2.7786 FSP -3092

MID-COURSE EXECUTION ACCURACY
 SGT 5829.4 SGR 1744.9 SG3 875.3
 RRT .9842 RRF .9761 RTF .9894
 SGB 6085.0 R23 -.0015 R13 .9895
 SGI 6077.8 SG2 295.9 TMA 16.46

ORBIT DETERMINATION ACCURACY
 ST 2686.7 SR 669.1 SS 2188.4
 CRT .9742 CRS -.9518 CST -.9964
 LSA 3522.1 MSA 221.9 SSA 12.3
 EL1 2764.8 EL2 146.9 ALF 13.68

LAUNCH DATE APR 14 1967

FLIGHT TIME 210.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC
 RL 150.04 LAL -.00 LOL 203.37 VL 27.505 GAL 7.95 AZL 90.94 MCA 247.82 SMA 131.07 ECC .19917 INC .9374 V1 29.69R
 RP 107.65 LAP .87 LOP 91.18 VP 38.121 GAP 5.13 AZP 89.65 TAL 143.98 TAP 31.80 RCA 104.96 APO 157.17 V2 35.204
 RC 103.470 GL -6.17 GP -23.42 ZAL 36.99 ZAP 136.86 ETS 334.70 ZAE 125.72 ETE 197.03 ZAC 138.30 ETC 357.43 CLP-142.67

PLANETOCENTRIC CONIC
 C3 17.216 VML 4.149 OLA -.48 RAL 165.48 RAD 6567.7 VEL 11.773 PTH 2.08 VMP 4.879 OPA -2.12 RAP 126.42 ECC 1.2833
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 0 14 2164.39 -18.32 38.33 24.28 111.98 9 36 19 1564.4 -15.18 31.06
 90.00 20 51 11 4838.08 19.07 209.14 24.49 68.66 22 11 49 4238.1 16.00 201.81
 100.00 10 21 21 1902.73 -19.30 18.65 23.85 113.28 10 53 4 1302.7 -15.99 11.43
 100.00 22 12 45 4574.98 20.05 189.37 24.06 67.36 23 29 0 3975.0 16.81 182.07
 110.00 11 29 5 1690.70 -21.93 1.25 22.54 116.90 11 57 16 1090.7 -18.14 354.16
 110.00 23 21 30 4359.77 22.69 171.74 22.78 63.72 24 34 10 3759.8 18.98 164.58

DIFFERENTIAL CORRECTIONS
 TOE-1.7373 TRA 3.6844 TC3-2.6515 BAU .6211
 ROE -.2802 RRA 1.0609 RC3 -.5025 FAU .05473
 FDE-3.2646 FRA 5.7880 FC3-2.7521 BSP 19742
 BOE 1.7597 BRA 3.8340 BC3 2.6986 FSP -2884

MID-COURSE EXECUTION ACCURACY
 SGT 6040.1 SGR 1571.5 SG3 817.0
 RRT .9797 RRF .9694 RTF .9893
 SGB 6241.2 R23 -.0115 R13 .9892
 SGI 6233.7 SG2 305.5 TMA 14.34

ORBIT DETERMINATION ACCURACY
 ST 2844.2 SR 585.7 SS 2152.8
 CRT .9604 CRS -.9358 CST -.9969
 LSA 3608.0 MSA 221.8 SSA 12.5
 EL1 2899.4 EL2 160.0 ALF 11.22

LAUNCH DATE APR 14 1967

FLIGHT TIME 212.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC
 RL 150.04 LAL -.00 LOL 203.37 VL 27.492 GAL 8.20 AZL 91.11 MCA 251.05 SMA 130.97 ECC .20271 INC 1.1121 V1 29.69R
 RP 107.62 LAP 1.05 LOP 94.42 VP 38.119 GAP 5.63 AZP 89.64 TAL 143.50 TAP 34.55 RCA 104.42 APO 157.52 V2 35.212
 RC 105.723 GL -7.10 GP -21.93 ZAL 36.55 ZAP 139.78 ETS 333.75 ZAE 124.63 ETE 195.35 ZAC 137.93 ETC 359.27 CLP-145.40

PLANETOCENTRIC CONIC
 C3 18.243 VML 4.271 OLA -1.57 RAL 165.67 RAD 6567.7 VEL 11.816 PTH 2.09 VMP 5.080 OPA -.77 RAP 127.21 ECC 1.3002
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 9 6 2143.92 -17.79 37.06 25.15 112.40 9 44 50 1543.9 -14.60 29.83
 90.00 20 43 48 4885.49 20.21 212.14 25.84 69.74 22 5 14 4285.5 17.27 204.70
 100.00 10 29 43 1883.89 -18.79 17.49 24.70 113.68 11 1 6 1283.9 -15.43 10.31
 100.00 22 5 53 4620.75 21.23 192.26 25.43 68.44 23 22 53 4020.8 18.11 184.85
 110.00 11 36 16 1675.52 -21.46 .32 23.35 117.27 12 4 12 1075.5 -17.63 353.28
 110.00 23 15 48 4401.89 23.94 174.38 24.16 64.83 24 29 10 3801.9 20.35 167.08

DIFFERENTIAL CORRECTIONS
 TOE-1.8956 TRA 3.9061 TC3-2.5739 BAU .6364
 ROE -.2375 RRA .9935 RC3 -.4273 FAU .04932
 FDE-3.4029 FRA 5.5388 FC3-2.3407 BSP 20299
 BOE 1.9104 BRA 4.0304 BC3 2.6092 FSP -2693

MID-COURSE EXECUTION ACCURACY
 SGT 6227.1 SGR 1418.5 SG3 760.5
 RRT .9737 RRF .9611 RTF .9891
 SGB 6386.6 R23 -.0199 R13 .9890
 SGI 6378.9 SG2 315.3 TMA 12.54

ORBIT DETERMINATION ACCURACY
 ST 2990.5 SR 511.5 SS 2114.3
 CRT .9814 CRS -.9144 CST -.9973
 LSA 3691.3 MSA 221.7 SSA 12.5
 EL1 3029.2 EL2 170.4 ALF 9.18

LAUNCH DATE APR 14 1967

FLIGHT TIME 214.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 578.532

RL 150.04 LAL -1.00 LOL 203.37 VL 27.477 GAL 8.47 AZL 91.28 MCA 254.29 SMA 130.87 ECC .20660 INC 1.2803 V1 29.698
 RP 107.60 LAP 1.23 LOP 97.65 VP 38.116 GAP 6.13 AZP 89.65 TAL 142.99 TAP 37.28 RCA 103.83 APO 157.91 V2 35.220
 RC 107.975 GL -7.93 GP -20.58 ZAL 36.10 ZAP 142.51 ETS 332.82 ZAE 123.60 ETE 193.94 ZAC 137.34 ETC .98 CLP-147.94

PLANETOCENTRIC CONIC

C3 19.399 VHL 4.404 DLA -2.57 RAL 165.91 RAD 6567.8 VEL 11.865 PTH 2.10 VHP 5.298 DPA .41 RAP 128.14 ECC 1.3193
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 17 27 2127.49 -17.36 36.04 26.16 112.72 9 52 55 1527.5 -14.14 28.85
 90.00 20 37 23 4930.82 21.25 215.06 27.34 70.84 21 59 34 4330.8 18.44 207.51
 100.00 10 37 36 1868.95 -18.38 16.57 25.70 114.00 11 8 45 1269.0 -14.98 9.42
 100.00 21 59 55 4664.59 22.29 195.08 26.93 69.56 23 17 40 4064.6 19.31 187.55
 110.00 11 43 6 1663.92 -21.09 359.61 24.31 117.54 12 10 50 1063.9 -17.24 352.61
 110.00 23 10 55 4442.39 25.08 176.97 25.69 65.98 24 24 57 3842.4 21.62 169.52

DIFFERENTIAL CORRECTIONS

TOE-2.0554 TRA 4.1325 TC3-2.4781 BAU .6495
 ROE -.1965 RRA .9345 RC3 -.3630 FAU .04413
 FDE-3.0931 FRA 5.3015 FC3-1.9694 BSP 20814
 BOE 2.0648 BRA 4.2369 BC3 2.5045 FSP -2507

MID-COURSE EXECUTION ACCURACY

SGT 6393.2 SGR 1283.9 SG3 706.5
 RRT .9661 RRF .9510 RTF .9889
 SGB 6520.9 R23 -.0264 R13 .9887
 SG1 6512.7 SG2 325.4 TMA 11.01

ORBIT DETERMINATION ACCURACY

ST 3124.1 SR 445.8 SS 2071.5
 CRT .9145 CRS -.8849 CST -.9977
 LSA 3768.4 MSA 221.5 SSA 12.6
 EL1 3150.7 EL2 178.9 ALF 7.46

LAUNCH DATE APR 14 1967

FLIGHT TIME 216.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 584.526

RL 150.04 LAL -1.00 LOL 203.37 VL 27.462 GAL 8.77 AZL 91.44 MCA 257.52 SMA 130.77 ECC .21084 INC 1.4434 V1 29.698
 RP 107.58 LAP 1.41 LOP 100.89 VP 38.111 GAP 6.65 AZP 89.69 TAL 142.46 TAP 39.99 RCA 103.20 APO 158.34 V2 35.227
 RC 110.226 GL -8.64 GP -19.36 ZAL 35.63 ZAP 145.06 ETS 331.88 ZAE 122.64 ETE 192.74 ZAC 136.54 ETC 2.52 CLP-150.33

PLANETOCENTRIC CONIC

C3 20.696 VHL 4.549 DLA -3.47 RAL 166.20 RAD 6567.8 VEL 11.920 PTH 2.12 VHP 5.532 DPA 1.41 RAP 129.19 ECC 1.3406
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 25 22 2114.80 -17.03 35.26 27.31 112.97 10 0 37 1514.8 -13.77 28.10
 90.00 20 31 48 4974.35 22.20 217.90 28.96 71.95 21 54 43 4374.3 19.53 210.25
 100.00 10 45 5 1857.63 -18.07 15.88 26.83 114.23 11 16 3 1257.6 -14.64 8.76
 100.00 21 54 46 4706.74 23.27 197.83 28.57 70.69 23 13 13 4106.7 20.42 190.19
 110.00 11 49 36 1655.65 -20.83 359.12 25.40 117.73 12 17 12 1055.6 -16.96 352.13
 110.00 23 6 44 4481.49 26.14 179.51 27.35 67.15 24 21 26 3881.5 22.82 171.93

DIFFERENTIAL CORRECTIONS

TOE-2.2175 TRA 4.3649 TC3-2.3683 BAU .6608
 ROE -.1572 RRA .8827 RC3 -.3082 FAU .03923
 FDE-2.9995 FRA 5.0776 FC3-1.6408 BSP 21302
 BOE 2.2231 BRA 4.4532 BC3 2.3883 FSP -2331

MID-COURSE EXECUTION ACCURACY

SGT 6540.2 SGR 1165.4 SG3 655.4
 RRT .9566 RRF .9391 RTF .9887
 SGB 6643.3 R23 -.0314 R13 .9884
 SG1 6634.8 SG2 334.9 TMA 9.70

ORBIT DETERMINATION ACCURACY

ST 3245.6 SR 388.5 SS 2026.1
 CRT .8769 CRS -.8445 CST -.9979
 LSA 3839.4 MSA 221.1 SSA 12.7
 EL1 3263.5 EL2 185.7 ALF 6.01

LAUNCH DATE APR 14 1967

FLIGHT TIME 218.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 590.478

RL 150.04 LAL -1.00 LOL 203.37 VL 27.447 GAL 9.09 AZL 91.60 MCA 260.76 SMA 130.66 ECC .21546 INC 1.6024 V1 29.698
 RP 107.56 LAP 1.58 LOP 104.13 VP 38.106 GAP 7.19 AZP 89.74 TAL 141.92 TAP 42.69 RCA 102.50 APO 158.81 V2 35.233
 RC 112.475 GL -9.27 GP -18.26 ZAL 35.16 ZAP 147.45 ETS 330.89 ZAE 121.74 ETE 191.73 ZAC 135.57 ETC 3.91 CLP-152.57

PLANETOCENTRIC CONIC

C3 22.152 VHL 4.707 DLA -4.29 RAL 166.54 RAD 6567.9 VEL 11.980 PTH 2.14 VHP 5.784 DPA 2.27 RAP 130.37 ECC 1.3646
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 32 51 2105.58 -16.78 34.70 28.58 113.15 10 7 56 1505.6 -13.51 27.55
 90.00 20 27 0 5016.30 23.06 220.68 30.71 73.09 21 50 36 4416.3 20.52 212.92
 100.00 10 52 10 1849.68 -17.84 15.39 28.09 114.39 11 23 0 1249.7 -14.40 8.29
 100.00 21 50 21 4747.44 24.16 200.53 30.33 71.84 23 9 29 4147.4 21.45 192.78
 110.00 11 55 48 1650.48 -20.67 358.80 26.62 117.85 12 23 19 1050.5 -16.78 351.84
 110.00 23 3 13 4519.40 27.12 182.02 29.14 68.35 24 18 32 3919.4 23.94 174.31

DIFFERENTIAL CORRECTIONS

TOE-2.3818 TRA 4.6060 TC3-2.2466 BAU .6698
 ROE -.1194 RRA .8371 RC3 -.2615 FAU .03461
 FDE-2.9036 FRA 4.8698 FC3-1.3526 BSP 21741
 BOE 2.3848 BRA 4.6814 BC3 2.2618 FSP -2164

MID-COURSE EXECUTION ACCURACY

SGT 6670.5 SGR 1061.1 SG3 607.6
 RRT .9449 RRF .9249 RTF .9884
 SGB 6754.4 R23 -.0351 R13 .9882
 SG1 6745.6 SG2 343.6 TMA 8.57

ORBIT DETERMINATION ACCURACY

ST 3355.0 SR 339.4 SS 1978.6
 CRT .8248 CRS -.7896 CST -.9982
 LSA 3903.5 MSA 220.7 SSA 12.7
 EL1 3366.7 EL2 191.2 ALF 4.78

LAUNCH DATE APR 14 1967

FLIGHT TIME 220.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 596.382

RL 150.04 LAL -1.00 LOL 203.37 VL 27.431 GAL 9.44 AZL 91.76 MCA 264.00 SMA 130.54 ECC .22049 INC 1.7586 V1 29.698
 RP 107.54 LAP 1.75 LOP 107.37 VP 38.100 GAP 7.74 AZP 89.82 TAL 141.37 TAP 45.37 RCA 101.76 APO 159.32 V2 35.239
 RC 114.720 GL -9.80 GP -17.26 ZAL 34.67 ZAP 149.69 ETS 329.84 ZAE 120.90 ETE 190.86 ZAC 134.45 ETC 5.13 CLP-154.69

PLANETOCENTRIC CONIC

C3 23.785 VHL 4.877 DLA -5.03 RAL 166.91 RAD 6568.0 VEL 12.048 PTH 2.15 VHP 6.053 DPA 2.98 RAP 131.65 ECC 1.3914
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 39 56 2099.63 -16.62 34.33 29.97 113.26 10 14 55 1499.6 -13.33 27.20
 90.00 20 22 53 5056.89 23.83 223.40 32.57 74.24 21 47 10 4456.9 21.44 215.54
 100.00 10 58 54 1844.88 -17.71 15.10 29.47 114.48 11 29 39 1244.9 -14.26 8.01
 100.00 21 46 36 4786.87 24.97 203.17 32.20 73.01 23 6 23 4186.9 22.41 195.32
 110.00 12 1 43 1648.24 -20.60 358.67 27.96 117.90 12 29 11 1048.2 -16.70 351.71
 110.00 23 0 17 4556.28 28.02 184.51 31.05 69.57 24 16 13 3956.3 24.98 176.66

DIFFERENTIAL CORRECTIONS

TOE-2.5464 TRA 4.8601 TC3-2.1108 BAU .6749
 ROE -.0825 RRA -.7972 RC3 -.2206 FAU .03010
 FDE-2.8044 FRA 4.6816 FC3-1.0956 BSP 22062
 BOE 2.5477 BRA 4.9251 BC3 2.1223 FSP -1998

MID-COURSE EXECUTION ACCURACY

SGT 6783.5 SGR 969.4 SG3 563.1
 RRT .9307 RRF .9085 RTF .9882
 SGB 6854.4 R23 -.0373 R13 .9880
 SG1 6845.4 SG2 351.4 TMA 7.59

ORBIT DETERMINATION ACCURACY

ST 3451.1 SR 298.3 SS 1928.5
 CRT .7530 CRS -.7150 CST -.9984
 LSA 3958.5 MSA 220.2 SSA 12.7
 EL1 3458.4 EL2 195.9 ALF 3.74

LAUNCH DATE APR 15 1967 FLIGHT TIME 70.00 ARRIVAL DATE JUN 24 1967

HELIOCENTRIC CONIC DISTANCE 120.959
 RL 150.08 LAL -1.00 LOL 204.35 VL 13.223 GAL 40.33 AZL 86.47 MCA 25.52 SMA 83.27 ECC .89045 INC 3.5290 V1 29.689
 RP 108.32 LAP 1.52 LOP 229.82 VP 29.270 GAP -61.50 AZP 86.81 TAL 173.71 TAP 199.23 RCA 9.12 APO 157.42 V2 34.986
 RC 101.881 GL 1.68 GP 2.59 ZAL 67.65 ZAP 39.18 ETS 186.50 ZAE 131.57 ETE 179.21 ZAC 162.83 ETC 81.78 CLP 39.11

PLANETOCENTRIC CONIC
 C3 450.618 VML 21.228 DLA 17.43 RAL 139.69 RAD 6572.2 VEL 23.915 PTH 3.31 VMP 33.486 DPA 26.76 RAP 88.57 ECC 8.4160
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 47 43 3406.08 -22.56 124.79 53.62 72.41 5 44 29 2806.1 -24.75 116.81
 90.00 21 30 3 4899.75 20.55 213.06 39.40 70.07 22 51 43 4299.8 17.65 205.58
 100.00 6 19 10 3111.16 -24.46 103.76 54.28 72.26 7 11 1 2511.2 -26.66 95.65
 100.00 22 41 17 4669.90 22.42 195.42 38.66 69.69 23 59 7 4069.9 19.45 187.88
 110.00 7 49 38 2828.13 -29.40 84.07 56.08 71.73 8 36 46 2228.1 -31.61 75.56
 110.00 23 27 19 4525.70 27.28 182.45 36.62 68.55 24 42 45 3925.7 24.12 174.71

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TOE .7947 TRA-2.3213 TC3 -.0992 BAU .5979 SGT 809.2 SGR 464.6 SG3 20.8 ST 291.5 SR 430.5 SS 279.8
 RDE-1.5821 RRA -.6474 RC3 -.0000 FAU .01072 RRT .0763 RRF -.0683 RTF -.6057 CRT -.6436 CRS -.6639 CST .9972
 FDE -.2701 FRA .7481 FC3 -.0206 BSP 1875 SGB 933.1 R23 .0003 R13 -.6061 LSA 537.0 MSA 245.0 SSA 14.2
 BDE 1.7705 BRA 2.4099 BC3 .0992 FSP -42 SGI 810.3 SG2 462.6 TMA 3.72 ELI 479.9 EL2 200.2 ALF 119.07

LAUNCH DATE APR 15 1967 FLIGHT TIME 72.00 ARRIVAL DATE JUN 26 1967

HELIOCENTRIC CONIC DISTANCE 125.875
 RL 150.08 LAL -1.00 LOL 204.35 VL 14.086 GAL 38.14 AZL 87.19 MCA 28.70 SMA 84.52 ECC .86807 INC 2.8080 V1 29.689
 RP 108.36 LAP 1.35 LOP 233.02 VP 29.654 GAP -58.84 AZP 87.54 TAL 172.79 TAP 201.48 RCA 11.15 APO 157.89 V2 34.973
 RC 99.454 GL 1.53 GP 2.64 ZAL 66.21 ZAP 37.65 ETS 186.73 ZAE 131.37 ETE 178.90 ZAC 162.37 ETC 76.58 CLP 37.57

PLANETOCENTRIC CONIC
 C3 414.439 VML 20.358 DLA 16.85 RAL 141.08 RAD 6572.1 VEL 23.146 PTH 3.28 VMP 32.344 DPA 26.91 RAP 90.42 ECC 7.8206
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 59 1 3376.40 -23.15 122.82 54.36 73.23 5 55 18 2776.4 -25.23 114.77
 90.00 21 29 51 4914.09 20.88 213.98 40.32 70.42 22 51 45 4314.1 18.02 206.47
 100.00 6 29 58 3083.14 -25.03 101.87 54.98 73.10 7 21 21 2483.1 -27.10 93.69
 100.00 22 41 35 4682.58 22.72 196.25 39.61 70.03 23 59 38 4082.6 19.79 188.67
 110.00 7 59 23 2803.35 -29.92 82.32 56.68 72.64 8 46 6 2203.4 -32.00 73.73
 110.00 23 28 39 4535.13 27.51 183.08 37.63 68.86 24 44 14 3935.1 24.39 175.30

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TOE .8131 TRA-2.3444 TC3 -.1062 BAU .5885 SGT 845.4 SGR 471.6 SG3 22.3 ST 308.7 SR 435.0 SS 295.9
 RDE-1.5321 RRA -.6495 RC3 .0004 FAU .01070 RRT .0808 RRF -.0728 RTF -.6238 CRT -.6466 CRS -.6712 CST .9972
 FDE -.2871 FRA .7754 FC3 -.0224 BSP 1993 SGB 968.0 R23 .0001 R13 -.6242 LSA 555.4 MSA 251.9 SSA 14.4
 BDE 1.7345 BRA 2.4327 BC3 .1062 FSP -46 SGI 846.6 SG2 469.4 TMA 3.73 ELI 490.9 EL2 208.7 ALF 120.80

LAUNCH DATE APR 15 1967 FLIGHT TIME 74.00 ARRIVAL DATE JUN 28 1967

HELIOCENTRIC CONIC DISTANCE 130.943
 RL 150.08 LAL -1.00 LOL 204.35 VL 14.904 GAL 36.18 AZL 87.78 MCA 31.88 SMA 85.82 ECC .84488 INC 2.2202 V1 29.689
 RP 108.40 LAP 1.17 LOP 236.21 VP 30.036 GAP -56.32 AZP 88.11 TAL 171.86 TAP 203.73 RCA 13.31 APO 158.32 V2 34.960
 RC 97.034 GL 1.37 GP 2.70 ZAL 64.81 ZAP 36.15 ETS 186.97 ZAE 131.23 ETE 178.56 ZAC 161.77 ETC 71.62 CLP 36.06

PLANETOCENTRIC CONIC
 C3 381.363 VML 19.529 DLA 16.26 RAL 142.41 RAD 6572.0 VEL 22.420 PTH 3.25 VMP 31.240 DPA 27.05 RAP 92.30 ECC 7.2763
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 10 2 3346.40 -23.73 120.81 54.98 74.08 6 5 48 2746.4 -25.69 112.69
 90.00 21 29 28 4927.84 21.19 214.87 41.18 70.76 22 51 36 4327.8 18.37 207.33
 100.00 6 40 29 3054.72 -25.58 99.94 55.56 73.98 7 31 24 2454.7 -27.53 91.68
 100.00 22 41 43 4694.75 23.00 197.04 40.49 70.36 23 59 57 4094.8 20.11 189.44
 110.00 8 8 54 2778.10 -30.42 80.52 57.16 73.60 8 55 12 2178.1 -32.36 71.85
 110.00 23 29 47 4544.14 27.73 183.69 38.56 69.16 24 45 31 3944.1 24.64 175.88

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TOE .8304 TRA-2.3689 TC3 -.1135 BAU .5787 SGT 883.2 SGR 478.1 SG3 24.0 ST 326.7 SR 438.9 SS 312.4
 RDE-1.4821 RRA -.6500 RC3 .0010 FAU .01070 RRT .0857 RRF -.0775 RTF -.6414 CRT -.6487 CRS -.6777 CST .9971
 FDE -.3043 FRA .8031 FC3 -.0243 BSP 2106 SGB 1004.3 R23 -.0001 R13 -.6418 LSA 574.4 MSA 258.5 SSA 14.7
 BDE 1.6989 BRA 2.4565 BC3 .1135 FSP -50 SGI 884.5 SG2 475.6 TMA 3.74 ELI 502.1 EL2 217.3 ALF 122.60

LAUNCH DATE APR 15 1967 FLIGHT TIME 76.00 ARRIVAL DATE JUN 30 1967

HELIOCENTRIC CONIC DISTANCE 136.151
 RL 150.08 LAL -1.00 LOL 204.35 VL 15.679 GAL 34.41 AZL 88.27 MCA 35.06 SMA 87.15 ECC .82111 INC 1.7292 V1 29.689
 RP 108.44 LAP .99 LOP 239.39 VP 30.414 GAP -53.94 AZP 88.58 TAL 170.92 TAP 205.97 RCA 15.59 APO 158.72 V2 34.947
 RC 94.621 GL 1.19 GP 2.76 ZAL 63.45 ZAP 34.68 ETS 187.24 ZAE 131.14 ETE 178.20 ZAC 161.01 ETC 66.95 CLP 34.58

PLANETOCENTRIC CONIC
 C3 351.073 VML 18.737 DLA 15.66 RAL 143.69 RAD 6571.9 VEL 21.734 PTH 3.22 VMP 30.172 DPA 27.17 RAP 94.22 ECC 6.7778
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 20 45 3316.05 -24.28 118.76 55.49 74.96 6 16 1 2716.1 -26.11 110.57
 90.00 21 28 56 4941.00 21.48 215.72 41.95 71.09 22 51 17 4341.0 18.70 208.15
 100.00 6 50 44 3025.90 -26.10 97.96 56.03 74.89 7 41 10 2425.9 -27.92 89.63
 100.00 22 41 39 4706.38 23.26 197.81 41.28 70.68 24 0 6 4106.4 20.41 190.17
 110.00 8 18 10 2752.34 -30.90 78.67 57.52 74.60 9 4 2 2152.3 -32.70 69.92
 110.00 23 30 43 4552.71 27.94 184.27 39.41 69.45 24 46 35 3952.7 24.88 176.43

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TOE .8501 TRA-2.3910 TC3 -.1207 BAU .5666 SGT 921.3 SGR 484.0 SG3 25.8 ST 345.9 SR 442.2 SS 329.5
 RDE-1.4320 RRA -.6490 RC3 .0016 FAU .01072 RRT .0895 RRF -.0819 RTF -.6586 CRT -.6521 CRS -.6842 CST .9971
 FDE -.3222 FRA .8307 FC3 -.0264 BSP 2297 SGB 1040.7 R23 -.0009 R13 -.6590 LSA 594.7 MSA 264.4 SSA 14.9
 BDE 1.6653 BRA 2.4776 BC3 .1207 FSP -55 SGI 922.7 SG2 481.3 TMA 3.70 ELI 514.1 EL2 225.6 ALF 124.58

LAUNCH DATE APR 15 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 2 1967

HELIOCENTRIC CONIC

DISTANCE 141.494

RL 150.08 LAL -.00 LOL 204.35 VL 16.411 GAL 32.80 AZL 88.69 MCA 38.24 SMA 88.52 ECC .79695 INC 1.3105 V1 29.689
 RP 108.48 LAP .81 LOP 242.58 VP 30.784 GAP -51.68 A7P 88.97 TAL 169.98 TAP 208.22 RCA 17.97 APO 159.07 V2 34.935
 RC 92.217 GL 1.01 GP 2.83 ZAL 62.14 ZAP 33.23 ETS 187.54 ZAE 131.11 ETE 177.82 ZAC 160.13 ETC 62.62 CLP 33.12

PLANETOCENTRIC CONIC

C3 323.303 VML 17.981 DLA 15.06 RAL 144.91 RAD 6571.8 VEL 21.086 PTH 3.19 VMP 29.138 DPA 27.27 RAP 96.16 ECC 6.3207
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 31 12 3285.32 -24.81 116.66 55.88 75.89 6 25 57 2685.3 -26.50 108.40
 90.00 21 28 15 4953.56 21.75 216.54 42.65 71.41 22 50 49 4353.6 19.01 208.94
 100.00 7 0 43 2996.64 -26.61 95.93 56.39 75.85 7 50 40 2396.6 -28.29 87.53
 100.00 22 41 25 4717.48 23.51 198.54 42.00 70.99 24 0 3 4117.5 20.70 190.87
 110.00 8 27 11 2726.07 -31.36 76.76 57.77 75.64 9 12 37 2126.1 -33.01 67.93
 110.00 23 31 26 4560.81 28.13 184.82 40.17 69.73 24 47 27 3960.8 25.11 176.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8668 TRA-2.4162 TC3 -.1284 BAU .5551 SGT 961.9 SGR 489.4 SG3 27.7 ST 365.6 SR 445.0 SS 346.9
 ROE-1.3819 RRA -.6465 RC3 .0024 FAU .01074 RRT .0945 RRF -.0870 RTF -.6751 CRT -.6535 CRS -.6895 CST .9970
 FDE -.3401 FRA .8591 FC3 -.0288 BSP 2435 SGB 1079.2 R23 -.0012 R13 -.6755 LSA 615.5 MSA 270.2 SSA 15.1
 BOE 1.6313 BRA 2.5012 BC3 .1284 FSP -60 SGI 963.4 SG2 486.4 TMA 3.70 ELI 526.2 EL2 234.0 ALF 126.58

LAUNCH DATE APR 15 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 4 1967

HELIOCENTRIC CONIC

DISTANCE 146.961

RL 150.08 LAL -.00 LOL 204.35 VL 17.104 GAL 31.30 AZL 89.05 MCA 41.42 SMA 89.91 ECC .77257 INC .9473 V1 29.689
 RP 108.51 LAP .63 LOP 245.76 VP 31.145 GAP -49.54 A7P 89.29 TAL 169.04 TAP 210.46 RCA 20.45 APO 159.38 V2 34.923
 RC 89.824 GL .80 GP 2.91 ZAL 60.87 ZAP 31.81 ETS 187.87 ZAE 131.14 ETE 177.40 ZAC 159.13 ETC 58.63 CLP 31.69

PLANETOCENTRIC CONIC

C3 297.811 VML 17.257 DLA 14.45 RAL 146.08 RAD 6571.7 VEL 20.472 PTH 3.16 VMP 28.136 DPA 27.36 RAP 98.13 ECC 5.9012
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 41 22 3254.17 -25.31 114.52 56.16 76.85 6 35 36 2654.2 -26.87 106.20
 90.00 21 27 24 4965.52 22.01 217.32 43.27 71.72 22 50 10 4365.5 19.31 209.69
 100.00 7 10 27 2966.90 -27.08 93.85 56.62 76.84 7 59 54 2366.9 -28.62 85.39
 100.00 22 41 1 4728.02 23.74 199.23 42.64 71.28 23 59 49 4128.0 20.97 191.54
 110.00 8 35 59 2699.25 -31.80 74.79 57.89 76.73 9 20 59 2099.2 -33.29 65.88
 110.00 23 31 57 4568.44 28.31 185.34 40.86 69.99 24 48 6 3968.4 25.32 177.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8824 TRA-2.4419 TC3 -.1364 BAU .5431 SGT 1004.2 SGR 494.2 SG3 29.7 ST 386.2 SR 447.1 SS 364.7
 ROE-1.3320 RRA -.6427 RC3 .0033 FAU .01077 RRT .0999 RRF -.0923 RTF -.6911 CRT -.6542 CRS -.6942 CST .9969
 FDE -.3583 FRA .8880 FC3 -.0313 BSP 2571 SGB 1119.2 R23 -.0016 R13 -.6915 LSA 637.1 MSA 275.7 SSA 15.3
 BOE 1.5978 BRA 2.5251 BC3 .1364 FSP -65 SGI 1005.8 SG2 491.0 TMA 3.70 ELI 538.8 EL2 242.4 ALF 128.66

LAUNCH DATE APR 15 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 6 1967

HELIOCENTRIC CONIC

DISTANCE 152.545

RL 150.08 LAL -.00 LOL 204.35 VL 17.759 GAL 29.92 AZL 89.37 MCA 44.59 SMA 91.33 ECC .74812 INC .6273 V1 29.689
 RP 108.55 LAP .44 LOP 248.94 VP 31.496 GAP -47.49 A7P 89.55 TAL 168.11 TAP 212.70 RCA 23.00 APO 159.65 V2 34.911
 RC 87.444 GL .58 GP 2.99 ZAL 59.65 ZAP 30.41 ETS 188.24 ZAE 131.23 ETE 176.95 ZAC 158.01 ETC 54.99 CLP 30.27

PLANETOCENTRIC CONIC

C3 274.388 VML 16.565 DLA 13.84 RAL 147.19 RAD 6571.6 VEL 19.892 PTH 3.13 VMP 27.165 DPA 27.42 RAP 100.12 ECC 5.5157
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 51 17 3222.55 -25.78 112.32 56.31 77.86 6 44 59 2622.6 -27.19 103.94
 90.00 21 26 23 4976.89 22.25 218.07 43.81 72.02 22 49 20 4376.9 19.59 210.41
 100.00 7 19 56 2936.67 -27.53 91.72 56.74 77.88 8 8 52 2336.7 -28.93 83.19
 100.00 22 40 25 4738.01 23.96 199.90 43.20 71.57 23 59 23 4138.0 21.22 192.17
 110.00 8 44 34 2671.85 -32.21 72.76 57.89 77.87 9 29 5 2071.9 -33.54 63.79
 110.00 23 32 17 4575.58 28.47 185.83 41.46 70.23 24 48 32 3975.6 25.51 177.91

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8977 TRA-2.4674 TC3 -.1445 BAU .5304 SGT 1048.0 SGR 498.5 SG3 31.9 ST 407.6 SR 448.7 SS 383.0
 ROE-1.2821 RRA -.6377 RC3 .0043 FAU .01081 RRT .1054 RRF -.0980 RTF -.7065 CRT -.6547 CRS -.6985 CST .9967
 FDE -.3769 FRA .9175 FC3 -.0341 BSP 2721 SGB 1160.5 R23 -.0021 R13 -.7069 LSA 659.6 MSA 280.6 SSA 15.5
 BOE 1.5651 BRA 2.5484 BC3 .1446 FSP -71 SGI 1049.7 SG2 494.9 TMA 3.69 ELI 552.0 EL2 250.4 ALF 130.82

LAUNCH DATE APR 15 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 8 1967

HELIOCENTRIC CONIC

DISTANCE 158.240

RL 150.08 LAL -.00 LOL 204.35 VL 18.378 GAL 28.62 AZL 89.66 MCA 47.77 SMA 92.75 ECC .72373 INC .3414 V1 29.689
 RP 108.59 LAP .25 LOP 252.12 VP 31.837 GAP -45.54 A7P 89.77 TAL 167.18 TAP 214.95 RCA 25.63 APO 159.88 V2 34.899
 RC 85.078 GL .35 GP 3.07 ZAL 58.47 ZAP 29.03 ETS 188.65 ZAE 131.38 ETE 176.47 ZAC 156.80 ETC 51.69 CLP 28.88

PLANETOCENTRIC CONIC

C3 252.850 VML 15.901 DLA 13.22 RAL 148.26 RAD 6571.5 VEL 19.343 PTH 3.10 VMP 26.222 DPA 27.47 RAP 102.14 ECC 5.1613
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 0 56 3190.44 -26.22 110.07 56.35 78.90 6 54 7 2590.4 -27.49 101.63
 90.00 21 25 12 4987.67 22.48 218.78 44.27 72.31 22 48 19 4387.7 19.85 211.09
 100.00 7 29 10 2905.89 -27.96 89.52 56.74 78.96 8 17 36 2305.9 -29.19 80.94
 100.00 22 39 39 4747.45 24.16 200.53 43.67 71.84 23 58 46 4147.4 21.45 192.78
 110.00 8 52 55 2643.86 -32.59 70.67 57.78 79.05 9 36 59 2043.9 -33.75 61.63
 110.00 23 32 24 4582.24 28.63 186.29 41.97 70.47 24 48 46 3982.2 25.70 178.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9123 TRA-2.4926 TC3 -.1529 BAU .5172 SGT 1093.5 SGR 502.1 SG3 34.3 ST 430.0 SR 449.6 SS 401.7
 ROE-1.2324 RRA -.6314 RC3 .0056 FAU .01087 RRT .1111 RRF -.1038 RTF -.7213 CRT -.6548 CRS -.7023 CST .9965
 FDE -.3960 FRA .9474 FC3 -.0372 BSP 2878 SGB 1203.2 R23 -.0027 R13 -.7217 LSA 683.2 MSA 285.1 SSA 15.7
 BOE 1.5333 BRA 2.5714 BC3 .1530 FSP -77 SGI 1095.3 SG2 498.2 TMA 3.69 ELI 566.0 EL2 258.1 ALF 133.05

LAUNCH DATE APR 15 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 10 1967

HELIOCENTRIC CONIC

DISTANCE 164.038

RL 150.08 LAL -.00 LOL 204.35 VL 18.963 GAL 27.40 AZL 89.92 MCA 50.94 SMA 94.19 ECC .69951 INC .0819 V1 29.689
 RP 108.62 LAP .06 LOP 255.29 VP 32.166 GAP -43.68 A7P 89.95 TAL 166.26 TAP 217.20 RCA 28.30 APO 160.08 V2 34.888
 RC 82.729 GL .09 GP 3.17 ZAL 57.33 ZAP 27.67 ETS 189.11 ZAE 131.60 ETE 175.95 ZAC 155.51 ETC 48.70 CLP 27.50

PLANETOCENTRIC CONIC

C3 233.032 VML 15.265 DLA 12.59 RAL 149.27 RAD 6571.3 VEL 18.824 PTH 3.07 VMP 25.307 DPA 27.50 RAP 104.17 ECC 4.8351
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 10 22 3157.78 -26.63 107.77 56.27 79.99 7 2 59 2557.8 -27.74 99.28
 90.00 21 23 50 4997.87 22.69 219.45 44.64 72.58 22 47 7 4397.9 20.09 211.74
 100.00 7 38 11 2874.53 -28.34 87.27 56.61 80.08 8 26 6 2274.5 -29.42 78.64
 100.00 22 38 41 4756.35 24.35 201.12 44.06 72.10 23 57 57 4156.4 21.67 193.35
 110.00 9 1 3 2615.24 -32.94 68.51 57.54 80.29 9 44 38 2015.2 -33.93 59.41
 110.00 23 32 18 4588.41 28.77 186.72 42.40 70.68 24 48 47 3988.4 25.86 178.74

DIFFERENTIAL CORRECTIONS

TDE .9260 TRA-2.5177 TC3 -.1615 BAU .5035
 RDE-1.1830 RRA -.6240 RC3 .0070 FAU .01095
 FDE -.4155 FRA .9780 FC3 -.0407 BSP 3038
 BDE 1.5023 BRA 2.5939 BC3 .1616 FSP -84

MID-COURSE EXECUTION ACCURACY

SGT 1140.8 SGR 505.2 SG3 36.8
 RRT .1172 RRF -.1101 RTF -.7356
 SGB 1247.6 R23 -.0033 R13 -.7359
 SGI 1142.7 SG2 500.8 TMA 3.68

ORBIT DETERMINATION ACCURACY

ST 453.2 SR 449.8 SS 421.0
 CRT -.6545 CRS -.7057 CST .9962
 LSA 707.9 MSA 289.1 SSA 15.9
 EL1 580.8 EL2 265.4 ALF 135.33

LAUNCH DATE APR 15 1967

FLIGHT TIME 88.00

ARRIVAL DATE JUL 12 1967

HELIOCENTRIC CONIC

DISTANCE 169.932

RL 150.08 LAL -.00 LOL 204.35 VL 19.516 GAL 26.26 AZL 90.15 MCA 54.12 SMA 95.63 ECC .67556 INC .1513 V1 29.689
 RP 108.65 LAP -.12 LOP 258.47 VP 32.483 GAP -41.91 A7P 90.09 TAL 165.35 TAP 219.47 RCA 31.03 APO 160.24 V2 34.877
 RC 80.398 GL -.18 GP 3.27 ZAL 56.23 ZAP 26.33 ETS 189.63 ZAE 131.88 ETE 175.39 ZAC 154.13 ETC 46.00 CLP 26.14

PLANETOCENTRIC CONIC

C3 214.789 VML 14.656 DLA 11.96 RAL 150.22 RAD 6571.2 VEL 18.333 PTH 3.03 VMP 24.419 DPA 27.51 RAP 106.22 ECC 4.5349
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 19 33 3124.53 -27.00 105.40 56.08 81.12 7 11 37 2524.5 -27.95 96.87
 90.00 21 22 16 5007.53 22.88 220.10 44.93 72.85 22 45 44 4407.5 20.32 212.36
 100.00 7 46 59 2842.55 -28.70 84.96 56.37 81.25 8 34 21 2242.6 -29.61 76.28
 100.00 22 37 31 4764.74 24.52 201.68 44.37 72.35 23 56 56 4164.7 21.88 193.88
 110.00 9 8 59 2585.95 -33.25 66.28 57.18 81.57 9 52 5 1985.9 -34.06 57.13
 110.00 23 32 0 4594.11 28.89 187.11 42.74 70.88 24 48 35 3994.1 26.01 179.12

DIFFERENTIAL CORRECTIONS

TDE .9391 TRA-2.5421 TC3 -.1701 BAU .4892
 RDE-1.1358 RRA -.6156 RC3 .0086 FAU .01104
 FDE -.4355 FRA 1.0093 FC3 -.0445 BSP 3207
 BDE 1.4722 BRA 2.6156 BC3 .1704 FSP -91

MID-COURSE EXECUTION ACCURACY

SGT 1189.8 SGR 507.6 SG3 39.5
 RRT .1235 RRF -.1167 RTF -.7492
 SGB 1293.5 R23 -.0040 R13 -.7496
 SGI 1191.8 SG2 502.8 TMA 3.67

ORBIT DETERMINATION ACCURACY

ST 477.4 SR 449.4 SS 440.7
 CRT -.6538 CRS -.7087 CST .9959
 LSA 733.6 MSA 292.6 SSA 16.0
 EL1 596.5 EL2 272.1 ALF 137.65

LAUNCH DATE APR 15 1967

FLIGHT TIME 90.00

ARRIVAL DATE JUL 14 1967

HELIOCENTRIC CONIC

DISTANCE 175.917

RL 150.08 LAL -.00 LOL 204.35 VL 20.037 GAL 25.17 AZL 90.37 MCA 57.29 SMA 97.08 ECC .65196 INC .3692 V1 29.689
 RP 108.69 LAP -.31 LOP 261.64 VP 32.788 GAP -40.21 A7P 90.20 TAL 164.45 TAP 221.74 RCA 33.79 APO 160.37 V2 34.867
 RC 78.089 GL -.48 GP 3.38 ZAL 55.18 ZAP 25.02 ETS 190.22 ZAE 132.23 ETE 174.79 ZAC 152.69 ETC 43.57 CLP 24.80

PLANETOCENTRIC CONIC

C3 197.989 VML 14.071 DLA 11.32 RAL 151.13 RAD 6571.1 VEL 17.869 PTH 3.00 VMP 23.556 DPA 27.50 RAP 108.29 ECC 4.2584
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 28 31 3090.64 -27.33 102.98 55.76 82.29 7 20 2 2490.6 -28.12 94.40
 90.00 21 20 31 5016.66 23.06 220.70 45.14 73.10 22 44 8 4416.7 20.53 212.95
 100.00 7 55 34 2809.91 -29.01 82.59 56.01 82.46 8 42 24 2209.9 -29.75 73.86
 100.00 22 36 10 4772.63 24.68 202.21 44.59 72.58 23 55 42 4172.6 22.07 194.39
 110.00 9 16 43 2555.96 -33.53 63.98 56.69 82.90 9 59 19 1956.0 -34.14 54.79
 110.00 23 31 30 4599.34 29.01 187.48 43.00 71.07 24 48 9 3999.3 26.15 179.46

DIFFERENTIAL CORRECTIONS

TDE .9523 TRA-2.5650 TC3 -.1788 BAU .4741
 RDE-1.0849 RRA -.6063 RC3 .0105 FAU .01115
 FDE -.4562 FRA 1.0413 FC3 -.0488 BSP 3403
 BDE 1.4436 BRA 2.6357 BC3 .1791 FSP -99

MID-COURSE EXECUTION ACCURACY

SGT 1240.2 SGR 509.3 SG3 42.4
 RRT .1299 RRF -.1236 RTF -.7625
 SGB 1340.8 R23 -.0050 R13 -.7628
 SGI 1242.4 SG2 504.2 TMA 3.66

ORBIT DETERMINATION ACCURACY

ST 502.7 SR 448.2 SS 461.2
 CRT -.6533 CRS -.7115 CST .9957
 LSA 760.8 MSA 295.3 SSA 16.2
 EL1 613.4 EL2 278.1 ALF 139.99

LAUNCH DATE APR 15 1967

FLIGHT TIME 92.00

ARRIVAL DATE JUL 16 1967

HELIOCENTRIC CONIC

DISTANCE 181.986

RL 150.08 LAL -.00 LOL 204.35 VL 20.530 GAL 24.14 AZL 90.57 MCA 60.46 SMA 98.52 ECC .62878 INC .5716 V1 29.689
 RP 108.72 LAP -.50 LOP 264.81 VP 33.081 GAP -38.58 A7P 90.28 TAL 163.57 TAP 224.03 RCA 36.57 APO 160.46 V2 34.857
 RC 75.805 GL -.79 GP 3.50 ZAL 54.17 ZAP 23.72 ETS 190.90 ZAE 132.65 ETE 174.13 ZAC 151.20 ETC 41.38 CLP 23.47

PLANETOCENTRIC CONIC

C3 182.516 VML 13.510 DLA 10.67 RAL 151.98 RAD 6571.0 VEL 17.431 PTH 2.96 VMP 22.718 DPA 27.47 RAP 110.37 ECC 4.0037
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 37 17 3056.08 -27.62 100.49 55.32 83.50 7 28 13 2456.1 -28.23 91.88
 90.00 21 18 34 5025.32 23.23 221.28 45.26 73.34 22 42 19 4425.3 20.73 213.50
 100.00 8 1 3 2776.57 -29.28 80.15 55.53 83.72 8 50 13 2176.6 -29.85 71.39
 100.00 22 34 35 4780.05 24.84 202.71 44.73 72.81 23 54 15 4180.1 22.25 194.87
 110.00 9 24 16 2525.25 -33.76 61.62 56.09 84.29 10 6 21 1925.2 -34.18 52.40
 110.00 23 30 45 4604.14 29.12 187.81 43.17 71.24 24 47 29 4004.1 26.28 179.78

DIFFERENTIAL CORRECTIONS

TDE .9645 TRA-2.5874 TC3 -.1876 BAU .4587
 RDE-1.0365 RRA -.5962 RC3 .0126 FAU .01128
 FDE -.4774 FRA 1.0741 FC3 -.0535 BSP 3595
 BDE 1.4158 BRA 2.6552 BC3 .1880 FSP -108

MID-COURSE EXECUTION ACCURACY

SGT 1292.7 SGR 510.5 SG3 45.5
 RRT .1368 RRF -.1310 RTF -.7751
 SGB 1389.8 R23 -.0060 R13 -.7755
 SGI 1294.9 SG2 504.8 TMA 3.65

ORBIT DETERMINATION ACCURACY

ST 528.9 SR 446.3 SS 482.2
 CRT -.6522 CRS -.7138 CST .9954
 LSA 789.1 MSA 297.6 SSA 16.3
 EL1 631.4 EL2 283.4 ALF 142.33

LAUNCH DATE APR 15 1967 FLIGHT TIME 94.00 ARRIVAL DATE JUL 18 1967

DISTANCE 188.133

HELIOCENTRIC CONIC
 RL 150.08 LAL -.00 LOL 204.35 VL 20.995 GAL 23.16 AZL 90.76 MCA 63.63 SMA 99.95 ECC .60607 INC .7618 V1 29.689
 RP 108.75 LAP -.68 LOP 267.98 VP 33.362 GAP -37.01 AZP 90.34 TAL 162.70 TAP 226.33 RCA 39.37 APO 160.53 V2 34.848
 RC 73.549 GL -1.13 GP 3.63 ZAL 53.21 ZAP 22.44 ETS 191.68 ZAE 133.14 ETE 173.41 ZAC 149.64 ETC 39.40 CLP 22.16

PLANETOCENTRIC CONIC
 C3 168.264 VML 12.972 DLA 10.01 RAL 152.78 RAD 6570.8 VEL 17.017 PTH 2.92 VMP 21.904 DPA 27.42 RAP 112.47 ECC 3.7692
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 45 51 3020.79 -27.87 97.94 54.77 84.76 7 36 12 2420.8 -28.30 89.30
 90.00 21 16 23 5033.53 23.39 221.83 45.30 73.57 22 40 16 2433.5 -20.92 214.03
 100.00 8 12 8 2742.49 -29.51 77.64 54.94 85.02 8 57 51 2142.5 -29.89 68.86
 100.00 22 32 47 4787.06 24.98 203.19 44.78 73.02 23 52 34 4187.1 22.41 195.33
 110.00 9 31 37 2493.77 -33.95 59.18 55.36 85.72 10 13 11 1893.8 -34.17 49.94
 110.00 23 29 47 4608.55 29.21 188.12 43.25 71.40 24 46 36 4008.5 26.39 180.07

MID-COURSE EXECUTION ACCURACY
 SGT 1348.5 SGR 511.0 SG3 48.8
 RRT .1454 RRF -.1394 RTF -.7868
 SGB 1442.1 R23 -.0065 R13 -.7872
 SGI 1350.9 SG2 504.7 TMA 3.66

ORBIT DETERMINATION ACCURACY
 ST 555.2 SR 443.7 SS 503.6
 CRT -.6490 CRS -.7153 CST .9949
 LSA 817.7 MSA 299.8 SSA 16.5
 EL1 649.5 EL2 288.5 ALF 144.60

DIFFERENTIAL CORRECTIONS
 TOE .9724 TRA-2.6119 TC3 -.1972 BAU .4448
 RDE -.9885 RRA -.5854 RC3 .0150 FAU .01141
 FDE -.4989 FRA 1.1083 FC3 -.0587 BSP 3712
 BDE 1.3867 BRA 2.6767 BC3 .1977 FSP -116

LAUNCH DATE APR 15 1967 FLIGHT TIME 96.00 ARRIVAL DATE JUL 20 1967

DISTANCE 194.354

HELIOCENTRIC CONIC
 RL 150.08 LAL -.00 LOL 204.35 VL 21.433 GAL 22.23 AZL 90.94 MCA 66.80 SMA 101.37 ECC .58389 INC .9415 V1 29.689
 RP 108.77 LAP -.87 LOP 271.14 VP 33.631 GAP -35.51 AZP 90.37 TAL 161.85 TAP 228.65 RCA 42.18 APO 160.56 V2 34.839
 RC 71.325 GL -1.50 GP 3.78 ZAL 52.28 ZAP 21.18 ETS 192.58 ZAE 133.71 ETE 172.63 ZAC 148.05 ETC 37.61 CLP 20.85

PLANETOCENTRIC CONIC
 C3 155.137 VML 12.455 DLA 9.33 RAL 153.53 RAD 6570.7 VEL 16.627 PTH 2.89 VMP 21.113 DPA 27.35 RAP 114.57 ECC 3.5532
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 54 14 2984.73 -28.06 95.32 54.10 86.06 7 43 59 2384.7 -28.31 86.66
 90.00 21 13 58 5041.36 23.54 222.35 45.25 73.79 22 38 0 4441.4 21.10 214.54
 100.00 8 20 9 2707.63 -29.69 75.06 54.23 86.36 9 5 17 2107.6 -29.88 66.26
 100.00 22 30 44 4793.69 25.11 203.64 44.74 73.22 23 50 38 4193.7 22.57 195.76
 110.00 9 38 48 2461.50 -34.08 56.67 54.52 87.20 10 19 50 1861.5 -34.09 47.42
 110.00 23 28 35 4612.59 29.30 188.40 43.25 71.55 24 45 27 4012.6 26.50 180.33

MID-COURSE EXECUTION ACCURACY
 SGT 1406.4 SGR 510.8 SG3 52.4
 RRT .1544 RRF -.1484 RTF -.7979
 SGB 1496.3 R23 -.0072 R13 -.7983
 SGI 1408.9 SG2 503.8 TMA 3.68

ORBIT DETERMINATION ACCURACY
 ST 582.4 SR 440.3 SS 525.7
 CRT -.6455 CRS -.7165 CST .9944
 LSA 847.5 MSA 301.4 SSA 16.7
 EL1 668.8 EL2 292.8 ALF 146.85

DIFFERENTIAL CORRECTIONS
 TOE .9797 TRA-2.6353 TC3 -.2069 BAU .4306
 RDE -.9411 RRA -.5740 RC3 .0177 FAU .01155
 FDE -.5211 FRA 1.1436 FC3 -.0645 BSP 3836
 BDE 1.3585 BRA 2.6971 BC3 .2076 FSP -125

LAUNCH DATE APR 15 1967 FLIGHT TIME 98.00 ARRIVAL DATE JUL 22 1967

DISTANCE 200.644

HELIOCENTRIC CONIC
 RL 150.08 LAL -.00 LOL 204.35 VL 21.847 GAL 21.34 AZL 91.11 MCA 69.96 SMA 102.78 ECC .56229 INC 1.1129 V1 29.689
 RP 108.80 LAP -1.05 LOP 274.31 VP 33.888 GAP -34.07 AZP 90.38 TAL 161.02 TAP 230.98 RCA 44.99 APO 160.57 V2 34.831
 RC 69.138 GL -1.89 GP 3.93 ZAL 51.40 ZAP 19.93 ETS 193.63 ZAE 134.36 ETE 171.78 ZAC 146.41 ETC 35.99 CLP 19.56

PLANETOCENTRIC CONIC
 C3 143.058 VML 11.961 DLA 8.65 RAL 154.23 RAD 6570.6 VEL 16.260 PTH 2.85 VMP 20.345 DPA 27.27 RAP 116.68 ECC 3.3544
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 2 28 2947.86 -28.21 92.63 53.32 87.40 7 51 36 2347.9 -28.27 83.97
 90.00 21 11 19 5048.90 23.69 222.86 45.12 74.01 22 35 28 4448.9 21.27 215.03
 100.00 8 28 1 2671.95 -29.82 72.42 53.40 87.75 9 12 33 2072.0 -29.81 65.61
 100.00 22 28 27 4800.04 25.23 204.07 44.63 73.41 23 48 27 4200.0 22.72 196.17
 110.00 9 45 50 2428.41 -34.16 54.08 53.56 88.72 10 26 18 1828.4 -33.96 44.84
 110.00 23 27 7 4616.35 29.38 188.66 43.16 71.68 24 44 3 4016.3 26.60 180.58

MID-COURSE EXECUTION ACCURACY
 SGT 1481.6 SGR 510.5 SG3 56.3
 RRT .1749 RRF -.1621 RTF -.8044
 SGB 1567.1 R23 -.0032 R13 -.8047
 SGI 1484.6 SG2 501.6 TMA 3.89

ORBIT DETERMINATION ACCURACY
 ST 602.3 SR 436.4 SS 546.1
 CRT -.6256 CRS -.7135 CST .9920
 LSA 869.9 MSA 307.1 SSA 17.0
 EL1 679.9 EL2 301.6 ALF 148.82

DIFFERENTIAL CORRECTIONS
 TOE .9563 TRA-2.6874 TC3 -.2250 BAU .4321
 RDE -.8949 RRA -.5629 RC3 .0206 FAU .01151
 FDE -.5398 FRA 1.1844 FC3 -.0697 BSP 3249
 BDE 1.3097 BRA 2.7457 BC3 .2259 FSP -126

LAUNCH DATE APR 15 1967 FLIGHT TIME 100.00 ARRIVAL DATE JUL 24 1967

DISTANCE 206.985

HELIOCENTRIC CONIC
 RL 150.08 LAL -.00 LOL 204.35 VL 22.237 GAL 20.48 AZL 91.28 MCA 73.13 SMA 104.16 ECC .54125 INC 1.2773 V1 29.689
 RP 108.82 LAP -1.22 LOP 277.47 VP 34.133 GAP -32.68 AZP 90.37 TAL 160.21 TAP 233.33 RCA 47.79 APO 160.54 V2 34.824
 RC 66.992 GL -2.32 GP 4.10 ZAL 50.57 ZAP 18.71 ETS 194.86 ZAE 135.09 ETE 170.84 ZAC 144.74 ETC 34.52 CLP 18.27

PLANETOCENTRIC CONIC
 C3 131.893 VML 11.484 DLA 7.95 RAL 154.87 RAD 6570.4 VEL 15.913 PTH 2.81 VMP 19.597 DPA 27.18 RAP 118.80 ECC 3.1706
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 10 30 2910.12 -28.29 89.88 52.42 88.78 7 59 0 2310.1 -28.16 81.21
 90.00 21 8 23 5056.08 23.82 223.35 44.90 74.22 22 32 39 4456.1 21.43 215.49
 100.00 8 35 41 2635.40 -29.88 69.70 52.46 89.18 9 19 36 2035.4 -29.68 60.90
 100.00 22 25 54 4806.04 25.35 204.48 44.42 73.60 23 46 0 4206.0 22.86 196.56
 110.00 9 52 41 2394.44 -34.18 51.43 52.48 90.29 10 32 35 1794.4 -33.76 42.21
 110.00 23 25 23 4619.76 29.45 188.90 42.98 71.81 24 42 23 4019.8 26.68 180.81

MID-COURSE EXECUTION ACCURACY
 SGT 1493.9 SGR 507.7 SG3 60.4
 RRT .1497 RRF -.1600 RTF -.8278
 SGB 1577.9 R23 -.0207 R13 -.8283
 SGI 1496.1 SG2 501.2 TMA 3.28

ORBIT DETERMINATION ACCURACY
 ST 659.3 SR 430.2 SS 578.2
 CRT -.6708 CRS -.7263 CST .9963
 LSA 931.8 MSA 292.6 SSA 16.4
 EL1 733.1 EL2 287.0 ALF 151.63

DIFFERENTIAL CORRECTIONS
 TOE 1.0585 TRA-2.6104 TC3 -.2060 BAU .3658
 RDE -.8462 RRA -.5484 RC3 .0247 FAU .01237
 FDE -.5785 FRA 1.2074 FC3 -.0812 BSP 5705
 BDE 1.3552 BRA 2.6674 BC3 .2075 FSP -167

LAUNCH DATE APR 15 1967

FLIGHT TIME 102.00

ARRIVAL DATE JUL 26 1967

HELIOCENTRIC CONIC

DISTANCE 213.394

RL 150.08 LAL -0.00 LOL 204.35 VL 22.605 GAL 19.67 AZL 91.44 MCA 76.29 SMA 105.53 ECC .52087 INC 1.4363 V1 29.689
 RP 108.84 LAP -1.40 LOP 280.64 VP 34.367 GAP -31.34 AZP 90.34 TAL 159.41 TAP 235.71 RCA 50.56 APO 160.50 V2 34.817
 RC 64.892 GL -2.77 GP 4.29 ZAL 49.79 ZAP 17.31 ETS 196.31 ZAE 135.90 ETE 169.80 ZAC 143.03 ETC 33.19 CLP 16.99

PLANETOCENTRIC CONIC

C3 121.658 VHL 11.030 OLA 7.23 RAL 155.46 RAD 6570.3 VEL 15.588 PTH 2.78 VHP 18.871 DPA 27.07 RAP 120.92 ECC 3.0022
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 18 26 2871.50 -28.32 87.05 51.42 90.19 8 6 17 2271.5 -27.99 78.40
 90.00 21 5 11 5063.22 23.95 223.83 44.61 74.42 22 29 34 4463.2 21.58 215.96
 100.00 8 43 14 2597.96 -29.89 66.92 51.41 90.64 9 26 32 1998.0 -29.48 58.14
 100.00 22 23 3 4811.99 25.46 204.88 44.14 73.78 23 43 15 4212.0 22.99 196.95
 110.00 9 59 24 2359.61 -34.14 48.71 51.30 91.90 10 38 44 1759.6 -33.50 39.53
 110.00 23 23 23 4623.11 29.52 189.14 42.73 71.93 24 40 26 4023.1 26.77 181.03

DIFFERENTIAL CORRECTIONS

TDE 1.0364 TRA-2.6567 TC3 -.2229 BAU .3655
 RDE -.8010 RRA -.5365 RC3 .0284 FAU .01240
 FDE -.5997 FRA 1.2504 FC3 -.0882 BSP 5191
 BDE 1.3099 BRA 2.7103 BC3 .2247 FSP -170

MID-COURSE EXECUTION ACCURACY

SGT 1570.6 SGR 506.0 SG3 64.9
 RRT .1712 RRF -.1751 RTF -.8335
 SGB 1650.1 R23 -.0167 R13 -.8340
 SGI 1573.3 SG2 497.6 TMA 3.51

ORBIT DETERMINATION ACCURACY

ST 681.3 SR 424.6 SS 600.5
 CRT -.6529 CRS -.7230 CST .9946
 LSA 957.6 MSA 296.4 SSA 16.8
 EL1 747.3 EL2 293.2 ALF 153.47

LAUNCH DATE APR 15 1967

FLIGHT TIME 104.00

ARRIVAL DATE JUL 28 1967

HELIOCENTRIC CONIC

DISTANCE 219.853

RL 150.08 LAL -0.00 LOL 204.35 VL 22.952 GAL 18.89 AZL 91.59 MCA 79.46 SMA 106.87 ECC .50114 INC 1.5909 V1 29.689
 RP 108.86 LAP -1.56 LOP 283.80 VP 34.589 GAP -30.06 AZP 90.29 TAL 158.64 TAP 236.10 RCA 53.31 APO 160.43 V2 34.810
 RC 62.843 GL -3.26 GP 4.49 ZAL 49.04 ZAP 16.33 ETS 198.03 ZAE 136.80 ETE 168.66 ZAC 141.30 ETC 31.98 CLP 15.72

PLANETOCENTRIC CONIC

C3 112.236 VHL 10.594 OLA 6.50 RAL 156.00 RAD 6570.1 VEL 15.283 PTH 2.74 VHP 18.167 DPA 26.95 RAP 123.05 ECC 2.8471
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 26 14 2831.93 -28.27 84.16 50.32 91.64 8 13 26 2231.9 -27.75 75.53
 90.00 21 1 40 5070.28 24.08 224.31 44.24 74.63 22 26 11 4470.3 21.74 216.42
 100.00 8 50 40 2559.59 -29.82 64.07 50.26 92.14 9 33 20 1959.6 -29.21 55.32
 100.00 22 19 55 4817.86 25.57 205.28 43.78 73.97 23 40 13 4217.9 23.13 197.34
 110.00 10 6 0 2323.86 -34.02 45.93 50.02 93.55 10 44 43 1723.9 -33.16 36.79
 110.00 23 21 5 4626.35 29.59 189.36 42.59 72.05 24 38 11 4026.4 26.85 181.25

DIFFERENTIAL CORRECTIONS

TDE 1.0320 TRA-2.6826 TC3 -.2343 BAU .3550
 RDE -.7580 RRA -.5241 RC3 .0327 FAU .01258
 FDE -.6249 FRA 1.2922 FC3 -.0870 BSP 5126
 BDE 1.2793 BRA 2.7333 BC3 .2366 FSP -180

MID-COURSE EXECUTION ACCURACY

SGT 1640.2 SGR 503.4 SG3 69.7
 RRT .1865 RRF -.1888 RTF -.8414
 SGB 1715.7 R23 -.0166 R13 -.8418
 SGI 1643.1 SG2 493.6 TMA 3.60

ORBIT DETERMINATION ACCURACY

ST 709.7 SR 417.8 SS 625.4
 CRT -.6434 CRS -.7216 CST .9936
 LSA 990.4 MSA 296.9 SSA 17.0
 EL1 788.8 EL2 295.2 ALF 155.39

LAUNCH DATE APR 15 1967

FLIGHT TIME 106.00

ARRIVAL DATE JUL 30 1967

HELIOCENTRIC CONIC

DISTANCE 226.357

RL 150.08 LAL -0.00 LOL 204.35 VL 23.279 GAL 18.15 AZL 91.74 MCA 82.62 SMA 108.19 ECC .48206 INC 1.7424 V1 29.689
 RP 108.88 LAP -1.73 LOP 286.96 VP 34.801 GAP -28.82 AZP 90.22 TAL 157.90 TAP 240.52 RCA 56.04 APO 160.34 V2 34.805
 RC 60.850 GL -3.79 GP 4.71 ZAL 48.35 ZAP 15.18 ETS 200.09 ZAE 137.79 ETE 167.39 ZAC 139.54 ETC 30.87 CLP 14.45

PLANETOCENTRIC CONIC

C3 103.569 VHL 10.177 OLA 5.75 RAL 156.48 RAD 6570.0 VEL 14.997 PTH 2.70 VHP 17.482 DPA 26.82 RAP 125.18 ECC 2.7045
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 33 55 2791.39 -28.16 81.20 49.12 93.12 8 20 27 2191.4 -27.43 72.61
 90.00 20 57 50 5077.40 24.21 224.79 43.79 74.84 22 22 27 4477.4 21.89 216.88
 100.00 8 57 59 2520.25 -29.69 61.15 49.02 93.67 9 39 59 1920.3 -28.86 52.45
 100.00 22 16 27 4823.77 25.68 205.69 43.34 74.15 23 36 51 4223.8 23.26 197.72
 110.00 10 12 27 2287.18 -33.83 43.08 48.64 95.22 10 50 34 1687.2 -32.74 34.01
 110.00 23 18 28 4629.61 29.66 189.59 41.98 72.17 24 35 38 4029.6 26.94 181.46

DIFFERENTIAL CORRECTIONS

TDE 1.0425 TRA-2.6909 TC3 -.2399 BAU .3363
 RDE -.7113 RRA -.5113 RC3 .0376 FAU .01290
 FDE -.6540 FRA 1.3330 FC3 -.1078 BSP 5437
 BDE 1.2621 BRA 2.7390 BC3 .2429 FSP -197

MID-COURSE EXECUTION ACCURACY

SGT 1703.3 SGR 499.9 SG3 75.0
 RRT .1974 RRF -.2019 RTF -.8509
 SGB 1775.2 R23 -.0192 R13 -.8514
 SGI 1706.5 SG2 489.2 TMA 3.61

ORBIT DETERMINATION ACCURACY

ST 743.9 SR 409.8 SS 652.9
 CRT -.6412 CRS -.7215 CST .9933
 LSA 1029.9 MSA 294.3 SSA 17.0
 EL1 797.0 EL2 293.5 ALF 157.30

LAUNCH DATE APR 15 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 1 1967

HELIOCENTRIC CONIC

DISTANCE 232.905

RL 150.08 LAL -0.00 LOL 204.35 VL 23.586 GAL 17.43 AZL 91.89 MCA 85.78 SMA 109.48 ECC .46366 INC 1.8917 V1 29.689
 RP 108.90 LAP -1.89 LOP 290.13 VP 35.003 GAP -27.62 AZP 90.14 TAL 157.18 TAP 242.96 RCA 58.72 APO 160.23 V2 34.800
 RC 58.919 GL -4.36 GP 4.95 ZAL 47.71 ZAP 14.06 ETS 202.57 ZAE 138.86 ETE 165.96 ZAC 137.75 ETC 29.87 CLP 13.18

PLANETOCENTRIC CONIC

C3 95.607 VHL 9.778 OLA 4.97 RAL 156.91 RAD 6569.9 VEL 14.729 PTH 2.66 VHP 16.818 DPA 26.69 RAP 127.31 ECC 2.5735
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 41 31 2749.82 -27.97 78.17 47.82 94.63 8 27 21 2149.8 -27.03 69.63
 90.00 20 53 39 5084.72 24.34 225.28 43.27 75.06 22 18 23 4484.7 22.05 217.36
 100.00 9 5 12 2479.91 -29.47 58.17 47.68 95.23 9 46 32 1879.9 -28.44 49.52
 100.00 22 12 39 4829.87 25.79 206.10 42.83 74.35 23 33 9 4229.9 23.40 198.13
 110.00 10 18 49 2249.54 -33.56 40.17 47.17 96.92 10 56 18 1649.5 -32.24 31.19
 110.00 23 15 32 4633.00 29.73 189.83 41.49 72.30 24 32 45 4033.0 27.02 181.69

DIFFERENTIAL CORRECTIONS

TDE 1.0457 TRA-2.7043 TC3 -.2476 BAU .3212
 RDE -.6673 RRA -.4988 RC3 .0430 FAU .01319
 FDE -.6836 FRA 1.3769 FC3 -.1194 BSP .5588
 BDE 1.2405 BRA 2.7499 BC3 .2513 FSP -212

MID-COURSE EXECUTION ACCURACY

SGT 1772.0 SGR 496.1 SG3 80.6
 RRT .2120 RRF -.2173 RTF -.8590
 SGB 1840.1 R23 -.0210 R13 -.8595
 SGI 1775.3 SG2 483.9 TMA 3.67

ORBIT DETERMINATION ACCURACY

ST 776.8 SR 400.8 SS 680.6
 CRT -.6348 CRS -.7201 CST .9927
 LSA 1068.6 MSA 292.2 SSA 17.1
 EL1 823.9 EL2 292.0 ALF 159.12

LAUNCH DATE APR 15 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 3 1967

DISTANCE 239.491

HELIOCENTRIC CONIC
 RL 150.08 LAL -.00 LOL 204.35 VL 23.876 GAL 16.75 AZL 92.04 MCA 88.94 SMA 110.73 ECC .44594 INC 2.0398 V1 29.689
 RP 108.91 LAP -2.04 LOP 293.29 VP 35.194 GAP -26.47 AZP 90.04 TAL 156.49 TAP 245.42 RCA 61.35 APO 160.11 V2 34.795
 RC 57.057 GL -4.97 GP 5.22 ZAL 47.12 ZAP 12.99 ETS 205.58 ZAE 140.02 ETE 164.37 ZAC 135.95 ETC 28.95 CLP 11.91

PLANETOCENTRIC CONIC
 C3 88.297 VML 9.397 DLA 4.17 RAL 157.28 RAD 6569.7 VEL 14.479 PTH 2.63 VMP 16.172 DPA 26.55 RAP 129.43 ECC 2.4531
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 49 3 2707.19 -27.69 75.08 46.44 96.16 8 34 10 2107.2 -26.55 66.60
 90.00 20 49 4 5092.38 24.47 225.81 42.67 75.29 22 13 57 4492.4 22.21 217.86
 100.00 9 12 20 2438.52 -29.18 55.13 46.25 96.80 9 52 59 1838.5 -27.93 46.55
 100.00 22 8 28 4836.28 25.91 206.55 42.24 74.55 23 29 4 4236.3 23.54 198.55
 110.00 10 25 4 2210.91 -33.20 37.21 45.61 98.64 11 1 55 1610.9 -31.65 28.33
 110.00 23 12 13 4636.66 29.81 190.09 40.94 72.43 24 29 30 4036.7 27.11 181.93

MID-COURSE EXECUTION ACCURACY
 SGT 1839.8 SGR 491.6 SG3 86.8
 RRT .2268 RRF -.2340 RTF -.8673
 SGB 1904.4 R23 -.0237 R13 -.8679
 SGI 1843.4 SGT 477.9 TMA 3.72

ORBIT DETERMINATION ACCURACY
 ST 812.0 SR 390.7 SS 710.6
 CRT -.6297 CRS -.7184 CST .9922
 LSA 1110.5 MSA 288.7 SSA 17.2
 EL1 853.6 EL2 288.7 ALF 160.87

DIFFERENTIAL CORRECTIONS
 TDE 1.0525 TRA-2.7113 TC3 -.2526 BAU .3038
 RDE -.6239 RRA -.4865 RC3 .0491 FAU .01355
 FDE -.7159 FRA 1.4220 FC3 -.1329 BSP 5845
 BDE 1.2235 BRA 2.7546 BC3 .2574 FSP -230

LAUNCH DATE APR 15 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 5 1967

DISTANCE 246.110

HELIOCENTRIC CONIC
 RL 150.08 LAL -.00 LOL 204.35 VL 24.148 GAL 16.10 AZL 92.19 MCA 92.10 SMA 111.95 ECC .42890 INC 2.1875 V1 29.689
 RP 108.92 LAP -2.19 LOP 296.45 VP 35.376 GAP -25.35 AZP 89.92 TAL 155.82 TAP 247.92 RCA 63.94 APO 159.97 V2 34.792
 RC 55.270 GL -5.63 GP 5.51 ZAL 46.58 ZAP 11.97 ETS 209.25 ZAE 141.26 ETE 162.57 ZAC 134.13 ETC 28.12 CLP 10.64

PLANETOCENTRIC CONIC
 C3 81.593 VML 9.033 DLA 3.33 RAL 157.59 RAD 6569.6 VEL 14.246 PTH 2.59 VMP 15.546 DPA 26.42 RAP 131.96 ECC 2.3428
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 56 31 2863.46 -27.33 71.93 44.99 97.70 8 40 55 2063.5 -25.99 63.52
 90.00 20 44 5 5100.56 24.61 226.36 42.02 75.53 22 9 6 4500.6 22.38 218.40
 100.00 9 19 25 2396.06 -28.80 52.03 44.75 98.39 9 59 21 1796.1 -27.34 43.53
 100.00 22 3 52 4843.18 26.04 207.02 41.60 74.77 23 24 35 4243.2 23.69 199.01
 110.00 10 31 15 2171.28 -32.76 34.21 43.99 100.37 11 7 26 1571.3 -30.98 25.44
 110.00 23 8 32 4640.73 29.89 190.38 40.32 72.58 24 25 53 4040.7 27.22 182.21

MID-COURSE EXECUTION ACCURACY
 SGT 1911.3 SGR 486.8 SG3 93.4
 RRT .2445 RRF -.2532 RTF -.8747
 SGB 1972.3 R23 -.0264 R13 -.8752
 SGI 1915.2 SGT 471.0 TMA 3.79

ORBIT DETERMINATION ACCURACY
 ST 846.9 SR 379.5 SS 741.4
 CRT -.6219 CRS -.7155 CST .9915
 LSA 1152.9 MSA 285.3 SSA 17.3
 EL1 883.2 EL2 285.0 ALF 162.55

DIFFERENTIAL CORRECTIONS
 TDE 1.0556 TRA-2.7200 TC3 -.2585 BAU .2884
 RDE -.5810 RRA -.4747 RC3 .0550 FAU .01381
 FDE -.7487 FRA 1.4099 FC3 -.1476 BSP 6018
 BDE 1.2049 BRA 2.7611 BC3 .2644 FSP -249

LAUNCH DATE APR 15 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 7 1967

DISTANCE 252.759

HELIOCENTRIC CONIC
 RL 150.08 LAL -.00 LOL 204.35 VL 24.404 GAL 15.47 AZL 92.34 MCA 95.26 SMA 113.14 ECC .41254 INC 2.3357 V1 29.689
 RP 108.93 LAP -2.33 LOP 299.61 VP 35.548 GAP -24.28 AZP 89.79 TAL 155.18 TAP 250.44 RCA 66.46 APO 159.81 V2 34.789
 RC 53.566 GL -6.34 GP 5.84 ZAL 46.10 ZAP 11.03 ETS 213.73 ZAE 142.58 ETE 160.52 ZAC 132.29 ETC 27.36 CLP 9.37

PLANETOCENTRIC CONIC
 C3 75.451 VML 8.686 DLA 2.47 RAL 157.84 RAD 6569.5 VEL 14.029 PTH 2.56 VMP 14.938 DPA 26.29 RAP 133.68 ECC 2.2417
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 3 59 2618.57 -26.88 68.72 43.46 99.24 8 47 37 2018.6 -25.33 60.40
 90.00 20 38 39 5109.43 24.76 226.97 41.30 75.80 22 3 48 4509.4 22.56 218.99
 100.00 9 26 28 2352.49 -28.32 48.88 43.18 99.98 10 5 41 1752.5 -26.65 40.48
 100.00 21 58 50 4850.75 26.17 207.54 40.89 75.01 23 19 41 4250.8 23.86 199.51
 110.00 10 37 21 2130.62 -32.22 31.16 42.30 102.10 11 12 52 1530.6 -30.22 22.51
 110.00 23 4 27 4645.38 29.98 190.71 39.64 72.76 24 21 52 4045.4 27.33 182.52

MID-COURSE EXECUTION ACCURACY
 SGT 1982.2 SGR 481.6 SG3 100.7
 RRT .2634 RRF -.2746 RTF -.8821
 SGB 2039.8 R23 -.0290 R13 -.8827
 SGI 1986.4 SGT 463.6 TMA 3.87

ORBIT DETERMINATION ACCURACY
 ST 884.0 SR 367.0 SS 774.2
 CRT -.6144 CRS -.7117 CST .9910
 LSA 1198.5 MSA 280.8 SSA 17.4
 EL1 915.4 EL2 279.6 ALF 164.17

DIFFERENTIAL CORRECTIONS
 TDE 1.0615 TRA-2.7231 TC3 -.2615 BAU .2714
 RDE -.5386 RRA -.4635 RC3 .0632 FAU .01434
 FDE -.7865 FRA 1.5196 FC3 -.1645 BSP 6276
 BDE 1.1904 BRA 2.7622 BC3 .2691 FSP -270

LAUNCH DATE APR 15 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 9 1967

DISTANCE 259.434

HELIOCENTRIC CONIC
 RL 150.08 LAL -.00 LOL 204.35 VL 24.645 GAL 14.87 AZL 92.49 MCA 98.41 SMA 114.29 ECC .39685 INC 2.4855 V1 29.689
 RP 108.94 LAP -2.46 LOP 302.77 VP 35.712 GAP -23.24 AZP 89.64 TAL 154.57 TAP 252.99 RCA 68.93 APO 159.64 V2 34.786
 RC 51.953 GL -7.10 GP 6.20 ZAL 45.68 ZAP 10.18 ETS 219.20 ZAE 143.97 ETE 158.19 ZAC 130.45 ETC 26.66 CLP 8.09

PLANETOCENTRIC CONIC
 C3 69.831 VML 8.356 DLA 1.57 RAL 158.04 RAD 6569.3 VEL 13.827 PTH 2.53 VMP 14.349 DPA 26.17 RAP 135.81 ECC 2.1492
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 11 26 2572.48 -26.34 65.46 41.87 100.79 8 54 18 1972.5 -24.58 57.23
 90.00 20 32 43 5119.22 24.92 227.64 40.53 76.10 21 58 3 4519.2 22.76 219.64
 100.00 9 33 30 2307.75 -27.75 45.68 41.56 101.58 10 11 58 1707.8 -25.87 37.38
 100.00 21 53 20 4859.18 26.32 208.13 40.13 75.29 23 14 19 4259.2 24.04 200.07
 110.00 10 43 25 2088.90 -31.58 28.07 40.56 103.82 11 18 14 1488.9 -29.36 19.57
 110.00 22 59 54 4650.80 30.09 191.09 38.91 72.96 24 17 23 4050.8 27.47 182.88

MID-COURSE EXECUTION ACCURACY
 SGT 2034.3 SGR 476.2 SG3 108.5
 RRT .2848 RRF -.2987 RTF -.8892
 SGB 2108.7 R23 -.0338 R13 -.8898
 SGI 2059.0 SGT 455.5 TMA 3.97

ORBIT DETERMINATION ACCURACY
 ST 922.2 SR 353.1 SS 808.9
 CRT -.6055 CRS -.7065 CST .9906
 LSA 1246.2 MSA 275.6 SSA 17.4
 EL1 948.9 EL2 273.1 ALF 165.74

DIFFERENTIAL CORRECTIONS
 TDE 1.0679 TRA-2.7238 TC3 -.2632 BAU .2546
 RDE -.4987 RRA -.4530 RC3 .0715 FAU .01480
 FDE -.8263 FRA 1.5718 FC3 -.1835 BSP 6538
 BDE 1.1777 BRA 2.7612 BC3 .2727 FSP -293

LAUNCH DATE APR 15 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 266.131

RL 150.08 LAL -0.00 LOL 204.35 VL 24.871 GAL 14.30 AZL 92.64 MCA 101.57 SMA 115.40 ECC .38185 INC 2.6377 V1 29.689
 RP 108.94 LAP -2.58 LOP 305.93 VP 35.867 GAP -22.23 AZP 89.47 TAL 154.00 TAP 255.57 RCA 71.33 APO 159.46 V2 34.785
 RC 50.440 GL -7.93 GP 6.60 ZAL 45.32 ZAP 9.47 ETS 225.81 ZAE 145.41 ETE 155.51 ZAC 128.58 ETC 26.03 CLP 6.81

PLANETOCENTRIC CONIC

C3 64.697 VHL 8.043 DLA .63 RAL 158.16 RAD 6569.2 VEL 13.640 PTH 2.49 VHP 13.778 DPA 26.06 RAP 137.93 ECC 2.0647
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 18 55 2525.13 -25.69 62.14 40.23 102.33 9 1 0 1925.1 -23.74 54.02
 90.00 20 26 16 5130.16 25.10 228.40 39.70 76.44 21 51 46 4530.2 22.98 220.36
 100.00 9 40 33 2261.81 -27.08 42.43 39.88 103.16 10 18 14 1661.8 -25.00 34.25
 100.00 21 47 19 4868.71 26.48 208.79 39.32 75.60 23 8 28 4268.7 24.24 200.70
 110.00 10 49 28 2046.09 -30.84 24.95 38.78 105.53 11 23 34 1446.1 -28.40 16.60
 110.00 22 54 53 4657.19 30.22 191.55 38.14 73.20 24 12 31 4057.2 27.62 183.31

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0743 TRA-2.7225 TC3 -.2632 BAU .2380 SGT 2127.5 SGR 470.8 SG3 117.1 ST 961.4 SR 337.8 SS 845.6
 RDE -.4551 RRA -.4435 RC3 .0805 FAU .01531 RRT .3094 RRF -.3263 RTF -.8959 CRT -.5942 CRS -.6993 CST .9901
 FDE -.8694 FRA 1.6270 FC3 -.2049 BSP 6800 SGB 2179.0 R23 -.0382 R13 -.8966 LSA 1296.2 MSA 270.0 SSA 17.4
 BDE 1.1667 BRA 2.7584 BC3 .2752 FSP -319 SGI 2132.7 SG2 446.7 TMA 4.10 EL1 983.8 EL2 265.5 ALF 167.26

LAUNCH DATE APR 15 1967

FLIGHT TIME 120.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC

DISTANCE 272.846

RL 150.08 LAL -0.00 LOL 204.35 VL 25.083 GAL 13.75 AZL 92.79 MCA 104.73 SMA 116.47 ECC .36750 INC 2.7934 V1 29.689
 RP 108.94 LAP -2.70 LOP 309.10 VP 36.013 GAP -21.26 AZP 89.29 TAL 153.45 TAP 258.18 RCA 73.67 APO 159.28 V2 34.784
 RC 49.035 GL -8.82 GP 7.04 ZAL 45.03 ZAP 8.93 ETS 233.60 ZAE 146.89 ETE 152.43 ZAC 126.71 ETC 25.45 CLP 5.51

PLANETOCENTRIC CONIC

C3 80.015 VHL 7.747 DLA -.36 RAL 158.23 RAD 6569.1 VEL 13.467 PTH 2.46 VHP 13.224 DPA 25.98 RAP 140.04 ECC 1.9877
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 26 27 2476.45 -24.94 58.78 38.55 103.86 9 7 44 1876.4 -22.79 50.77
 90.00 20 19 13 5142.90 25.29 229.25 38.84 76.82 21 44 56 4542.5 23.23 221.19
 100.00 9 47 38 2214.80 -26.31 39.13 38.17 104.73 10 24 32 1614.6 -24.03 31.08
 100.00 21 40 44 4879.59 26.66 209.54 38.47 75.96 23 2 3 4279.6 24.47 201.43
 110.00 10 55 30 2002.16 -30.00 21.81 36.97 107.21 11 28 52 1402.2 -27.35 13.62
 110.00 22 49 21 4684.79 30.37 192.09 37.32 73.49 24 7 6 4064.8 27.81 183.83

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0805 TRA-2.7195 TC3 -.2815 BAU .2220 SGT 2201.9 SGR 465.8 SG3 126.3 ST 1001.4 SR 320.9 SS 884.4
 RDE -.4137 RRA -.4353 RC3 .0805 FAU .01586 RRT .3377 RRF -.3578 RTF -.9022 CRT -.7579 CRS -.6891 CST .9895
 FDE -.9162 FRA 1.6854 FC3 -.2287 BSP 7062 SGB 2250.6 R23 -.0432 R13 -.9029 LSA 1348.3 MSA 263.9 SSA 17.4
 BDE 1.1570 BRA 2.7541 BC3 .2767 FSP -347 SGI 2207.7 SG2 437.2 TMA 4.25 EL1 1019.7 EL2 256.8 ALF 168.76

LAUNCH DATE APR 15 1967

FLIGHT TIME 122.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC

DISTANCE 279.577

RL 150.08 LAL -0.00 LOL 204.35 VL 25.282 GAL 13.23 AZL 92.95 MCA 107.89 SMA 117.50 ECC .35381 INC 2.9536 V1 29.689
 RP 108.94 LAP -2.81 LOP 312.26 VP 36.152 GAP -20.31 AZP 89.09 TAL 152.93 TAP 260.82 RCA 75.93 APO 159.08 V2 34.784
 RC 47.750 GL -9.78 GP 7.53 ZAL 44.81 ZAP 8.62 ETS 242.46 ZAE 148.37 ETE 148.87 ZAC 124.83 ETC 24.92 CLP 4.20

PLANETOCENTRIC CONIC

C3 55.756 VHL 7.467 DLA -1.39 RAL 158.22 RAD 6569.0 VEL 13.308 PTH 2.43 VHP 12.689 DPA 25.93 RAP 142.16 ECC 1.9176
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 34 6 2426.35 -24.08 55.36 36.84 105.37 9 14 33 1826.4 -21.74 47.47
 90.00 20 11 32 5156.55 25.51 230.22 37.95 77.27 21 37 28 4556.6 23.50 222.13
 100.00 9 54 48 2166.05 -25.42 35.80 36.42 106.28 10 30 54 1566.0 -22.95 27.87
 100.00 21 33 31 4892.09 26.87 210.42 37.59 76.37 22 55 3 4292.1 24.72 202.27
 110.00 11 1 34 1957.07 -29.05 18.64 35.13 108.87 11 34 11 1357.1 -26.20 10.62
 110.00 22 43 15 4673.84 30.54 192.74 36.48 73.84 24 1 9 4073.8 28.02 184.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0876 TRA-2.7138 TC3 -.2576 BAU .2064 SGT 2276.6 SGR 461.3 SG3 136.5 ST 1042.6 SR 302.3 SS 925.7
 RDE -.3723 RRA -.4286 RC3 .1014 FAU .01645 RRT .3700 RRF -.3937 RTF -.9082 CRT -.5610 CRS -.6751 CST .9890
 FDE -.9674 FRA 1.7471 FC3 -.2554 BSP 7320 SGB 2322.9 R23 -.0489 R13 -.9090 LSA 1403.1 MSA 257.3 SSA 17.4
 BDE 1.1495 BRA 2.7474 BC3 .2769 FSP -377 SGI 2283.3 SG2 427.3 TMA 4.44 EL1 1057.1 EL2 246.8 ALF 170.22

LAUNCH DATE APR 15 1967

FLIGHT TIME 124.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 286.320

RL 150.08 LAL -0.00 LOL 204.35 VL 25.468 GAL 12.73 AZL 93.12 MCA 111.04 SMA 118.50 ECC .34077 INC 3.1197 V1 29.689
 RP 108.94 LAP -2.91 LOP 315.42 VP 36.283 GAP -19.40 AZP 88.88 TAL 152.45 TAP 263.49 RCA 78.12 APO 158.88 V2 34.785
 RC 48.594 GL -10.82 GP 8.09 ZAL 44.67 ZAP 8.58 ETS 251.96 ZAE 149.80 ETE 144.76 ZAC 122.93 ETC 24.44 CLP 2.88

PLANETOCENTRIC CONIC

C3 51.892 VHL 7.204 DLA -2.48 RAL 158.15 RAD 6568.9 VEL 13.163 PTH 2.40 VHP 12.170 DPA 25.92 RAP 144.28 ECC 1.8540
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8.41 54 2374.75 -23.11 51.89 35.11 106.84 9 21 29 1774.8 -20.58 44.13
 90.00 20 3 8 5172.63 25.74 231.34 37.03 77.78 21 29 20 4572.6 23.80 223.21
 100.00 10 2 5 2116.09 -24.43 32.42 34.66 107.79 10 37 22 1516.1 -21.76 24.63
 100.00 21 25 38 4906.53 27.09 211.43 36.69 76.86 22 47 24 4306.5 25.01 203.25
 110.00 11 7 41 1910.76 -27.99 15.46 33.29 110.48 11 39 32 1310.8 -24.94 7.61
 110.00 22 36 32 4684.63 30.74 193.51 35.61 74.26 23 54 36 4084.6 28.28 185.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0953 TRA-2.7061 TC3 -.2518 BAU .1916 SGT 2352.0 SGR 457.9 SG3 147.5 ST 1084.8 SR 281.9 SS 969.8
 RDE -.3308 RRA -.4238 RC3 .1134 FAU .01709 RRT .4069 RRF -.4344 RTF -.9138 CRT -.6358 CRS -.6552 CST .9886
 FDE -1.0238 FRA 1.8126 FC3 -.2852 BSP 7583 SGB 2396.2 R23 -.0554 R13 -.9147 LSA 1460.7 MSA 250.5 SSA 17.4
 BDE 1.1442 BRA 2.7391 BC3 .2761 FSP -410 SGI 2359.6 SG2 416.9 TMA 4.68 EL1 1095.8 EL2 235.7 ALF 171.69

LAUNCH DATE APR 15 1967

FLIGHT TIME 126.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 293.072

RL 150.08 LAL -1.00 LOL 204.35 VL 25.642 GAL 12.25 AZL 93.29 MCA 114.20 SMA 119.45 ECC .32836 INC 3.2930 V1 29.689
 RP 108.94 LAP -3.00 LOP 318.59 VP 36.407 GAP -18.52 AZP 88.65 TAL 152.00 TAP 266.20 RCA 80.25 APO 158.67 V2 34.786
 RC 45.578 GL -11.94 GP 8.71 ZAL 44.61 ZAP 8.84 ETS 261.49 ZAE 151.14 ETE 140.02 ZAC 121.03 ETC 24.01 CLP 1.54

PLANETOCENTRIC CONIC

C3 48.397 VML 6.957 DLA -3.63 RAL 158.00 RAD 6568.8 VEL 13.029 PTM 2.38 VMP 11.670 DPA 25.96 RAP 146.39 ECC 1.7965
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 49 54 2321.51 -22.01 48.37 33.38 108.28 9 28 36 1721.5 -19.31 40.74
 90.00 19 53 56 5191.12 26.00 232.63 36.09 78.38 21 20 27 4591.1 24.14 224.46
 100.00 10 9 33 2064.60 -23.31 29.00 32.90 109.26 10 43 57 1464.6 -20.47 21.36
 100.00 21 16 59 4923.27 27.35 212.61 35.77 77.43 22 39 2 4323.3 25.34 204.38
 110.00 11 13 54 1863.16 -26.81 12.26 31.44 112.05 11 44 57 1263.2 -23.58 4.58
 110.00 22 29 7 4697.47 30.98 194.44 34.74 74.76 23 47 25 4097.5 28.57 186.06

DIFFERENTIAL CORRECTIONS

TDE 1.1094 TRA-2.6917 TC3 -.2395 BAU .1753
 RDE -.2886 RRA -.4207 RC3 .1265 FAU .01785
 FDE -1.0875 FRA 1.8806 FC3 -.3193 BSP 7952
 BDE 1.1463 BRA 2.7244 BC3 .2709 FSP -449

MID-COURSE EXECUTION ACCURACY

SGT 2425.0 SGR 456.1 SG3 159.5
 RRT .4478 RRF -.4799 RTF -.9198
 SGB 2467.5 R23 -.0627 R13 -.9208
 SG1 2433.8 SG2 406.3 TMA 4.95

ORBIT DETERMINATION ACCURACY

ST 1131.0 SR 259.6 SS 1017.9
 CRT -.5036 CRS -.6271 CST .9884
 LSA 1524.3 MSA 242.4 SSA 17.3
 EL1 1138.8 EL2 222.7 ALF 173.14

LAUNCH DATE APR 15 1967

FLIGHT TIME 128.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 299.831

RL 150.08 LAL -1.00 LOL 204.35 VL 25.805 GAL 11.79 AZL 93.48 MCA 117.36 SMA 120.36 ECC .31657 INC 3.4751 V1 29.689
 RP 108.93 LAP -3.09 LOP 321.75 VP 36.524 GAP -17.66 AZP 88.40 TAL 151.58 TAP 268.94 RCA 82.25 APO 158.46 V2 34.788
 RC 44.711 GL -13.16 GP 9.41 ZAL 44.64 ZAP 9.41 ETS 270.36 ZAE 152.32 ETE 134.61 ZAC 119.12 ETC 23.61 CLP .18

PLANETOCENTRIC CONIC

C3 45.251 VML 6.727 DLA -4.85 RAL 157.77 RAD 6568.7 VEL 12.908 PTM 2.35 VMP 11.187 DPA 26.06 RAP 148.52 ECC 1.7447
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 58 11 2266.50 -20.79 44.80 31.65 109.67 9 35 57 1666.5 -17.92 37.30
 90.00 19 43 51 5212.44 26.29 234.13 35.15 79.07 21 10 44 4612.4 24.51 225.91
 100.00 10 17 14 2011.47 -22.08 25.54 31.14 110.68 10 50 45 1411.5 -19.07 18.04
 100.00 21 7 29 4942.70 27.63 213.99 34.84 78.11 22 29 52 4342.7 25.71 205.71
 110.00 11 20 15 1814.20 -25.52 9.04 29.61 113.56 11 50 29 1214.2 -22.11 1.54
 110.00 22 20 58 4712.73 31.24 195.55 33.87 75.37 23 39 31 4112.7 28.92 187.12

DIFFERENTIAL CORRECTIONS

TDE 1.1179 TRA-2.6819 TC3 -.2302 BAU .1632
 RDE -.2458 RRA -.4204 RC3 .1408 FAU .01857
 FDE -1.1562 FRA 1.9549 FC3 -.3552 BSP 8146
 BDE 1.1446 BRA 2.7147 BC3 .2698 FSP -488

MID-COURSE EXECUTION ACCURACY

SGT 2501.6 SGR 457.0 SG3 172.6
 RRT .4950 RRF -.5312 RTF -.9246
 SGB 2543.0 R23 -.0711 R13 -.9257
 SG1 2512.1 SG2 395.4 TMA 5.30

ORBIT DETERMINATION ACCURACY

ST 1174.6 SR 235.5 SS 1068.1
 CRT -.4526 CRS -.5840 CST .9878
 LSA 1587.6 MSA 235.5 SSA 17.1
 EL1 1179.6 EL2 209.1 ALF 174.65

LAUNCH DATE APR 15 1967

FLIGHT TIME 130.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 306.593

RL 150.08 LAL -1.00 LOL 204.35 VL 25.958 GAL 11.36 AZL 93.67 MCA 120.52 SMA 121.22 ECC .30539 INC 3.6679 V1 29.689
 RP 108.92 LAP -3.16 LOP 324.92 VP 36.634 GAP -16.83 AZP 88.14 TAL 151.20 TAP 271.71 RCA 84.20 APO 158.24 V2 34.791
 RC 44.000 GL -14.47 GP 10.21 ZAL 44.76 ZAP 10.28 ETS 278.14 ZAE 153.26 ETE 128.53 ZAC 117.20 ETC 23.26 CLP -1.21

PLANETOCENTRIC CONIC

C3 42.435 VML 6.514 DLA -6.15 RAL 157.46 RAD 6568.6 VEL 12.798 PTM 2.33 VMP 10.722 DPA 26.24 RAP 150.65 ECC 1.6984
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 6 48 2209.51 -19.45 41.16 29.93 111.00 9 43 37 1609.5 -16.42 33.79
 90.00 19 32 47 5237.08 26.59 235.87 34.21 79.89 21 0 4 4637.1 24.93 227.59
 100.00 10 25 13 1956.52 -20.71 22.03 29.40 112.05 10 57 50 1356.5 -17.54 14.67
 100.00 20 57 2 4965.30 27.93 215.60 33.93 78.90 22 19 48 4365.3 26.12 207.26
 110.00 11 26 47 1763.78 -24.11 5.80 27.80 115.00 11 56 10 1163.8 -20.53 358.48
 110.00 22 11 58 4730.80 31.55 196.87 33.01 76.10 23 30 49 4130.8 29.31 188.37

DIFFERENTIAL CORRECTIONS

TDE 1.1320 TRA-2.6671 TC3 -.2159 BAU .1512
 RDE -.2016 RRA -.4230 RC3 .1562 FAU .01936
 FDE -1.2334 FRA 2.0332 FC3 -.3949 BSP 8439
 BDE 1.1498 BRA 2.7004 BC3 .2665 FSP -531

MID-COURSE EXECUTION ACCURACY

SGT 2576.3 SGR 461.4 SG3 186.8
 RRT .5461 RRF -.5868 RTF -.9296
 SGB 2617.3 R23 -.0806 R13 -.9309
 SG1 2588.9 SG2 384.7 TMA 5.71

ORBIT DETERMINATION ACCURACY

ST 1221.7 SR 209.9 SS 1122.5
 CRT -.3786 CRS -.5175 CST .9876
 LSA 1656.6 MSA 227.9 SSA 16.9
 EL1 1224.3 EL2 193.9 ALF 176.18

LAUNCH DATE APR 15 1967

FLIGHT TIME 132.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 313.357

RL 150.08 LAL -1.00 LOL 204.35 VL 26.100 GAL 10.95 AZL 93.87 MCA 123.68 SMA 122.05 ECC .29479 INC 3.8737 V1 29.689
 RP 108.91 LAP -3.22 LOP 328.09 VP 36.739 GAP -16.02 AZP 87.85 TAL 150.85 TAP 274.52 RCA 86.07 APO 158.03 V2 34.795
 RC 43.455 GL -15.90 GP 11.12 ZAL 45.00 ZAP 11.42 ETS 284.60 ZAE 153.87 ETE 121.87 ZAC 115.26 ETC 22.94 CLP -2.62

PLANETOCENTRIC CONIC

C3 39.932 VML 6.319 DLA -7.53 RAL 157.07 RAD 6568.5 VEL 12.700 PTM 2.31 VMP 10.275 DPA 26.51 RAP 152.80 ECC 1.6572
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 15 51 2150.30 -17.96 37.45 28.25 112.27 9 51 42 1550.3 -14.78 30.22
 90.00 19 20 34 5265.61 26.92 237.89 33.29 80.86 20 48 19 4665.6 25.38 229.56
 100.00 10 33 35 1899.56 -19.22 18.46 27.69 113.35 11 5 14 1299.6 -15.89 11.24
 100.00 20 45 31 4991.59 28.26 217.48 33.04 79.84 22 8 43 4391.6 26.57 209.09
 110.00 11 33 34 1711.76 -22.57 2.54 26.03 116.38 12 2 5 1111.8 -18.84 355.39
 110.00 22 2 2 4752.15 31.88 198.44 32.18 76.97 23 21 14 4152.2 29.76 189.87

DIFFERENTIAL CORRECTIONS

TDE 1.1505 TRA-2.6479 TC3 -.1959 BAU .1396
 RDE -.1552 RRA -.4290 RC3 .1731 FAU .02026
 FDE -1.3214 FRA 2.1145 FC3 -.4392 BSP 8768
 BDE 1.1609 BRA 2.6825 BC3 .2614 FSP -581

MID-COURSE EXECUTION ACCURACY

SGT 2648.5 SGR 470.8 SG3 202.3
 RRT .6010 RRF -.6456 RTF -.9345
 SGB 2690.0 R23 -.0907 R13 -.9360
 SG1 2663.8 SG2 374.1 TMA 6.22

ORBIT DETERMINATION ACCURACY

ST 1271.2 SR 183.6 SS 1181.9
 CRT -.2626 CRS -.4099 CST .9875
 LSA 1731.5 MSA 220.1 SSA 16.6
 EL1 1272.2 EL2 177.0 ALF 177.79

LAUNCH DATE APR 15 1967

FLIGHT TIME 134.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 320.119

RL 150.08 LAL -0.00 LOL 204.35 VL 26.233 GAL 10.55 AZL 94.10 MCA 126.83 SMA 122.83 ECC .28478 INC 4.0953 V1 29.689
 RP 108.90 LAP -3.28 LOP 331.25 VP 36.837 GAP -15.24 AZP 87.54 TAL 150.53 TAP 277.36 RCA 87.85 APO 157.81 V2 34.799
 RC 43.079 GL -17.45 GP 12.15 ZAL 45.34 ZAP 12.80 ETS 289.79 ZAE 154.07 ETE 114.82 ZAC 113.31 ETC 22.66 CLP -4.06

PLANETOCENTRIC CONIC

C3 37.733 VHL 6.143 DLA -9.01 RAL 156.58 RAD 6568.5 VEL 12.614 PTH 2.29 VHP 9.848 DPA 26.89 RAP 154.98 ECC 1.6210
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 25 29 2088.56 -16.32 33.66 26.61 113.46 10 0 18 1488.6 -13.01 26.55
 90.00 19 7 2 5298.73 27.25 240.26 32.41 82.00 20 35 21 4698.7 25.87 231.86
 100.00 10 42 26 1840.32 -17.58 14.82 26.03 114.57 11 13 7 1240.3 -14.12 7.74
 100.00 20 32 46 5022.20 28.61 219.69 32.18 80.95 21 56 29 4422.2 27.06 211.23
 110.00 11 40 40 1657.97 -20.91 359.26 24.30 117.68 12 8 18 1058.0 -17.04 352.27
 110.00 21 51 2 4777.31 32.26 200.31 31.39 78.02 23 10 39 4177.3 30.27 191.66

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1730 TRA-2.6267 TC3 -.1729 BAU .1301 SGT 2719.4 SGR 486.9 SG3 219.1 ST 1323.2 SR 159.1 SS 1246.0
 ROE -.1060 RRA -.4392 RC3 .1914 FAU .02121 RRT .6576 RRF -.7057 RTF -.9392 CRT -.0741 CRS -.2287 CST .9875
 FDE-1.4206 FRA 2.2003 FC3 -.4865 BSP 9101 SGB 2762.7 R23 -.1019 R13 -.9410 LSA 1812.0 MSA 212.4 SSA 16.2
 BOE 1.1777 BRA 2.6631 BC3 .2579 FSP -635 SGI 2738.6 SG2 364.3 TMA 6.84 EL1 1323.2 EL2 158.6 ALF 179.48

LAUNCH DATE APR 15 1967

FLIGHT TIME 136.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 326.876

RL 150.08 LAL -0.00 LOL 204.35 VL 26.356 GAL 10.18 AZL 94.34 MCA 129.99 SMA 123.58 ECC .27532 INC 4.3360 V1 29.689
 RP 108.88 LAP -3.32 LOP 334.42 VP 36.930 GAP -14.48 AZP 87.21 TAL 150.24 TAP 280.23 RCA 89.55 APO 157.60 V2 34.804
 RC 42.876 GL -19.13 GP 13.35 ZAL 45.82 ZAP 14.43 ETS 293.84 ZAE 153.81 ETE 107.64 ZAC 111.34 ETC 22.40 CLP -5.54

PLANETOCENTRIC CONIC

C3 35.826 VHL 5.985 DLA -10.59 RAL 155.99 RAD 6568.4 VEL 12.538 PTH 2.27 VHP 9.440 DPA 27.41 RAP 157.19 ECC 1.5896
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 35 51 2023.83 -14.53 29.75 25.03 114.57 10 9 35 1423.8 -11.09 22.76
 90.00 18 51 50 5337.24 27.59 243.03 31.56 83.35 20 20 55 4737.2 26.38 234.57
 100.00 10 51 55 1778.41 -15.79 11.10 24.42 115.72 11 21 33 1178.4 -12.20 -4.14
 100.00 20 18 35 5057.89 28.97 222.28 31.36 82.27 21 42 53 4457.9 27.59 213.75
 110.00 11 48 12 1602.17 -19.11 355.93 22.63 118.90 12 14 54 1002.2 -15.10 349.10
 110.00 21 38 48 4806.89 32.65 202.53 30.67 79.87 22 58 55 4206.9 30.83 193.78

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2332 TRA-2.5701 TC3 -.1100 BAU .1147 SGT 2770.3 SGR 511.5 SG3 237.2 ST 1399.0 SR 141.3 SS 1324.4
 ROE -.0514 RRA -.4528 RC3 .2127 FAU .02289 RRT .7141 RRF -.7634 RTF -.9472 CRT .2082 CRS -.0858 CST .9894
 FDE-1.5477 FRA 2.2744 FC3 -.5531 BSP 10228 SGB 2817.1 R23 -.1082 R13 -.9492 LSA 1921.5 MSA 197.3 SSA 15.6
 BOE 1.2342 BRA 2.6096 BC3 .2394 FSP -725 SGI 2794.7 SG2 355.0 TMA 7.64 EL1 1399.3 EL2 130.2 ALF 1.22

LAUNCH DATE APR 15 1967

FLIGHT TIME 138.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 333.640

RL 150.08 LAL -0.00 LOL 204.35 VL 26.471 GAL 9.83 AZL 94.60 MCA 133.15 SMA 124.28 ECC .26645 INC 4.6003 V1 29.689
 RP 108.87 LAP -3.35 LOP 337.59 VP 37.017 GAP -13.75 AZP 86.85 TAL 149.98 TAP 283.13 RCA 91.16 APO 157.39 V2 34.809
 RC 42.849 GL -20.95 GP 14.72 ZAL 46.43 ZAP 16.29 ETS 296.90 ZAE 153.03 ETE 100.68 ZAC 109.34 ETC 22.17 CLP -7.04

PLANETOCENTRIC CONIC

C3 34.230 VHL 5.851 DLA -12.28 RAL 155.30 RAD 6568.3 VEL 12.474 PTH 2.26 VHP 9.055 DPA 28.09 RAP 159.46 ECC 4.5633
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 47 11 1955.74 -12.56 25.72 23.56 115.59 10 19 47 1355.7 -9.02 18.83
 90.00 18 35 9 5382.32 27.90 246.29 30.79 84.96 20 4 51 4782.3 26.91 237.76
 100.00 11 2 15 1713.59 -13.84 7.27 22.92 116.76 11 30 48 1113.6 -10.13 .44
 100.00 20 2 47 5099.70 29.31 225.34 30.64 83.85 21 27 48 4499.7 28.15 216.73
 110.00 11 56 18 1544.30 -17.17 352.56 21.05 120.02 12 22 2 944.3 -13.05 345.87
 110.00 21 25 13 4841.76 33.06 205.16 30.04 80.78 22 45 54 4241.8 31.44 196.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1487 TRA-2.6629 TC3 -.2170 BAU .1438 SGT 2907.3 SGR 549.4 SG3 256.7 ST 1380.8 SR 144.5 SS 1366.4
 ROE .0020 RRA -.4797 RC3 .2273 FAU .02129 RRT .7623 RRF -.8206 RTF -.9394 CRT .5895 CRS .4298 CST .9823
 FDE-1.6203 FRA 2.4260 FC3 -.5386 BSP 7755 SGB 2958.8 R23 -.1451 R13 -.9421 LSA 1935.4 MSA 220.2 SSA 15.4
 BOE 1.1487 BRA 2.7057 BC3 .3142 FSP -673 SGI 2937.8 SG2 351.9 TMA 8.32 EL1 1383.4 EL2 116.5 ALF 3.55

LAUNCH DATE APR 15 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 340.384

RL 150.08 LAL -0.00 LOL 204.35 VL 26.578 GAL 9.90 AZL 94.89 MCA 136.31 SMA 124.94 ECC .25806 INC 4.8934 V1 29.689
 RP 108.85 LAP -3.38 LOP 340.76 VP 37.099 GAP -13.05 AZP 86.46 TAL 149.76 TAP 286.07 RCA 92.70 APO 157.18 V2 34.815
 RC 42.995 GL -22.94 GP 16.32 ZAL 47.21 ZAP 18.39 ETS 299.14 ZAE 151.74 ETE 94.25 ZAC 107.31 ETC 21.95 CLP -8.59

PLANETOCENTRIC CONIC

C3 32.916 VHL 5.737 DLA -14.10 RAL 154.48 RAD 6568.3 VEL 12.421 PTH 2.24 VHP 8.692 DPA 28.97 RAP 161.79 ECC 1.5417
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 59 44 1883.17 -10.39 21.49 22.17 116.49 10 31 8 1283.2 -6.75 14.70
 90.00 18 16 4 5435.15 28.16 250.13 30.08 86.87 19 46 39 4835.1 27.43 241.54
 100.00 11 13 38 1644.87 -11.69 3.30 21.50 117.71 11 41 1 1044.9 -7.89 356.57
 100.00 19 44 54 5148.68 29.61 228.95 29.97 85.73 21 10 42 4548.7 28.71 220.27
 110.00 12 5 4 1483.65 -15.07 349.11 19.54 121.05 12 29 48 883.7 -10.84 342.56
 110.00 21 9 55 4882.67 33.47 208.88 29.51 82.59 22 31 17 4282.7 32.08 199.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2268 TRA-2.5968 TC3 -.1435 BAU .1274 SGT 2945.8 SGR 599.4 SG3 277.2 ST 1464.4 SR 171.3 SS 1457.4
 ROE .0697 RRA -.5058 RC3 .2514 FAU .02310 RRT .8101 RRF -.8667 RTF -.9476 CRT .8395 CRS .7365 CST .9855
 FDE-1.7824 FRA 2.5021 FC3 -.8074 BSP 9018 SGB 3006.2 R23 -.1507 R13 -.9507 LSA 2063.0 MSA 204.3 SSA 14.5
 BOE 1.2267 BRA 2.6456 BC3 .2895 FSP -778 SGI 2986.1 SG2 346.7 TMA 9.49 EL1 1471.5 EL2 92.6 ALF 5.63

LAUNCH DATE APR 15 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 347.122

RL 150.08 LAL -0.00 LOL 204.35 VL 26.677 GAL 9.18 AZL 95.22 MCA 139.47 SMA 125.56 ECC .25020 INC 5.2227 V1 29.689
 RP 108.83 LAP -3.39 LOP 343.94 VP 37.177 GAP -12.34 AZP 86.03 TAL 149.56 TAP 289.03 RCA 94.15 APO 156.98 V2 34.822
 RC 43.312 GL -25.11 GP 18.19 ZAL 48.16 ZAP 20.76 ETS 300.69 ZAE 149.94 ETE 88.57 ZAC 105.23 ETC 21.75 CLP -10.18

PLANETOCENTRIC CONIC

C3 31.921 VHL 5.650 DLA -16.07 RAL 153.53 RAD 6568.3 VEL 12.381 PTH 2.23 VHP 8.356 OPA 30.10 RAP 164.23 ECC 1.5253
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 13 59 1805.13 -7.99 17.02 20.95 117.26 10 44 4 1205.1 -4.28 10.31
 90.00 17 54 15 5497.72 28.31 254.70 29.44 89.15 19 25 53 4897.7 27.89 246.06
 100.00 11 26 23 1571.54 -9.34 359.12 20.22 118.52 11 52 34 971.5 -5.46 352.49
 100.00 19 24 32 5206.54 29.83 233.24 29.39 87.97 20 51 19 4606.5 29.23 224.49
 110.00 12 14 46 1419.94 -12.80 345.57 18.17 121.97 12 38 26 819.9 -8.48 339.13
 110.00 20 52 38 4930.91 35.83 212.01 29.10 84.76 22 14 49 4330.9 32.73 202.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2882 TRA-2.5552 TC3 -.0973 BAU .1246 SGT 2998.4 SGR 667.4 SG3 298.6 ST 1536.6 SR 227.2 SS 1547.9
 RDE .1467 RRA -.5415 RC3 .2753 FAU .02432 RRT .8500 RRF -.9051 RTF -.9528 CRT .9539 CRS .8940 CST .9868
 FDE-1.9534 FRA 2.5894 FC3 -.6595 BSP 9671 SGB 3071.8 R23 -.1600 R13 -.9565 LSA 2184.1 MSA 195.9 SSA 13.5
 BDE 1.2966 BRA 2.6120 BC3 .2920 FSP -863 SGI 3052.3 SG2 345.4 TMA 10.85 EL1 1551.9 EL2 67.5 ALF 8.04

LAUNCH DATE APR 15 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 353.850

RL 150.08 LAL -0.00 LOL 204.35 VL 26.769 GAL 8.88 AZL 95.60 MCA 142.63 SMA 126.15 ECC .24285 INC 5.5975 V1 29.689
 RP 108.80 LAP -3.39 LOP 347.11 VP 37.250 GAP -11.66 AZP 85.55 TAL 149.39 TAP 292.02 RCA 95.51 APO 156.79 V2 34.830
 RC 43.798 GL -27.47 GP 20.39 ZAL 49.30 ZAP 23.44 ETS 301.66 ZAE 147.65 ETE 83.75 ZAC 103.09 ETC 21.54 CLP -11.80

PLANETOCENTRIC CONIC

C3 31.272 VHL 5.592 DLA -18.19 RAL 152.43 RAD 6568.2 VEL 12.355 PTH 2.23 VHP 8.052 OPA 31.52 RAP 166.82 ECC 1.5147
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 30 36 1719.76 -5.30 12.19 19.92 117.86 10 59 16 1119.8 -1.53 5.53
 90.00 17 28 51 5572.76 28.26 260.19 28.87 91.90 19 1 44 4972.8 28.22 251.52
 100.00 11 41 7 1492.21 -6.73 354.68 19.14 119.19 12 5 59 892.2 -2.79 348.11
 100.00 19 1 2 5275.54 29.89 236.37 28.92 90.67 20 28 57 4675.5 29.66 229.57
 110.00 12 25 43 1352.47 -10.34 341.89 16.95 122.76 12 48 15 752.5 -5.95 335.55
 110.00 20 32 55 4988.04 34.09 216.45 28.83 87.38 21 56 3 4388.0 33.36 207.29

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.3482 TRA-2.5255 TC3 -.0671 BAU .1280 SGT 3054.8 SGR 756.6 SG3 320.4 ST 1604.9 SR 308.7 SS 1640.4
 RDE .2371 RRA -.5878 RC3 .2987 FAU .02507 RRT .8814 RRF -.9348 RTF -.9566 CRT .9910 CRS .9587 CST .9875
 FDE-2.1401 FRA 2.8786 FC3 -.6941 BSP 10020 SGB 3147.1 R23 -.1704 R13 -.9611 LSA 2307.6 MSA 192.0 SSA 12.4
 BDE 1.3689 BRA 2.5930 BC3 .3061 FSP -936 SGI 3127.7 SG2 349.1 TMA 12.47 EL1 1633.8 EL2 40.6 ALF 10.80

LAUNCH DATE APR 15 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 360.567

RL 150.08 LAL -0.00 LOL 204.35 VL 26.853 GAL 8.61 AZL 96.03 MCA 145.79 SMA 126.70 ECC .23598 INC 6.0309 V1 29.689
 RP 108.78 LAP -3.39 LOP 350.29 VP 37.318 GAP -11.00 AZP 85.01 TAL 149.25 TAP 295.04 RCA 96.80 APO 156.60 V2 34.838
 RC 44.440 GL -30.06 GP 23.00 ZAL 50.65 ZAP 26.46 ETS 302.12 ZAE 144.88 ETE 79.83 ZAC 100.85 ETC 21.31 CLP -13.46

PLANETOCENTRIC CONIC

C3 31.018 VHL 5.569 DLA -20.49 RAL 151.16 RAD 6568.2 VEL 12.345 PTH 2.23 VHP 7.786 OPA 33.29 RAP 169.62 ECC 1.5105
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 50 44 1623.79 -2.23 6.81 19.19 118.24 11 17 48 1029.8 1.57 .18
 90.00 16 58 32 5664.63 27.87 266.88 28.35 95.24 18 32 57 5064.6 28.30 258.24
 100.00 11 58 40 1404.56 -3.80 349.83 18.32 119.67 12 22 5 804.6 .18 343.30
 100.00 18 33 18 5359.09 29.66 244.57 28.51 93.92 20 2 37 4759.1 29.89 235.77
 110.00 12 38 21 1280.23 -7.65 338.02 15.94 123.42 12 59 41 680.2 -3.21 331.76
 110.00 20 10 7 5056.19 34.18 221.77 28.72 90.53 21 34 23 4456.2 33.87 212.54

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.4184 TRA-2.5001 TC3 -.0441 BAU .1343 SGT 3109.7 SGR 871.0 SG3 341.7 ST 1675.6 SR 415.6 SS 1736.2
 RDE .3468 RRA -.6462 RC3 .3208 FAU .02545 RRT .9051 RRF -.9565 RTF -.9599 CRT .9994 CRS .9840 CST .9881
 FDE-2.3478 FRA 2.7592 FC3 -.7103 BSP 10265 SGB 3229.3 R23 -.1786 R13 -.9654 LSA 2441.0 MSA 190.4 SSA 11.3
 BDE 1.4602 BRA 2.5822 BC3 .3238 FSP -1002 SGI 3209.4 SG2 358.8 TMA 14.41 EL1 1726.3 EL2 14.5 ALF 13.92

LAUNCH DATE APR 15 1967

FLIGHT TIME 148.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 367.270

RL 150.08 LAL -0.00 LOL 204.35 VL 26.932 GAL 8.35 AZL 96.54 MCA 148.95 SMA 127.21 ECC .22959 INC 6.5412 V1 29.689
 RP 108.75 LAP -3.37 LOP 353.46 VP 37.383 GAP -10.36 AZP 84.39 TAL 149.13 TAP 298.08 RCA 98.00 APO 156.41 V2 34.846
 RC 45.237 GL -32.89 GP 26.09 ZAL 52.25 ZAP 29.90 ETS 302.16 ZAE 141.60 ETE 76.76 ZAC 98.50 ETC 21.02 CLP -15.14

PLANETOCENTRIC CONIC

C3 31.243 VHL 5.590 DLA -22.98 RAL 149.67 RAD 6568.2 VEL 12.354 PTH 2.23 VHP 7.569 OPA 35.49 RAP 172.73 ECC 1.5142
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 16 43 1510.58 1.43 .50 18.92 118.28 11 41 53 910.6 5.20 353.84
 90.00 16 20 44 5781.48 26.86 275.28 27.76 99.33 17 57 5 5181.5 27.87 266.76
 100.00 12 20 37 1504.29 -.40 344.32 17.90 119.89 12 42 22 704.3 3.58 337.79
 100.00 17 59 30 5463.00 28.93 252.20 28.11 97.88 19 30 33 4863.0 29.72 243.49
 110.00 12 53 23 1201.57 -4.69 333.87 16.23 123.90 13 13 25 601.6 -.20 327.65
 110.00 19 43 15 5138.48 33.94 228.18 28.74 94.31 21 8 52 4538.5 34.17 218.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.5129 TRA-2.4708 TC3 -.0194 BAU .1427 SGT 3158.1 SGR 1014.8 SG3 361.0 ST 1756.7 SR 551.2 SS 1836.9
 RDE .4841 RRA -.7176 RC3 .3410 FAU .02554 RRT .9233 RRF -.9715 RTF -.9633 CRT .9990 CRS .9940 CST .9891
 FDE-2.5819 FRA 2.8152 FC3 -.7076 BSP 10634 SGB 3317.1 R23 -.1808 R13 -.9700 LSA 2593.9 MSA 188.7 SSA 10.0
 BDE 1.5884 BRA 2.5729 BC3 .3416 FSP -1070 SGI 3296.0 SG2 373.4 TMA 16.75 EL1 1841.0 EL2 23.3 ALF 17.41

LAUNCH DATE APR 15 1967

FLIGHT TIME 150.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

RL 150.08 LAL -.00 LOL 204.35 VL 27.004 GAL 8.10 AZL 97.15 MCA 152.11 SMA 127.68 ECC .22365 INC 7.1548 V1 29.689
 RP 108.72 LAP -3.34 LOP 356.64 VP 37.443 GAP -9.74 AZP 83.67 TAL 149.03 TAP 301.14 RCA 99.13 APO 156.24 V2 34.856
 RC 46.178 GL -36.00 GP 29.77 ZAL 54.13 ZAP 33.82 ETS 301.82 ZAE 137.77 ETE 74.41 ZAC 95.99 ETC 20.63 CLP -16.83

PLANETOCENTRIC CONIC

C3 32.086 VML 5.664 DLA -25.67 RAL 147.94 RAD 6568.3 VEL 12.388 PTH 2.24 VMP 7.417 DPA 38.17 RAP 176.29 ECC 1.5281
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 54 40 1361.61 6.20 352.15 19.46 117.69 12 17 22 761.6 9.86 345.38
 90.00 15 28 55 655.81 24.56 308.70 26.78 104.55 15 39 51 55.8 26.32 300.47
 100.00 12 50 29 1181.38 3.76 337.57 18.12 119.68 13 10 11 581.4 7.68 330.98
 100.00 17 15 48 5599.30 27.26 261.98 27.50 102.76 18 49 7 4999.3 28.75 255.50
 110.00 13 12 6 1113.56 -1.33 329.26 14.95 124.16 13 30 40 513.6 3.16 323.06
 110.00 19 10 40 5239.89 33.15 235.99 28.81 98.87 20 38 0 4639.9 34.02 226.86

DIFFERENTIAL CORRECTIONS

TOE 1.6322 TRA-2.4470 TC3 -.0039 BAU .1525
 ROE .6593 RRA -.8041 RC3 .3554 FAU .02489
 FOE-2.8341 FRA 2.8375 FC3 -.6716 BSP 10958
 BOE 1.7603 BRA 2.5757 BC3 .3555 FSP -1122

MID-COURSE EXECUTION ACCURACY

SGT 3204.3 SGR 1192.2 SG3 376.0
 RRT .9365 RRF -.9815 RTF -.9663
 SGB 3418.9 R23 -.1783 R13 -.9745
 SG1 3396.1 SG2 394.4 TMA 19.48

ORBIT DETERMINATION ACCURACY

ST 1845.1 SR 719.9 SS 1936.4
 CRT .9969 CRS .9979 CST .9900
 LSA 2763.5 MSA 188.7 SSA 8.8
 EL1 1979.9 EL2 53.0 ALF 21.27

LAUNCH DATE APR 15 1967

FLIGHT TIME 152.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

RL 150.08 LAL -.00 LOL 204.35 VL 27.070 GAL 7.88 AZL 97.91 MCA 155.27 SMA 128.13 ECC .21816 INC 7.9116 V1 29.689
 RP 108.69 LAP -3.30 LOP 359.82 VP 37.500 GAP -9.13 AZP 82.81 TAL 148.95 TAP 304.22 RCA 100.17 APO 156.08 V2 34.865
 RC 47.255 GL -39.42 GP 34.17 ZAL 56.32 ZAP 38.31 ETS 301.13 ZAE 133.31 ETE 72.65 ZAC 93.27 ETC 20.03 CLP -18.48

PLANETOCENTRIC CONIC

C3 33.785 VML 5.812 DLA -28.59 RAL 145.89 RAD 6568.3 VEL 12.456 PTH 2.25 VMP 7.354 DPA 41.41 RAP 180.52 ECC 1.5560
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.86 12 58 54 1134.13 16.45 340.60 23.07 113.72 13 17 48 534.1 19.52 333.25
 94.14 14 8 20 909.28 16.48 324.15 23.08 113.71 14 23 29 309.3 19.53 316.79
 100.00 13 41 4 997.23 9.86 327.30 19.77 118.36 13 57 41 397.2 13.57 320.48
 100.00 16 8 51 5809.45 23.29 276.32 25.93 109.29 17 45 40 5209.5 25.70 268.35
 110.00 13 37 6 1009.71 2.64 323.85 15.37 124.09 13 53 56 409.7 7.10 317.59
 110.00 18 29 18 5369.74 31.36 245.69 28.68 104.35 19 58 48 4769.7 33.02 236.65

DIFFERENTIAL CORRECTIONS

TOE 1.7932 TRA-2.4275 TC3 .0041 BAU .1626
 ROE .8889 RRA -.9053 RC3 .3600 FAU .02330
 FOE-3.0972 FRA 2.8035 FC3 -.5970 BSP 11346
 BOE 2.0014 BRA 2.5908 BC3 .3600 FSP -1154

MID-COURSE EXECUTION ACCURACY

SGT 3248.4 SGR 1405.6 SG3 383.6
 RRT .9463 RRF -.9878 RTF -.9693
 SGB 3539.4 R23 -.1701 R13 -.9789
 SG1 3514.4 SG2 420.2 TMA 22.61

ORBIT DETERMINATION ACCURACY

ST 1947.6 SR 927.8 SS 2030.6
 CRT .9951 CRS .9994 CST .9911
 LSA 2956.6 MSA 189.2 SSA 7.6
 EL1 2155.7 EL2 83.1 ALF 25.40

LAUNCH DATE APR 15 1967

FLIGHT TIME 154.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

RL 150.08 LAL -.00 LOL 204.35 VL 27.131 GAL 7.67 AZL 98.87 MCA 158.42 SMA 128.53 ECC .21311 INC 8.8748 V1 29.689
 RP 108.66 LAP -3.25 LOP 3.01 VP 37.553 GAP -8.54 AZP 81.74 TAL 148.89 TAP 307.31 RCA 101.14 APO 155.93 V2 34.875
 RC 48.458 GL -43.17 GP 39.42 ZAL 58.87 ZAP 43.46 ETS 300.10 ZAE 128.11 ETE 71.26 ZAC 90.29 ETC 19.08 CLP -20.01

PLANETOCENTRIC CONIC

C3 36.761 VML 6.063 DLA -31.73 RAL 143.43 RAD 6568.4 VEL 12.575 PTH 2.28 VMP 7.423 DPA 45.22 RAP 185.80 ECC 1.6050
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.04 11 26 29 1419.33 17.48 2.31 22.80 116.92 11 50 8 819.3 20.95 355.10
 104.96 15 21 9 666.73 17.49 306.64 22.81 116.91 15 32 16 66.7 20.96 299.42
 75.04 11 26 29 1419.33 17.48 2.31 22.80 116.92 11 50 8 819.3 20.95 355.10
 104.96 15 21 9 666.73 17.49 306.64 22.81 116.91 15 32 16 66.7 20.96 299.42
 110.00 14 16 2 869.50 7.96 316.45 17.15 123.35 14 30 31 269.3 12.29 310.04
 110.00 17 30 47 5552.79 27.55 258.56 27.65 111.08 19 3 20 4952.8 30.16 250.34

DIFFERENTIAL CORRECTIONS

TOE 2.0187 TRA-2.4183 TC3 .0026 BAU .1711
 ROE 1.1953 RRA-1.0180 RC3 .3482 FAU .02041
 FOE-3.3515 FRA 2.6903 FC3 -.4808 BSP 11808
 BOE 2.3461 BRA 2.6238 BC3 .3482 FSP -1151

MID-COURSE EXECUTION ACCURACY

SGT 3295.3 SGR 1653.3 SG3 379.6
 RRT .9536 RRF -.9918 RTF -.9721
 SGB 3686.8 R23 -.1567 R13 -.9832
 SG1 3659.4 SG2 448.3 TMA 25.99

ORBIT DETERMINATION ACCURACY

ST 2071.0 SR 1179.5 SS 2111.0
 CRT .9941 CRS .9999 CST .9923
 LSA 3178.1 MSA 189.7 SSA 6.4
 EL1 2380.7 EL2 111.1 ALF 29.59

LAUNCH DATE APR 15 1967

FLIGHT TIME 156.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

RL 150.08 LAL -.00 LOL 204.35 VL 27.186 GAL 7.48 AZL 100.15 MCA 161.57 SMA 128.91 ECC .20848 INC 10.1503 V1 29.689
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.603 GAP -7.96 AZP 80.36 TAL 148.84 TAP 310.40 RCA 102.03 APO 155.78 V2 34.886
 RC 49.776 GL -47.27 GP 45.63 ZAL 61.84 ZAP 49.32 ETS 298.64 ZAE 122.03 ETE 69.87 ZAC 86.99 ETC 17.47 CLP -21.22

PLANETOCENTRIC CONIC

C3 41.821 VML 6.467 DLA -35.07 RAL 140.44 RAD 6568.6 VEL 12.774 PTH 2.32 VMP 7.692 DPA 49.55 RAP 192.74 ECC 1.6883
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 68.38 10 32 45 1580.56 18.04 15.10 22.79 120.60 10 59 6 980.6 21.96 8.09
 111.62 15 51 3 5858.67 18.05 277.44 22.80 120.59 17 28 42 5258.7 21.98 270.44
 68.38 10 32 45 1580.56 18.04 15.10 22.79 120.60 10 59 6 980.6 21.96 8.09
 111.62 15 51 3 5858.67 18.05 277.44 22.80 120.59 17 28 42 5258.7 21.98 270.44
 68.38 10 32 45 1580.56 18.04 15.10 22.79 120.60 10 59 6 980.6 21.96 8.09
 111.62 15 51 3 5858.67 18.05 277.44 22.80 120.59 17 28 42 5258.7 21.98 270.44

DIFFERENTIAL CORRECTIONS

TOE 2.3516 TRA-2.4299 TC3 -.0103 BAU .1744
 ROE 1.8089 RRA-1.1317 RC3 .3117 FAU .01586
 FOE-3.5630 FRA 2.4783 FC3 -.3284 BSP 12353
 BOE 2.8493 BRA 2.6406 BC3 .3119 FSP -1097

MID-COURSE EXECUTION ACCURACY

SGT 3355.7 SGR 1922.4 SG3 359.7
 RRT .9591 RRF -.9940 RTF -.9751
 SGB 3867.4 R23 -.1395 R13 -.9872
 SG1 3838.0 SG2 475.5 TMA 29.28

ORBIT DETERMINATION ACCURACY

ST 2227.9 SR 1472.2 SS 2164.9
 CRT .9940 CRS 1.0000 CST .9937
 LSA 3432.4 MSA 189.7 SSA 5.4
 EL1 2666.9 EL2 135.1 ALF 33.39

LAUNCH DATE APR 15 1967

FLIGHT TIME 158.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 400.503

RL 150.08 LAL -.00 LOL 204.35 VL 27.236 GAL 7.31 AZL 101.93 MCA 164.71 SMA 129.25 ECC .20427 INC11.9302 V1 29.689
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.650 GAP -7.40 AZP 78.48 TAL 148.78 TAP 313.49 RCA 102.85 APO 155.66 V2 34.897
 RC 51.201 GL -51.70 GP 52.87 ZAL 65.26 ZAP 55.88 ETS 296.39 ZAE 114.95 ETE 67.87 ZAC 83.29 ETC 14.61 CLP -21.70

PLANETOCENTRIC CONIC

C3 50.844 VML 7.116 DLA -38.53 RAL 136.74 RAD 6568.9 VEL 13.115 PTM 2.39 VMP 8.289 DPA 54.08 RAP 202.31 ECC 1.8335
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.70 9 47 57 1717.25 17.77 25.96 22.99 124.76 10 16 34 1117.3 22.20 19.28
 117.30 16 6 20 5818.03 17.79 273.98 23.00 124.76 17 43 18 5218.0 22.21 267.30
 62.70 9 47 57 1717.25 17.77 25.96 22.99 124.76 10 16 34 1117.3 22.20 19.28
 117.30 16 6 20 5818.03 17.79 273.98 23.00 124.76 17 43 18 5218.0 22.21 267.30
 62.70 9 47 57 1717.25 17.77 25.96 22.99 124.76 10 16 34 1117.3 22.20 19.28
 117.30 16 6 20 5818.03 17.79 273.98 23.00 124.76 17 43 18 5218.0 22.21 267.30

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.8873 TRA-2.4834 TC3 -.0349 BAU .1668 SGT 3455.2 SGR 2174.3 SG3 320.7 ST 2447.8 SR 1783.5 SS 2179.8
 RDE 2.1655 RRA-1.2164 RC3 .2439 FAU .00957 RRT .9631 RRF -.9951 RTF -.9786 CRT .9943 CRS 1.0000 CST .9951
 FDE-3.6896 FRA 2.1502 FC3 -.1636 BSP 13036 SGB 4082.4 R23 -.1205 R13 -.9906 LSA 3726.8 MSA 188.5 SSA 4.4
 BDE 3.6091 BRA 2.7653 BC3 .2464 FSP -.985 SGI 4051.8 SG2 499.1 TMA 31.76 EL1 3024.7 EL2 153.6 ALF 36.03

LAUNCH DATE APR 15 1967

FLIGHT TIME 160.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 407.059

RL 150.08 LAL -.00 LOL 204.35 VL 27.282 GAL 7.16 AZL 104.60 MCA 167.83 SMA 129.57 ECC .20049 INC14.6012 V1 29.689
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.693 GAP -6.86 AZP 75.71 TAL 148.73 TAP 316.56 RCA 103.59 APO 155.55 V2 34.908
 RC 52.722 GL -56.33 GP 61.07 ZAL 69.19 ZAP 63.02 ETS 292.08 ZAE 106.80 ETE 63.69 ZAC 79.09 ETC 8.90 CLP -20.28

PLANETOCENTRIC CONIC

C3 67.231 VML 8.199 DLA -41.88 RAL 132.09 RAD 6569.3 VEL 13.733 PTM 2.51 VMP 9.466 DPA 58.08 RAP 215.94 ECC 2.1064
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.78 9 6 52 1849.85 16.15 35.94 23.23 129.18 9 37 42 1249.9 21.10 29.72
 122.24 16 10 18 5823.83 16.17 273.20 23.24 129.17 17 47 22 5223.8 21.11 266.98
 57.78 9 6 52 1849.85 16.15 35.94 23.23 129.18 9 37 42 1249.9 21.10 29.72
 122.24 16 10 18 5823.83 16.17 273.20 23.24 129.17 17 47 22 5223.8 21.11 266.98
 57.78 9 6 52 1849.85 16.15 35.94 23.23 129.18 9 37 42 1249.9 21.10 29.72
 122.24 16 10 18 5823.83 16.17 273.20 23.24 129.17 17 47 22 5223.8 21.11 266.98

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.8582 TRA-2.6358 TC3 -.0752 BAU .1455 SGT 3661.0 SGR 2298.8 SG3 263.5 ST 2796.3 SR 2023.3 SS 2144.8
 RDE 2.8555 RRA-1.1801 RC3 .1434 FAU .00157 RRT .9641 RRF -.9943 RTF -.9832 CRT .9948 CRS .9998 CST .9967
 FDE-3.6889 FRA 1.7384 FC3 -.0202 BSP 13755 SGB 4322.9 R23 -.1008 R13 -.9936 LSA 4059.3 MSA 187.2 SSA 3.5
 BDE 4.8000 BRA 2.8920 BC3 .1619 FSP -.810 SGI 4291.4 SG2 520.9 TMA 31.71 EL1 3447.5 EL2 167.7 ALF 35.84

LAUNCH DATE APR 15 1967

FLIGHT TIME 162.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 413.546

RL 150.08 LAL -.00 LOL 204.35 VL 27.324 GAL 7.03 AZL 109.06 MCA 170.91 SMA 129.86 ECC .19718 INC19.0645 V1 29.689
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.734 GAP -6.35 AZP 71.16 TAL 148.65 TAP 319.56 RCA 104.25 APO 155.46 V2 34.920
 RC 54.330 GL -60.75 GP 69.87 ZAL 73.65 ZAP 70.41 ETS 280.48 ZAE 97.42 ETE 51.88 ZAC 74.13 ETC 354.81 CLP -12.96

PLANETOCENTRIC CONIC

C3 103.066 VML 10.152 DLA -44.58 RAL 126.24 RAD 6570.0 VEL 14.980 PTM 2.70 VMP 11.797 DPA 60.00 RAP 234.67 ECC 2.6962
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.01 8 28 24 1986.98 12.57 44.93 23.15 133.13 9 1 31 1387.0 17.96 39.22
 125.99 16 2 6 5879.75 12.58 274.95 23.17 133.13 17 40 6 5279.7 17.97 269.24
 54.01 8 28 24 1986.98 12.57 44.93 23.15 133.13 9 1 31 1387.0 17.96 39.22
 125.99 16 2 6 5879.75 12.58 274.95 23.17 133.13 17 40 6 5279.7 17.97 269.24
 54.01 8 28 24 1986.98 12.57 44.93 23.15 133.13 9 1 31 1387.0 17.96 39.22
 125.99 16 2 6 5879.75 12.58 274.95 23.17 133.13 17 40 6 5279.7 17.97 269.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 5.9747 TRA-3.0116 TC3 -.1388 BAU .1992 SGT 4140.5 SGR 1914.9 SG3 195.8 ST 3447.1 SR 1836.4 SS 2074.1
 RDE 3.2401 RRA -.7098 RC3 .0404 FAU-.00771 RRT .9440 RRF -.9791 RTF -.9903 CRT .9931 CRS .9981 CST .9985
 FDE-3.5630 FRA 1.3100 FC3 .0648 BSP 14521 SGB 4561.8 R23 -.0778 R13 -.9963 LSA 4417.9 MSA 197.5 SSA 2.3
 BDE 6.7967 BRA 3.0941 BC3 .1446 FSP -.602 SGI 4525.1 SG2 577.9 TMA 24.00 EL1 3901.1 EL2 189.8 ALF 27.95

LAUNCH DATE APR 15 1967

FLIGHT TIME 164.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 419.885

RL 150.08 LAL -.00 LOL 204.35 VL 27.361 GAL 6.94 AZL 117.92 MCA 173.88 SMA 130.11 ECC .19446 INC27.9227 V1 29.689
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.772 GAP -5.87 AZP 62.21 TAL 148.50 TAP 322.38 RCA 104.81 APO 155.42 V2 34.932
 RC 56.016 GL -63.48 GP 76.92 ZAL 78.56 ZAP 77.54 ETS 238.55 ZAE 86.23 ETE 9.54 ZAC 67.46 ETC 308.87 CLP 17.50

PLANETOCENTRIC CONIC

C3 202.064 VML 14.215 DLA -45.11 RAL 119.33 RAD 6571.1 VEL 17.983 PTM 3.01 VMP 16.887 DPA 57.26 RAP 256.54 ECC 4.3255
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 53.30 7 58 8 2117.46 6.83 51.29 22.47 134.70 8 33 25 1517.5 12.41 45.90
 126.70 15 37 13 708.11 6.84 302.11 22.48 134.70 15 49 1 108.1 12.42 296.71
 53.30 7 58 8 2117.46 6.83 51.29 22.47 134.70 8 33 25 1517.5 12.41 45.90
 126.70 15 37 13 708.11 6.84 302.11 22.48 134.70 15 49 1 108.1 12.42 296.71
 53.30 7 58 8 2117.46 6.83 51.29 22.47 134.70 8 33 25 1517.5 12.41 45.90
 126.70 15 37 13 708.11 6.84 302.11 22.48 134.70 15 49 1 108.1 12.42 296.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE10.4292 TRA-2.9933 TC3 -.2276 BAU .6738 SGT 4583.8 SGR 1207.2 SG3 132.0 ST 4234.9 SR 528.8 SS 2050.9
 RDE-1.0272 RRA 1.9196 RC3 .1021 FAU-.02009 RRT -.6871 RRF .6915 RTF -.9998 CRT -.8525 CRS -.8530 CST 1.0000
 FDE-3.4612 FRA 1.0005 FC3 .0861 BSP 14860 SGB 4740.1 R23 .0284 R13 .9994 LSA 4727.0 MSA 275.1 SSA 1.3
 BDE10.4797 BRA 3.5559 BC3 .2494 FSP -.400 SGI 4661.0 SG2 862.6 TMA 169.38 EL1 4258.9 EL2 274.8 ALF 173.90

LAUNCH DATE APR 15 1967

FLIGHT TIME 166.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

RL 150.08 LAL -.00 LOL 204.35 VL 27.394 GAL 6.95 AZL 141.16 MCA 176.46 SMA 130.35 ECC .19296 INC51.1576 V1 29.689
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.808 GAP -5.52 AZP 38.90 TAL 148.10 TAP 324.56 RCA 105.20 APO 155.50 V2 34.945
 RC 57.772 GL -58.57 GP 69.10 ZAL 83.46 ZAP 83.56 ETS 188.56 ZAE 70.13 ETE 320.68 ZAC 55.13 ETC 251.47 CLP 71.69

PLANETOCENTRIC CONIC

C3 616.119 VHL 24.822 DLA -38.10 RAL 113.49 RAD 6572.6 VEL 27.155 PTH 3.40 VMP 30.458 DPA 44.67 RAP 276.22 ECC11.1398
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.36 8 18 25 2117.78 .89 46.08 22.34 128.10 8 53 43 1517.8 5.81 40.18
 116.64 14 30 20 949.18 .90 317.74 22.35 128.10 14 46 9 349.2 5.82 311.84
 63.36 8 18 25 2117.78 .89 46.08 22.34 128.10 8 53 43 1517.8 5.81 40.18
 116.64 14 30 20 949.18 .90 317.74 22.35 128.10 14 46 9 349.2 5.82 311.84
 63.36 8 18 25 2117.78 .89 46.08 22.34 128.10 8 53 43 1517.8 5.81 40.18
 116.64 14 30 20 949.18 .90 317.74 22.35 128.10 14 46 9 349.2 5.82 311.84

DIFFERENTIAL CORRECTIONS

TOE 9.8755 TRA -.2775 TC3 -.1491 BAU 2.7650
 RO-14.4910 RRA 5.2222 RC3 .3008 FAU-.05245
 FOE-3.8849 FRA 1.0987 FC3 .0737 BSP 14278
 BOE17.5361 BRA 5.2296 BC3 .3357 FSP -268

MID-COURSE EXECUTION ACCURACY

SGT 2398.1 SGR 3970.5 SG3 88.2
 RRT -.9300 RRF .9967 RTF -.9565
 SGB 4638.5 R23 -.0169 R13 .9998
 SGI 4574.9 SG2 765.1 TMA 120.26

ORBIT DETERMINATION ACCURACY

ST 2279.8 SR 3376.7 SS 2373.8
 CRT -.9921 CRS -.9996 CST .9953
 LSA 4709.3 MSA 238.5 SSA .9
 EL1 4067.3 EL2 237.6 ALF 123.95

LAUNCH DATE APR 15 1967

FLIGHT TIME 168.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

RL 150.08 LAL -.00 LOL 204.35 VL 27.424 GAL 6.19 AZL 20.17 MCA 182.81 SMA 130.56 ECC .18362 INC69.8234 V1 29.689
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.841 GAP -4.09 AZP 159.80 TAL 150.25 TAP 333.07 RCA 106.56 APO 154.53 V2 34.957
 RC 59.590 GL 51.40 GP -56.91 ZAL 85.68 ZAP 86.69 ETS 169.43 ZAE 72.75 ETE 42.70 ZAC 73.84 ETC 108.56 CLP 83.94

PLANETOCENTRIC CONIC

C31072.349 VHL 32.747 DLA 68.30 RAL 151.18 RAD 6573.0 VEL 34.549 PTH 3.51 VMP 42.829 DPA -79.67 RAP 316.92 ECC18.6482
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 24.84 20 43 13 5078.99 .59 246.08 61.43 21.71 22 7 52 4479.0 -6.85 243.53
 155.16 7 6 16 3337.01 .59 98.13 61.40 21.71 8 1 53 2737.0 -6.84 95.58
 24.84 20 43 13 5078.99 .59 246.08 61.43 21.71 22 7 52 4479.0 -6.85 243.53
 155.16 7 6 16 3337.01 .59 98.13 61.40 21.71 8 1 53 2737.0 -6.84 95.58
 24.84 20 43 13 5078.99 .59 246.08 61.43 21.71 22 7 52 4479.0 -6.85 243.53
 155.16 7 6 16 3337.01 .59 98.13 61.40 21.71 8 1 53 2737.0 -6.84 95.58

DIFFERENTIAL CORRECTIONS

TOE-6.8982 TRA-2.9314 TC3 -.1724 BAU 4.8183
 ROE-6.4158 RRA-6.6011 RC3 -.2885 FAU-.08522
 FOE 1.7003 FRA 1.5577 FC3 .0688 BSP 12115
 BOE 9.4206 BRA 7.2228 BC3 .3361 FSP -225

MID-COURSE EXECUTION ACCURACY

SGT 2157.5 SGR 3619.0 SG3 78.9
 RRT .9490 RRF -.9994 RTF -.9588
 SGB 4386.2 R23 -.0428 R13 -.9991
 SGI 4345.3 SG2 597.5 TMA 61.21

ORBIT DETERMINATION ACCURACY

ST 1277.1 SR 1463.3 SS 1372.5
 CRT .9346 CRS .9984 CST .9532
 LSA 2350.1 MSA 364.9 SSA .8
 EL1 1910.8 EL2 347.8 ALF 49.15

LAUNCH DATE APR 15 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

RL 150.08 LAL -.00 LOL 204.35 VL 27.450 GAL 6.34 AZL 58.81 MCA 184.87 SMA 130.74 ECC .18385 INC31.1940 V1 29.689
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.872 GAP -3.91 AZP 121.10 TAL 149.44 TAP 334.31 RCA 106.70 APO 154.78 V2 34.970
 RC 61.464 GL 64.18 GP -78.71 ZAL 80.68 ZAP 83.63 ETS 128.63 ZAE 93.02 ETE 7.55 ZAC 92.94 ETC 71.22 CLP 55.47

PLANETOCENTRIC CONIC

C3 246.430 VHL 19.698 DLA 71.06 RAL 194.52 RAD 6571.4 VEL 19.177 PTH 3.09 VMP 21.197 DPA -76.29 RAP 109.00 ECC 5.0556
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 21.64 23 29 12 4965.38 -7.29 245.54 102.02 19.11 24 51 57 4365.4 -14.84 243.25
 158.36 10 6 1 3205.78 -7.28 94.21 101.99 19.10 10 59 27 2605.8 -14.83 91.92
 21.64 23 29 12 4965.38 -7.29 245.54 102.02 19.11 24 51 57 4365.4 -14.84 243.25
 158.36 10 6 1 3205.78 -7.28 94.21 101.99 19.10 10 59 27 2605.8 -14.83 91.92
 21.64 23 29 12 4965.38 -7.29 245.54 102.02 19.11 24 51 57 4365.4 -14.84 243.25
 158.36 10 6 1 3205.78 -7.28 94.21 101.99 19.10 10 59 27 2605.8 -14.83 91.92

DIFFERENTIAL CORRECTIONS

TOE 2.8332 TRA-3.9104 TC3 -.2593 BAU .9697
 ROE 2.8696 RRA-1.7302 RC3 -.1393 FAU-.01924
 FOE -.9455 FRA 1.0662 FC3 .0676 BSP 15929
 BOE 4.0326 BRA 4.2761 BC3 .2943 FSP -348

MID-COURSE EXECUTION ACCURACY

SGT 4588.9 SGR 2252.1 SG3 109.3
 RRT .9667 RRF -.9777 RTF -.9988
 SGB 5111.8 R23 .0016 R13 -.9999
 SGI 5085.2 SG2 520.2 TMA 25.67

ORBIT DETERMINATION ACCURACY

ST 1676.1 SR 1199.0 SS 912.8
 CRT .9220 CRS .9560 CST .9950
 LSA 2220.8 MSA 385.1 SSA .9
 EL1 2024.7 EL2 384.2 ALF 34.85

LAUNCH DATE APR 15 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

RL 150.08 LAL -.00 LOL 204.35 VL 27.473 GAL 6.33 AZL 71.97 MCA 187.74 SMA 130.90 ECC .18267 INC18.0252 V1 29.689
 RP 108.53 LAP -2.39 LOP 31.71 VP 37.900 GAP -3.51 AZP 107.87 TAL 149.19 TAP 336.93 RCA 106.99 APO 154.81 V2 34.983
 RC 63.588 GL 61.93 GP -80.72 ZAL 74.60 ZAP 80.98 ETS 67.90 ZAE 103.58 ETE 310.14 ZAC 100.49 ETC 16.20 CLP -13.52

PLANETOCENTRIC CONIC

C3 91.696 VHL 9.578 DLA 65.06 RAL 197.49 RAD 6569.8 VEL 14.596 PTH 2.65 VMP 13.289 DPA -65.64 RAP 120.57 ECC 2.5091
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 28.61 0 0 20 4766.78 -17.88 236.41 98.87 26.29 1 19 47 4166.8 -25.01 232.92
 151.39 10 2 32 3049.51 -17.87 92.60 98.86 26.29 10 53 21 2449.5 -25.00 89.12
 28.61 0 0 20 4766.78 -17.88 236.41 98.87 26.29 1 19 47 4166.8 -25.01 232.92
 151.39 10 2 32 3049.51 -17.87 92.60 98.86 26.29 10 53 21 2449.5 -25.00 89.12
 28.61 0 0 20 4766.78 -17.88 236.41 98.87 26.29 1 19 47 4166.8 -25.01 232.92
 151.39 10 2 32 3049.51 -17.87 92.60 98.86 26.29 10 53 21 2449.5 -25.00 89.12

DIFFERENTIAL CORRECTIONS

TOE 2.9658 TRA-2.6901 TC3 -.1188 BAU .1467
 ROE -.8875 RRA 2.1691 RC3 -.0261 FAU-.00011
 FOE-1.1142 FRA 1.3182 FC3 .0010 BSP 16545
 BOE 3.0955 BRA 3.4557 BC3 .1196 FSP -552

MID-COURSE EXECUTION ACCURACY

SGT 4216.0 SGR 3124.4 SG3 171.6
 RRT -.9630 RRF .9852 RTF -.9944
 SGB 5247.5 R23 -.0070 R13 .9996
 SGI 5202.9 SG2 682.7 TMA 143.76

ORBIT DETERMINATION ACCURACY

ST 2112.0 SR 1065.3 SS 1000.6
 CRT -.8889 CRS -.9398 CST .9920
 LSA 2529.6 MSA 444.9 SSA 1.8
 EL1 2323.5 EL2 443.6 ALF 154.87

LAUNCH DATE APR 15 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC
 RL 150.08 LAL -1.00 LOL 204.35 VL 27.492 GAL 6.30 AZL 77.90 MCA 190.79 SMA 131.04 ECC .18140 INC12.0971 V1 29.689
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.926 GAP -3.06 AZP 101.89 TAL 149.06 TAP 339.86 RCA 107.27 APO 154.81 V2 34.996
 RC 65.357 GL 55.75 GP -75.43 ZAL 68.57 ZAP 79.45 ETS 44.78 ZAE 110.68 ETE 289.98 ZAC 104.72 ETC 358.95 CLP -43.30

PLANETOCENTRIC CONIC
 C3 47.999 VHL 6.928 DLA 58.61 RAL 192.10 RAD 6568.8 VEL 13.014 PTH 2.37 VHP 9.752 DPA -58.52 RAP 125.61 ECC 1.7899
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 36.28 23 53 37 4580.27 -25.49 224.21 85.20 35.24 25 9 57 3980.3 -31.92 219.20
 143.72 9 22 18 2928.24 -25.47 89.52 85.18 35.24 10 11 6 2328.2 -31.91 84.51
 36.28 23 53 37 4580.27 -25.49 224.21 85.20 35.24 25 9 57 3980.3 -31.92 219.20
 143.72 9 22 18 2928.24 -25.47 89.52 85.18 35.24 10 11 6 2328.2 -31.91 84.51
 36.28 23 53 37 4580.27 -25.49 224.21 85.20 35.24 25 9 57 3980.3 -31.92 219.20
 143.72 9 22 18 2928.24 -25.47 89.52 85.18 35.24 10 11 6 2328.2 -31.91 84.51

DIFFERENTIAL CORRECTIONS
 TOE 1.5608 TRA -1.5271 TC3 -.0227 BAU .1982
 RDE -1.1235 RRA 2.7504 RC3 -.3080 FAU .01258
 FDE -1.0301 FRA 1.8054 FC3 -.2270 BSP 16603
 BOE 1.9231 BRA 3.1459 BC3 .3088 FSP -835

MID-COURSE EXECUTION ACCURACY
 SGT 2746.9 SGR 4484.8 SG3 259.8
 RRT -.9557 RRF .9968 RTF -.9734
 SGB 5259.2 R23 -.0095 R13 .9993
 SGI 5212.9 SGT 695.9 TMA 120.95

ORBIT DETERMINATION ACCURACY
 ST 1481.6 SR 1606.1 SS 1019.9
 CRT -.9044 CRS -.9866 CST .9619
 LSA 2363.7 MSA 477.4 SBA 2.7
 EL1 2132.6 EL2 476.1 ALF 132.45

LAUNCH DATE APR 15 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC
 RL 150.08 LAL -1.00 LOL 204.35 VL 27.509 GAL 6.27 AZL 81.22 MCA 193.92 SMA 131.16 ECC .18029 INC 8.7802 V1 29.689
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.951 GAP -2.59 AZP 98.53 TAL 148.96 TAP 342.88 RCA 107.51 APO 154.81 V2 35.009
 RC 67.365 GL 48.72 GP -70.28 ZAL 63.03 ZAP 79.09 ETS 33.18 ZAE 116.12 ETE 280.49 ZAC 107.82 ETC 353.06 CLP -55.87

PLANETOCENTRIC CONIC
 C3 30.854 VHL 5.555 DLA 52.06 RAL 186.54 RAD 6568.2 VEL 12.338 PTH 2.22 VHP 7.816 DPA -52.91 RAP 128.42 ECC 1.5078
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 44.29 23 53 55 4421.67 -28.95 210.61 71.01 44.63 25 7 36 3821.7 -34.47 204.22
 135.71 8 37 38 2864.09 -28.93 86.80 71.00 44.62 9 25 22 2264.1 -34.46 80.41
 44.29 23 53 55 4421.67 -28.95 210.61 71.01 44.63 25 7 36 3821.7 -34.47 204.22
 135.71 8 37 38 2864.09 -28.93 86.80 71.00 44.62 9 25 22 2264.1 -34.46 80.41
 44.29 23 53 55 4421.67 -28.95 210.61 71.01 44.63 25 7 36 3821.7 -34.47 204.22
 135.71 8 37 38 2864.09 -28.93 86.80 71.00 44.62 9 25 22 2264.1 -34.46 80.41

DIFFERENTIAL CORRECTIONS
 TOE .9321 TRA -.9672 TC3 -.0298 BAU .2889
 RDE -.8928 RRA 2.8085 RC3 -.6948 FAU .02437
 FDE -.9973 FRA 2.4114 FC3 -.6837 BSP 16506
 BOE 1.2906 BRA 2.9704 BC3 .6954 FSP -1181

MID-COURSE EXECUTION ACCURACY
 SGT 1886.5 SGR 4863.0 SG3 366.6
 RRT -.9272 RRF .9983 RTF -.9406
 SGB 5216.1 R23 -.0069 R13 .9990
 SGI 5173.7 SGT 664.0 TMA 110.13

ORBIT DETERMINATION ACCURACY
 ST 1077.7 SR 1687.2 SS 1074.5
 CRT -.8653 CRS -.9921 CST .9213
 LSA 2223.4 MSA 488.5 SBA 3.7
 EL1 1946.5 EL2 488.2 ALF 120.91

LAUNCH DATE APR 15 1967

FLIGHT TIME 178.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC
 RL 150.08 LAL -1.00 LOL 204.35 VL 27.523 GAL 6.26 AZL 83.34 MCA 197.07 SMA 131.26 ECC .17941 INC 6.6632 V1 29.689
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.973 GAP -2.13 AZP 96.37 TAL 148.86 TAP 345.93 RCA 107.71 APO 154.81 V2 35.023
 RC 69.409 GL 41.79 GP -65.82 ZAL 58.18 ZAP 79.79 ETS 24.86 ZAE 120.51 ETE 274.44 ZAC 110.49 ETC 350.14 CLP -64.36

PLANETOCENTRIC CONIC
 C3 22.692 VHL 4.764 DLA 45.72 RAL 181.97 RAD 6567.9 VEL 12.003 PTH 2.14 VHP 6.614 DPA -48.13 RAP 129.95 ECC 1.3735
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.47 0 6 58 4279.20 -29.25 196.79 58.88 53.14 1 18 17 3679.2 -33.83 189.50
 127.53 7 52 2 2854.37 -29.24 86.14 58.87 53.14 8 39 37 2254.4 -33.82 78.86
 52.47 0 6 58 4279.20 -29.25 196.79 58.88 53.14 1 18 17 3679.2 -33.83 189.50
 127.53 7 52 2 2854.37 -29.24 86.14 58.87 53.14 8 39 37 2254.4 -33.82 78.86
 52.47 0 6 58 4279.20 -29.25 196.79 58.88 53.14 1 18 17 3679.2 -33.83 189.50
 127.53 7 52 2 2854.37 -29.24 86.14 58.87 53.14 8 39 37 2254.4 -33.82 78.86

DIFFERENTIAL CORRECTIONS
 TOE .6154 TRA -.5775 TC3 -.1248 BAU .3313
 RDE -.7420 RRA 2.7874 RC3 -1.0848 FAU .03588
 FDE -1.0506 FRA 3.0851 FC3 -1.3687 BSP 16259
 BOE .9639 BRA 2.8466 BC3 1.0919 FSP -1562

MID-COURSE EXECUTION ACCURACY
 SGT 1245.8 SGR 4992.7 SG3 485.3
 RRT -.8547 RRF .9985 RTF -.8673
 SGB 5145.8 R23 .0000 R13 .9989
 SGI 5106.8 SGT 632.3 TMA 102.23

ORBIT DETERMINATION ACCURACY
 ST 798.1 SR 1695.0 SS 1162.9
 CRT -.8061 CRS -.9933 CST .8689
 LSA 2160.7 MSA 439.9 SBA 4.7
 EL1 1821.2 EL2 439.5 ALF 112.14

LAUNCH DATE APR 15 1967

FLIGHT TIME 180.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC
 RL 150.08 LAL -1.00 LOL 204.35 VL 27.534 GAL 6.25 AZL 84.81 MCA 200.24 SMA 131.34 ECC .17877 INC 5.1904 V1 29.689
 RP 108.16 LAP -1.79 LOP 44.51 VP 37.994 GAP -1.68 AZP 94.87 TAL 148.75 TAP 348.99 RCA 107.86 APO 154.82 V2 35.036
 RC 71.485 GL 35.35 GP -61.90 ZAL 54.11 ZAP 81.43 ETS 17.91 ZAE 124.12 ETE 268.58 ZAC 113.04 ETC 348.25 CLP -71.55

PLANETOCENTRIC CONIC
 C3 18.317 VHL 4.280 DLA 39.80 RAL 178.36 RAD 6567.7 VEL 11.819 PTH 2.09 VHP 5.808 DPA -43.86 RAP 130.61 ECC 1.3014
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 60.77 0 26 52 4135.11 -27.68 182.88 49.36 60.17 1 35 47 3535.1 -31.42 175.16
 119.23 7 3 21 2896.18 -27.67 88.66 49.35 60.16 7 51 37 2296.2 -31.41 80.94
 60.77 0 26 52 4135.11 -27.68 182.88 49.36 60.17 1 35 47 3535.1 -31.42 175.16
 119.23 7 3 21 2896.18 -27.67 88.66 49.35 60.16 7 51 37 2296.2 -31.41 80.94
 60.77 0 26 52 4135.11 -27.68 182.88 49.36 60.17 1 35 47 3535.1 -31.42 175.16
 119.23 7 3 21 2896.18 -27.67 88.66 49.35 60.16 7 51 37 2296.2 -31.41 80.94

DIFFERENTIAL CORRECTIONS
 TOE .4215 TRA -.2383 TC3 -.2988 BAU .3580
 RDE -.6728 RRA 2.7374 RC3 -1.4228 FAU .04704
 FDE -1.1878 FRA 3.7872 FC3 -2.2234 BSP 15973
 BOE .7940 BRA 2.7478 BC3 1.4539 FSP -1963

MID-COURSE EXECUTION ACCURACY
 SGT 745.9 SGR 5005.0 SG3 609.1
 RRT -.5833 RRF .9985 RTF -.5992
 SGB 5060.3 R23 .0101 R13 .9986
 SGI 5024.2 SGT 603.5 TMA 95.04

ORBIT DETERMINATION ACCURACY
 ST 577.9 SR 1691.4 SS 1274.7
 CRT -.7021 CRS -.9934 CST .7790
 LSA 2157.9 MSA 403.7 SBA 5.7
 EL1 1742.1 EL2 399.5 ALF 104.26

LAUNCH DATE APR 15 1967

FLIGHT TIME 182.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 479.381

RL 150.08 LAL - .00 LOL 204.35 VL 27.543 GAL 6.25 AZL 85.90 MCA 203.42 SMA 131.40 ECC .17838 INC 4.1021 V1 29.689
 RP 108.12 LAP -1.63 LOP 47.72 VP 38.012 GAP -1.20 AZP 93.77 TAL 148.62 TAP 352.05 RCA 107.97 APO 154.84 V2 35.049
 RC 73.590 GL 29.53 GP -58.35 ZAL 50.79 ZAP 83.86 ETS 11.79 ZAE 127.09 ETE 262.66 ZAC 115.58 ETC 346.81 CLP -78.23

PLANETOCENTRIC CONIC

C3 15.795 VML 3.974 DLA 34.41 RAL 175.51 RAD 6567.6 VEL 11.712 PTH 2.06 VMP 5.242 DPA -39.91 RAP 130.68 ECC 1.2599
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.57 1 1 43 3964.98 -25.19 167.68 42.18 65.73 2 7 48 3365.0 -28.24 159.81
 110.43 6 5 48 2998.05 -25.17 95.48 42.18 65.72 6 55 46 2398.1 -28.23 87.62
 69.57 1 1 43 3964.98 -25.19 167.68 42.18 65.73 2 7 48 3365.0 -28.24 159.81
 110.43 6 5 48 2998.05 -25.17 95.48 42.18 65.72 6 55 46 2398.1 -28.23 87.62
 69.57 1 1 43 3964.98 -25.19 167.68 42.18 65.73 2 7 48 3365.0 -28.24 159.81
 110.43 6 5 48 2998.05 -25.17 95.48 42.18 65.72 6 55 46 2398.1 -28.23 87.62

DIFFERENTIAL CORRECTIONS

TOE .2751 TRA .0846 TC3 -.5401 BAU .3728
 RDE -.6500 RRA 2.6655 RC3-1.6808 FAU .05766
 FDE-1.3954 FRA 4.4828 FC3-3.1604 BSP 15685
 BDE .7058 BRA 2.6668 BC3 1.7654 FSP -2369

MID-COURSE EXECUTION ACCURACY

SGT 602.9 SGR 4935.5 SG3 731.7
 RRT .2992 RRF .9984 RTF .2816
 SGB 4972.2 R23 .0221 R13 .9983
 SG1 4938.9 SG2 574.9 THA 87.88

ORBIT DETERMINATION ACCURACY

ST 399.3 SR 1683.0 SS 1401.5
 CRT -.4601 CRS -.9931 CST .5606
 LSA 2195.9 MSA 366.2 SSA 6.7
 EL1 1693.4 EL2 352.4 ALF 96.51

LAUNCH DATE APR 15 1967

FLIGHT TIME 184.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 485.772

RL 150.08 LAL - .00 LOL 204.35 VL 27.550 GAL 6.27 AZL 86.74 MCA 206.62 SMA 131.45 ECC .17824 INC 3.2610 V1 29.689
 RP 108.08 LAP -1.46 LOP 50.93 VP 38.029 GAP -.74 AZP 92.92 TAL 148.48 TAP 355.09 RCA 108.82 APO 154.88 V2 35.062
 RC 75.721 GL 24.34 GP -55.04 ZAL 48.14 ZAP 86.94 ETS 6.28 ZAE 129.49 ETE 256.49 ZAC 118.17 ETC 345.67 CLP -84.65

PLANETOCENTRIC CONIC

C3 14.285 VML 3.780 DLA 29.58 RAL 173.25 RAD 6567.6 VEL 11.648 PTH 2.04 VMP 4.834 DPA -36.18 RAP 130.34 ECC 1.2351
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.09 2 11 53 3694.34 -22.35 145.90 36.86 70.11 3 13 27 3094.3 -24.85 138.02
 98.91 4 37 38 3223.73 -22.33 111.32 36.86 70.09 5 31 21 2623.7 -24.84 103.45
 100.00 5 22 41 3079.61 -25.10 101.63 37.86 73.21 6 14 0 2479.6 -27.16 93.44
 100.00 4 9 31 3313.69 -19.63 116.86 35.72 67.00 5 4 44 2713.7 -22.58 109.30
 110.00 8 7 16 2563.79 -33.46 64.58 39.92 82.55 8 50 0 1963.8 -34.13 55.41
 110.00 3 41 25 3402.27 -12.05 119.42 31.60 57.77 4 38 7 2802.3 -16.22 112.79

DIFFERENTIAL CORRECTIONS

TOE .1446 TRA .4012 TC3 -.8305 BAU .3864
 RDE -.6480 RRA 2.5727 RC3-1.8452 FAU .06732
 FDE-1.6546 FRA 3.1395 FC3-4.0800 BSP 15415
 BDE .6639 BRA 2.6038 BC3 2.0235 FSP -2758

MID-COURSE EXECUTION ACCURACY

SGT 965.0 SGR 4798.0 SG3 846.8
 RRT .8199 RRF .9982 RTF .8089
 SGB 4894.0 R23 .0352 R13 .9977
 SG1 4863.6 SG2 545.0 THA 80.92

ORBIT DETERMINATION ACCURACY

ST 304.0 SR 1666.3 SS 1535.9
 CRT .1335 CRS -.9928 CST -.0139
 LSA 2262.2 MSA 332.0 SSA 7.5
 EL1 1666.8 EL2 301.2 ALF 88.56

LAUNCH DATE APR 15 1967

FLIGHT TIME 186.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 492.147

RL 150.08 LAL - .00 LOL 204.35 VL 27.554 GAL 6.30 AZL 87.41 MCA 209.81 SMA 131.48 ECC .17836 INC 2.5881 V1 29.689
 RP 108.04 LAP -1.29 LOP 54.14 VP 38.044 GAP -.28 AZP 92.25 TAL 148.31 TAP 358.12 RCA 108.03 APO 154.94 V2 35.075
 RC 77.874 GL 19.76 GP -51.89 ZAL 46.06 ZAP 90.54 ETS 1.33 ZAE 131.33 ETE 250.06 ZAC 120.79 ETC 344.79 CLP -90.88

PLANETOCENTRIC CONIC

C3 13.379 VML 3.658 DLA 25.27 RAL 171.45 RAD 6567.5 VEL 11.609 PTH 2.03 VMP 4.540 DPA -32.58 RAP 129.74 ECC 1.2202
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 12 36 3064.77 -27.55 101.12 34.76 83.19 6 3 41 2464.8 -28.21 92.52
 90.00 1 22 30 3824.58 -11.77 150.72 29.85 64.06 2 26 15 3224.6 -15.17 143.69
 100.00 6 57 45 2725.78 -29.60 76.41 34.99 85.66 7 43 11 2125.8 -29.89 67.61
 100.00 2 20 3 3638.80 -9.94 136.12 28.90 61.66 3 20 42 3038.8 -13.65 129.29
 110.00 8 50 33 2372.87 -34.16 49.75 35.13 91.29 9 30 5 1772.9 -33.61 40.55
 110.00 2 43 44 3564.47 -6.03 128.12 26.52 56.29 3 43 9 2964.5 -10.42 121.77

DIFFERENTIAL CORRECTIONS

TOE .0159 TRA .7126 TC3-1.1481 BAU .3998
 RDE -.6518 RRA 2.4605 RC3-1.9179 FAU .07565
 FDE-1.9450 FRA 5.7268 FC3-4.8950 BSP 15206
 BDE .6520 BRA 2.5616 BC3 2.2353 FSP -3113

MID-COURSE EXECUTION ACCURACY

SGT 1493.2 SGR 4601.7 SG3 948.5
 RRT .9334 RRF .9980 RTF .9258
 SGB 4837.9 R23 .0484 R13 .9969
 SG1 4810.6 SG2 512.5 THA 72.95

ORBIT DETERMINATION ACCURACY

ST 372.0 SR 1636.8 SS 1671.0
 CRT .7375 CRS -.9924 CST -.6491
 LSA 2349.1 MSA 302.6 SSA 8.3
 EL1 1660.2 EL2 247.7 ALF 80.27

LAUNCH DATE APR 15 1967

FLIGHT TIME 188.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 498.506

RL 150.08 LAL - .00 LOL 204.35 VL 27.557 GAL 6.35 AZL 87.97 MCA 213.01 SMA 131.50 ECC .17873 INC 2.0343 V1 29.689
 RP 108.00 LAP -1.11 LOP 57.35 VP 38.058 GAP .17 AZP 91.75 TAL 148.12 TAP 1.13 RCA 108.00 APO 155.01 V2 35.088
 RC 80.046 GL 15.73 GP -48.83 ZAL 44.44 ZAP 94.53 ETS 356.93 ZAE 132.64 ETE 243.47 ZAC 123.42 ETC 344.23 CLP -96.90

PLANETOCENTRIC CONIC

C3 12.860 VML 3.586 DLA 21.44 RAL 170.00 RAD 6567.5 VEL 11.587 PTH 2.03 VMP 4.331 DPA -29.10 RAP 128.98 ECC 1.2117
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 4 7 2854.68 -28.31 85.82 31.90 90.81 6 51 42 2254.7 -27.89 77.18
 90.00 0 19 26 4017.59 -5.82 161.77 25.90 62.24 1 26 23 3417.6 -9.49 155.02
 100.00 7 40 13 2544.82 -29.78 62.97 31.44 92.72 8 22 38 1944.8 -29.09 54.24
 100.00 1 26 1 3802.68 -4.52 145.27 25.19 60.42 2 29 24 3202.7 -8.43 138.66
 110.00 9 19 27 2234.39 -33.43 39.01 31.06 97.60 9 56 41 1634.4 -32.02 30.06
 110.00 2 3 17 3685.88 -1.41 134.48 23.25 55.84 3 4 43 3085.9 -5.88 128.25

DIFFERENTIAL CORRECTIONS

TOE -.1166 TRA 1.0172 TC3-1.4701 BAU .4140
 RDE -.6517 RRA 2.3321 RC3-1.9070 FAU .08218
 FDE-2.2427 FRA 6.2200 FC3-5.5321 BSP 15068
 BDE .6621 BRA 2.5443 BC3 2.4079 FSP -3411

MID-COURSE EXECUTION ACCURACY

SGT 2048.2 SGR 4356.6 SG3 1031.6
 RRT .9667 RRF .9977 RTF .9606
 SGB 4814.1 R23 .0604 R13 .9959
 SG1 4790.4 SG2 476.9 THA 65.30

ORBIT DETERMINATION ACCURACY

ST 556.9 SR 1590.0 SS 1799.1
 CRT .9311 CRS -.9919 CST -.8775
 LSA 2448.9 MSA 278.8 SSA 9.0
 EL1 1673.6 EL2 193.0 ALF 71.69

LAUNCH DATE APR 15 1967

FLIGHT TIME 190.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC
 RL 150.08 LAL -.00 LOL 204.35 VL 27.557 GAL 6.41 AZL 88.43 MCA 216.22 SMA 131.51 ECC .17935 INC 1.5680 V1 29.689
 RP 107.96 LAP -.93 LOP 60.56 VP 38.070 GAP .63 AZP 91.27 TAL 147.90 TAP 4.12 RCA 107.92 APO 155.09 V2 35.101
 RC 82.236 GL 12.18 GP -45.84 ZAL 43.16 ZAP 98.79 ETS 353.04 ZAE 133.43 ETE 236.91 ZAC 126.00 ETC 344.02 CLP-102.67

PLANETOCENTRIC CONIC
 C3 12.609 VML 3.551 DLA 18.05 RAL 168.84 RAD 6567.5 VEL 11.576 PTH 2.02 VMP 4.192 DPA -25.72 RAP 128.17 ECC 1.2075
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 37 43 2708.92 -27.71 75.21 28.70 96.09 7 22 52 2108.9 -26.57 66.72
 90.00 23 32 36 4154.89 -1.42 169.47 23.42 61.72 24 41 53 3554.9 -5.19 162.81
 100.00 8 9 45 2412.14 -28.95 53.20 28.52 97.79 8 49 57 1812.1 -27.57 44.67
 100.00 0 47 13 3926.91 -.32 152.10 22.81 60.11 1 52 40 3326.9 -4.30 145.57
 110.00 9 41 22 2125.49 -32.14 30.78 27.87 102.31 10 16 48 1525.5 -30.12 22.15
 110.00 1 32 5 3786.32 2.43 139.72 21.09 55.89 2 35 12 3186.3 -2.06 133.51

DIFFERENTIAL CORRECTIONS
 TDE -.2546 TRA 1.3126 TC3-1.7764 BAU .4294
 RDE -.6429 RRA 2.1930 RC3-1.8261 FAU .08652
 FDE-2.5254 FRA 6.6038 FC3-5.9407 BSP 15015
 BDE .6914 BRA 2.5558 BC3 2.5476 FSP -3633

MID-COURSE EXECUTION ACCURACY
 SGT 2592.7 SGR 4075.4 SG3 1092.9
 RRT .9797 RRF .9972 RTF .9745
 SGB 4830.2 R23 .0699 R13 .9949
 SGI 4810.1 SG2 439.8 THA 57.76

ORBIT DETERMINATION ACCURACY
 ST 785.3 SR 1524.5 SS 1913.7
 CRT .9803 CR5 -.9913 CST -.9459
 LSA 2556.5 MSA 259.8 SSA 9.6
 EL1 1709.3 EL2 138.2 ALF 63.02

LAUNCH DATE APR 15 1967

FLIGHT TIME 192.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC
 RL 150.08 LAL -.00 LOL 204.35 VL 27.556 GAL 6.49 AZL 88.83 MCA 219.43 SMA 131.50 ECC .18022 INC 1.1677 V1 29.689
 RP 107.92 LAP -.74 LOP 63.78 VP 38.081 GAP 1.08 AZP 90.90 TAL 147.66 TAP 7.09 RCA 107.80 APO 155.20 V2 35.113
 RC 84.440 GL 9.06 GP -42.92 ZAL 42.15 ZAP 103.20 ETS 349.67 ZAE 133.72 ETE 230.55 ZAC 128.45 ETC 344.21 CLP-108.17

PLANETOCENTRIC CONIC
 C3 12.593 VML 3.543 DLA 15.03 RAL 167.91 RAD 6567.5 VEL 11.573 PTH 2.02 VMP 4.109 DPA -22.46 RAP 127.39 ECC 1.2066
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 3 15 2595.82 -26.63 67.11 26.52 100.01 7 46 29 1995.8 -24.97 58.83
 90.00 22 59 45 4266.09 2.17 175.67 21.84 61.76 24 10 51 3666.1 -1.62 169.04
 100.00 8 32 43 2307.20 -27.75 45.64 26.28 101.60 9 11 10 1707.2 -25.86 37.34
 100.00 0 16 52 4029.93 3.17 157.75 21.29 60.26 1 24 2 3429.9 -.81 151.23
 110.00 9 59 9 2036.77 -30.67 24.28 25.46 105.89 10 33 5 1436.8 -28.19 15.96
 110.00 1 6 56 3873.13 5.73 144.27 19.70 56.24 2 11 29 3273.1 1.25 138.04

DIFFERENTIAL CORRECTIONS
 TDE -.3984 TRA 1.5947 TC3-2.0548 BAU .4483
 RDE -.6871 RRA 2.0444 RC3-1.7072 FAU .08918
 FDE-2.7871 FRA 6.8564 FC3-6.1503 BSP 15166
 BDE .7430 BRA 2.5928 BC3 2.6714 FSP -3796

MID-COURSE EXECUTION ACCURACY
 SGT 3109.0 SGR 3769.7 SG3 1130.2
 RRT .9860 RRF .9966 RTF .9813
 SGB 4886.3 R23 .0758 R13 .9938
 SGI 4869.8 SG2 401.1 THA 50.56

ORBIT DETERMINATION ACCURACY
 ST 1029.0 SR 1443.8 SS 2014.2
 CRT .9947 CR5 -.9903 CST -.9710
 LSA 2672.0 MSA 245.7 SSA 10.2
 EL1 1770.9 EL2 86.4 ALF 54.57

LAUNCH DATE APR 15 1967

FLIGHT TIME 194.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC
 RL 150.08 LAL -.00 LOL 204.35 VL 27.553 GAL 6.58 AZL 89.18 MCA 222.65 SMA 131.48 ECC .18135 INC .8182 V1 29.689
 RP 107.89 LAP -.55 LOP 66.99 VP 38.090 GAP 1.54 AZP 90.60 TAL 147.39 TAP 10.04 RCA 107.63 APO 155.32 V2 35.125
 RC 86.655 GL 6.31 GP -40.10 ZAL 41.34 ZAP 107.64 ETS 346.77 ZAE 133.58 ETE 224.58 ZAC 130.71 ETC 344.81 CLP-113.34

PLANETOCENTRIC CONIC
 C3 12.649 VML 3.556 DLA 12.34 RAL 167.19 RAD 6567.5 VEL 11.577 PTH 2.02 VMP 4.073 DPA -19.34 RAP 126.69 ECC 1.2082
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 23 58 2504.05 -25.38 60.68 24.91 103.00 8 5 42 1904.0 -23.34 52.60
 90.00 22 33 11 4361.11 5.22 180.99 20.90 62.13 23 45 52 3761.1 1.45 174.34
 100.00 8 51 39 2221.30 -26.42 39.60 24.62 104.51 9 28 40 1621.3 -24.17 31.52
 100.00 23 48 12 4119.08 6.16 162.68 20.39 60.69 24 56 51 3519.1 2.21 156.12
 110.00 10 14 10 1963.08 -29.18 19.06 23.70 108.65 10 46 53 1363.1 -26.36 11.02
 110.00 0 46 6 3950.07 8.62 148.35 18.88 56.79 1 51 56 3350.1 4.19 142.06

DIFFERENTIAL CORRECTIONS
 TDE -.5465 TRA 1.8640 TC3-2.2925 BAU .4686
 RDE -.6019 RRA 1.8950 RC3-1.5565 FAU .08968
 FDE-3.0068 FRA 6.9895 FC3-6.1378 BSP 15433
 BDE .8130 BRA 2.6582 BC3 2.7710 FSP -3876

MID-COURSE EXECUTION ACCURACY
 SGT 3589.5 SGR 3454.4 SG3 1144.2
 RRT .9893 RRF .9958 RTF .9849
 SGB 4981.7 R23 .0770 R13 .9928
 SGI 4968.3 SG2 364.9 THA 43.89

ORBIT DETERMINATION ACCURACY
 ST 1275.9 SR 1349.3 SS 2095.2
 CRT .9991 CR5 -.9890 CST -.9822
 LSA 2789.7 MSA 235.7 SSA 10.7
 EL1 1856.6 EL2 39.2 ALF 46.60

LAUNCH DATE APR 15 1967

FLIGHT TIME 196.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC
 RL 150.08 LAL -.00 LOL 204.35 VL 27.549 GAL 6.69 AZL 89.49 MCA 225.86 SMA 131.45 ECC .18273 INC .5087 V1 29.689
 RP 107.85 LAP -.37 LOP 70.21 VP 38.098 GAP 1.99 AZP 90.35 TAL 147.09 TAP 12.95 RCA 107.43 APO 155.46 V2 35.137
 RC 88.880 GL 3.89 GP -37.38 ZAL 40.67 ZAP 112.05 ETS 344.30 ZAE 133.07 ETE 219.12 ZAC 132.71 ETC 345.81 CLP-118.19

PLANETOCENTRIC CONIC
 C3 12.871 VML 3.588 DLA 9.94 RAL 166.63 RAD 6567.5 VEL 11.587 PTH 2.03 VMP 4.080 DPA -16.39 RAP 126.13 ECC 1.2118
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 41 36 2427.83 -24.11 55.46 23.79 105.32 8 22 4 1827.8 -21.77 47.57
 90.00 22 11 6 4444.78 7.86 185.72 20.45 62.71 23 25 10 3844.8 4.14 179.02
 100.00 9 7 51 2149.65 -25.11 34.68 23.47 106.78 9 43 41 1549.6 -22.57 26.80
 100.00 23 27 32 4198.19 8.77 167.10 19.95 61.31 24 37 30 3598.2 4.88 160.48
 110.00 10 27 15 1901.18 -27.76 14.81 22.46 110.80 10 58 56 1301.2 -24.67 6.99
 110.00 0 28 33 4019.43 11.18 152.09 18.51 57.49 1 35 32 3419.4 6.82 145.72

DIFFERENTIAL CORRECTIONS
 TDE -.6983 TRA 2.1197 TC3-2.4871 BAU .4906
 RDE -.5696 RRA 1.7490 RC3-1.3944 FAU .08848
 FDE-3.1812 FRA 7.0110 FC3-5.9514 BSP 15849
 BDE .9012 BRA 2.7482 BC3 2.8513 FSP -3890

MID-COURSE EXECUTION ACCURACY
 SGT 4030.0 SGR 3141.8 SG3 1137.3
 RRT .9909 RRF .9946 RTF .9870
 SGB 5110.0 R23 .0729 R13 .9920
 SGI 5099.1 SG2 333.4 THA 37.88

ORBIT DETERMINATION ACCURACY
 ST 1519.8 SR 1245.9 SS 2157.3
 CRT .9999 CR5 -.9871 CST -.9879
 LSA 2909.2 MSA 228.7 SSA 11.1
 EL1 1965.2 EL2 12.1 ALF 39.34

LAUNCH DATE APR 15 1967

FLIGHT TIME 198.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 530.004

RL 150.08 LAL -.00 LOL 204.35 VL 27.543 GAL 6.81 AZL 89.77 MCA 229.08 SMA 131.40 ECC .18436 INC .2310 V1 29.689
 RP 107.82 LAP -.17 LOP 73.43 VP 38.104 GAP 2.45 AZP 90.15 TAL 146.76 TAP 15.85 RCA 107.18 APO 155.63 V2 35.149
 RC 91.113 GL 1.74 GP -34.79 ZAL 40.09 ZAP 116.34 ETS 342.21 ZAE 132.29 ETE 214.25 ZAC 134.42 ETC 347.15 CLP-122.70

PLANETOCENTRIC CONIC

C3 13.202 VML 3.633 DLA 7.79 RAL 166.21 RAD 6567.5 VEL 11.601 PTH 2.03 VMP 4.122 DPA -13.63 RAP 125.73 ECC 1.2173
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 57 0 2363.67 -22.89 51.15 23.08 107.15 8 36 24 1763.7 -20.32 43.42
 90.00 21 52 23 4519.92 10.17 190.03 20.37 63.43 23 7 43 3919.9 6.52 183.25
 100.00 9 22 6 2089.22 -23.86 30.63 22.73 108.57 9 56 55 1489.2 -21.10 22.92
 100.00 23 9 58 4269.61 11.08 171.14 19.90 62.06 24 21 8 3669.6 7.26 164.44
 110.00 10 38 54 1848.85 -26.44 11.31 21.67 112.50 11 9 43 1248.8 -23.16 3.69
 110.00 0 13 35 4082.74 13.48 155.56 18.49 58.28 1 21 38 3482.7 9.18 149.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.8519 TRA 2.3637 TC3-2.6342 BAU .5131 SGT 4429.6 SGR 2841.1 SG3 1112.6 ST 1755.4 SR 1137.2 SS 2199.1
 RDE -.5309 RRA 1.6109 RC3-1.2291 FAU .08564 RRT .9916 RRF .9930 RTF .9882 CRT .9990 CR3 -.9845 CST -.9912
 FDE-3.3036 FRA 6.9412 FC3-5.6158 BSP 16345 SGB 5262.4 R23 .0638 R13 .9913 LSA 3026.6 MSA 224.2 S5A 11.4
 BDE 1.0038 BRA 2.8804 BC3 2.9068 FSP -3835 SGI 5253.3 SG2 309.5 TMA 32.58 EL1 2091.1 EL2 43.1 ALF 32.92

LAUNCH DATE APR 15 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 536.238

RL 150.08 LAL -.00 LOL 204.35 VL 27.536 GAL 6.95 AZL 90.02 MCA 232.31 SMA 131.35 ECC .18625 INC .0000 V1 29.689
 RP 107.78 LAP .02 LOP 76.66 VP 38.109 GAP 2.91 AZP 89.99 TAL 146.41 TAP 18.72 RCA 106.89 APO 155.82 V2 35.160
 RC 93.352 GL -.15 GP -32.36 ZAL 39.97 ZAP 120.46 ETS 340.45 ZAE 131.31 ETE 210.00 ZAC 135.79 ETC 348.79 CLP-126.89

PLANETOCENTRIC CONIC

C3 13.635 VML 3.693 DLA 5.86 RAL 165.93 RAD 6567.5 VEL 11.620 PTH 2.04 VMP 4.195 DPA -11.08 RAP 125.51 ECC 1.2244
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 10 45 2309.26 -21.75 47.57 22.71 108.59 8 49 15 1709.3 -19.01 39.97
 90.00 21 36 20 4588.35 12.23 194.00 20.61 64.26 22 52 49 3988.4 8.67 187.13
 100.00 9 34 52 2037.95 -22.70 27.25 22.35 109.98 10 8 50 1437.9 -19.78 19.68
 100.00 22 54 55 4334.90 13.13 174.90 20.15 62.91 24 7 9 3734.9 9.40 168.11
 110.00 10 49 28 1804.49 -25.25 8.41 21.23 113.84 11 19 33 1204.5 -21.81 .94
 110.00 0 0 44 4141.12 15.54 158.82 18.78 59.16 1 9 45 3541.1 11.34 152.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.0045 TRA 2.3998 TC3-2.7296 BAU .5342 SGT 4789.4 SGR 2558.9 SG3 1074.1 ST 1978.2 SR 1026.0 SS 2219.4
 RDE -.4865 RRA 1.4841 RC3-1.0657 FAU .08123 RRT .9914 RRF .9908 RTF .9889 CRT .9967 CR3 -.9807 CST -.9933
 FDE-3.3697 FRA 6.8058 FC3-5.1573 BSP 16850 SGB 5430.1 R23 .0510 R13 .9908 LSA 3137.2 MSA 221.6 S5A 11.7
 BDE 1.1161 BRA 2.9938 BC3 2.9303 FSP -3712 SGI 5422.1 SG2 295.2 TMA 28.00 EL1 2227.2 EL2 74.0 ALF 27.37

LAUNCH DATE APR 15 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 542.446

RL 150.08 LAL -.00 LOL 204.35 VL 27.527 GAL 7.11 AZL 90.25 MCA 235.53 SMA 131.29 ECC .18841 INC .2507 V1 29.689
 RP 107.75 LAP .21 LOP 79.88 VP 38.112 GAP 3.37 AZP 89.86 TAL 146.03 TAP 21.56 RCA 106.55 APO 156.03 V2 35.170
 RC 95.596 GL -1.83 GP -30.10 ZAL 39.10 ZAP 124.39 ETS 338.94 ZAE 130.20 ETE 206.33 ZAC 136.82 ETC 350.63 CLP-130.76

PLANETOCENTRIC CONIC

C3 14.164 VML 3.764 DLA 4.11 RAL 165.75 RAD 6567.6 VEL 11.643 PTH 2.04 VMP 4.296 DPA -8.75 RAP 125.48 ECC 1.2331
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 23 14 2262.96 -20.71 44.57 22.64 109.75 9 0 56 1663.0 -17.83 37.08
 90.00 21 22 28 4651.37 14.06 197.72 21.12 65.17 22 40 0 4051.4 10.60 190.76
 100.00 9 46 30 1994.37 -21.66 24.44 22.26 111.12 10 19 44 1394.4 -18.60 16.98
 100.00 22 41 53 4395.19 14.98 178.43 20.67 63.82 23 55 8 3795.2 11.34 171.53
 110.00 10 59 10 1766.93 -24.20 6.00 21.09 114.92 11 28 37 1166.9 -20.64 358.67
 110.00 23 45 43 4195.39 17.41 161.92 19.32 60.11 24 55 38 3595.4 13.30 155.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.1601 TRA 2.8251 TC3-2.7900 BAU .5564 SGT 5111.1 SGR 2299.3 SG3 1025.9 ST 2190.1 SR 919.1 SS 2227.2
 RDE -.4418 RRA 1.3671 RC3 -.9212 FAU .07644 RRT .9906 RRF .9880 RTF .9893 CRT .9931 CR3 -.9758 CST -.9946
 FDE-3.4023 FRA 6.6102 FC3-4.6720 BSP 17472 SGB 5604.5 R23 .0359 R13 .9904 LSA 3248.5 MSA 220.0 S5A 11.9
 BDE 1.2414 BRA 3.1385 BC3 2.9382 FSP -3571 SGI 5597.1 SG2 287.4 TMA 24.09 EL1 2373.0 EL2 99.4 ALF 22.67

LAUNCH DATE APR 15 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 548.629

RL 150.08 LAL -.00 LOL 204.35 VL 27.517 GAL 7.29 AZL 90.47 MCA 238.76 SMA 131.22 ECC .19084 INC .4651 V1 29.689
 RP 107.72 LAP .40 LOP 83.11 VP 38.115 GAP 3.84 AZP 89.76 TAL 145.62 TAP 24.38 RCA 106.18 APO 156.26 V2 35.180
 RC 97.843 GL -3.30 GP -28.00 ZAL 38.64 ZAP 128.10 ETS 337.64 ZAE 129.03 ETE 203.21 ZAC 137.51 ETC 352.99 CLP-134.34

PLANETOCENTRIC CONIC

C3 14.790 VML 3.846 DLA 2.54 RAL 165.67 RAD 6567.6 VEL 11.669 PTH 2.05 VMP 4.422 DPA -6.65 RAP 125.64 ECC 1.2434
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 34 40 2223.57 -19.79 42.05 22.83 110.68 9 11 44 1623.6 -16.80 34.65
 90.00 21 10 25 4709.93 15.71 201.24 21.86 66.13 22 28 51 4109.9 12.35 194.17
 100.00 9 57 12 1957.38 -20.74 22.08 22.43 112.03 10 29 49 1357.4 -17.57 14.72
 100.00 22 30 35 4451.35 16.63 181.78 21.42 64.80 23 44 46 3851.4 13.10 174.77
 110.00 11 8 10 1735.26 -23.27 4.00 21.22 115.77 11 37 5 1155.3 -19.62 356.78
 110.00 23 38 6 4246.23 19.11 164.88 20.09 61.10 24 46 52 3646.2 15.11 158.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.3157 TRA 3.0451 TC3-2.8116 BAU .5775 SGT 5398.2 SGR 2064.4 SG3 971.6 ST 2388.0 SR 817.0 SS 2220.9
 RDE -.3981 RRA 1.2622 RC3 -.7908 FAU .07108 RRT .9889 RRF .9843 RTF .9895 CRT .9879 CR3 -.9690 CST -.9956
 FDE-3.3978 FRA 6.3823 FC3-4.1604 BSP 18102 SGB 5779.5 R23 .0206 R13 .9900 LSA 3354.8 MSA 219.3 S5A 12.1
 BDE 1.3741 BRA 3.2963 BC3 2.9207 FSP -3401 SGI 5772.4 SG2 286.7 TMA 20.77 EL1 2421.1 EL2 120.3 ALF 18.72

LAUNCH DATE APR 15 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 554.783

RL 150.08 LAL -.00 LOL 204.35 VL 27.507 GAL 7.48 AZL 90.67 MCA 241.99 SMA 131.14 ECC .19355 INC .6651 V1 29.649
 RP 107.69 LAP .59 LOP 86.34 VP 38.116 GAP 4.31 AZP 89.69 TAL 145.19 TAP 27.18 RCA 105.76 APO 156.53 V2 35.190
 RC 100.092 GL -4.61 GP -26.09 ZAL 38.20 ZAP 131.59 ETS 336.50 ZAE 127.85 ETE 200.56 ZAC 137.87 ETC 354.59 CLP-137.65

PLANETOCENTRIC CONIC

C3 15.514 VHL 3.939 DLA 1.12 RAL 165.68 RAD 6567.6 VEL 11.700 PTM 2.06 VMP 4.570 DPA -4.76 RAP 125.99 ECC 1.2553
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 45 16 2190.19 -18.97 39.94 23.24 111.43 9 21 46 1590.2 -15.89 32.62
 90.00 20 59 55 4764.74 17.19 204.58 22.80 67.14 22 19 19 4164.7 13.94 197.40
 100.00 10 7 8 1926.13 -19.93 20.11 22.83 112.76 10 39 14 1326.1 -16.67 12.83
 100.00 22 20 44 4504.04 18.13 184.97 22.36 65.82 23 35 48 3904.0 14.71 177.85
 110.00 11 16 34 1708.78 -22.48 2.36 21.57 116.46 11 45 3 1108.8 -18.75 355.21
 110.00 23 27 47 4294.15 20.66 167.74 21.06 62.14 24 39 21 3694.2 16.77 160.77

DIFFERENTIAL CORRECTIONS

TOE-1.4718 TRA 3.2615 TC3-2.7995 BAU .5973
 RDE -.3505 RRA 1.1691 RC3 -.6759 FAU .06543
 FDE-3.3635 FRA 6.1364 FC3-3.6513 BSP 18732
 BOE 1.5130 BRA 3.4647 BC3 2.8800 FSP -3216

MID-COURSE EXECUTION ACCURACY

SGT 5653.7 SGR 1853.9 SG3 914.1
 RRT .9863 RRF .9796 RTF .9895
 SGB 5949.9 R23 .0066 R13 .9897
 SGI 5942.8 S62 291.2 TMA 17.97

ORBIT DETERMINATION ACCURACY

ST 2571.9 SR 721.5 SS 2202.9
 CRT .9803 CRS -.9597 CST -.9963
 LSA 3455.4 MSA 218.9 SSA 12.3
 EL1 2667.6 EL2 137.5 ALF 15.42

LAUNCH DATE APR 15 1967

FLIGHT TIME 208.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 560.908

RL 150.08 LAL -.00 LOL 204.35 VL 27.495 GAL 7.70 AZL 90.85 MCA 245.22 SMA 131.06 ECC .19655 INC .8534 V1 29.649
 RP 107.66 LAP .78 LOP 89.57 VP 38.116 GAP 4.79 AZP 89.64 TAL 144.73 TAP 29.95 RCA 105.30 APO 156.82 V2 35.199
 RC 102.344 GL -5.76 GP -24.34 ZAL 37.76 ZAP 134.86 ETS 335.47 ZAE 126.69 ETE 198.33 ZAC 137.93 ETC 356.57 CLP-140.73

PLANETOCENTRIC CONIC

C3 16.341 VHL 4.042 DLA -.17 RAL 165.77 RAD 6567.7 VEL 11.736 PTM 2.07 VMP 4.739 DPA -3.08 RAP 126.52 ECC 1.2649
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 55 9 2162.11 -18.26 38.19 23.85 112.02 9 31 12 1562.1 -15.11 30.92
 90.00 20 50 44 4816.40 18.52 207.78 23.91 68.19 22 11 1 4216.4 15.40 200.50
 100.00 10 16 25 1899.98 -19.23 18.48 23.42 113.34 10 48 5 1300.0 -15.91 11.26
 100.00 22 12 10 4553.77 19.49 188.04 23.49 66.88 23 28 3 3953.8 16.19 180.80
 110.00 11 24 30 1686.91 -21.81 1.01 22.12 117.00 11 52 36 1086.9 -18.02 353.94
 110.00 23 20 35 4339.60 22.08 170.50 22.20 63.22 24 32 54 3739.6 18.31 163.40

DIFFERENTIAL CORRECTIONS

TOE-1.6277 TRA 3.4774 TC3-2.7574 BAU .6154
 RDE -.3055 RRA 1.0873 RC3 -.5757 FAU .05969
 FDE-3.3058 FRA 5.8851 FC3-3.1623 BSP 19326
 BOE 1.6561 BRA 3.6434 BC3 2.8168 FSP -3021

MID-COURSE EXECUTION ACCURACY

SGT 5880.9 SGR 1667.0 SG3 855.6
 RRT .9825 RRF .9737 RTF .9894
 SGB 6112.6 R23 -.0053 R13 .9894
 SGI 6103.3 S62 299.0 TMA 15.60

ORBIT DETERMINATION ACCURACY

ST 2741.0 SR 633.6 SS 2175.1
 CRT .9694 CRS -.9468 CST -.9968
 LSA 3549.3 MSA 218.9 SSA 12.4
 EL1 2809.2 EL2 151.8 ALF 12.67

LAUNCH DATE APR 15 1967

FLIGHT TIME 210.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 567.002

RL 150.08 LAL -.00 LOL 204.35 VL 27.482 GAL 7.93 AZL 91.03 MCA 248.45 SMA 130.97 ECC .19987 INC 1.0324 V1 29.649
 RP 107.63 LAP .96 LOP 92.80 VP 38.114 GAP 5.28 AZP 89.62 TAL 144.25 TAP 32.71 RCA 104.79 APO 157.14 V2 35.208
 RC 104.596 GL -6.78 GP -22.75 ZAL 37.31 ZAP 137.91 ETS 334.52 ZAE 125.57 ETE 196.45 ZAC 137.70 ETC 358.46 CLP-143.58

PLANETOCENTRIC CONIC

C3 17.278 VHL 4.157 DLA -1.33 RAL 165.93 RAD 6567.7 VEL 11.775 PTM 2.08 VMP 4.926 DPA -1.61 RAP 127.21 ECC 1.2844
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 4 26 2138.79 -17.66 36.74 24.63 112.50 9 40 5 1538.8 -14.46 29.53
 90.00 20 42 44 4865.35 19.73 210.86 25.19 69.27 22 3 49 4265.3 16.74 203.47
 100.00 10 25 10 1878.40 -18.64 17.15 24.18 113.80 10 56 28 1278.4 -15.27 9.98
 100.00 22 4 42 4600.97 20.73 191.01 24.78 67.96 23 21 23 4001.0 17.55 183.65
 110.00 11 31 59 1669.22 -21.26 359.94 22.85 117.42 11 59 48 1069.2 -17.42 352.91
 110.00 23 14 22 4382.92 23.38 173.19 23.51 64.32 24 27 25 3782.9 19.73 165.95

DIFFERENTIAL CORRECTIONS

TOE-1.7819 TRA 3.6973 TC3-2.6848 BAU .6303
 RDE -.2611 RRA 1.0161 RC3 -.4876 FAU .04379
 FDE-3.2262 FRA 5.6406 FC3-2.6952 BSP 19831
 BOE 1.8009 BRA 3.8344 BC3 2.7287 FSP -2814

MID-COURSE EXECUTION ACCURACY

SGT 6082.8 SGR 1502.2 SG3 797.9
 RRT .9773 RRF .9663 RTF .9892
 SGB 6265.5 R23 -.0144 R13 .9891
 SGI 6257.9 S62 309.1 TMA 13.60

ORBIT DETERMINATION ACCURACY

ST 2894.1 SR 553.5 SS 2137.6
 CRT .9536 CR6 -.9288 CST -.9972
 LSA 3635.7 MSA 219.1 SSA 12.6
 EL1 2942.0 EL2 163.9 ALF 10.37

LAUNCH DATE APR 15 1967

FLIGHT TIME 212.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 573.062

RL 150.08 LAL -.00 LOL 204.35 VL 27.468 GAL 8.19 AZL 91.20 MCA 251.69 SMA 130.87 ECC .20350 INC 1.2035 V1 29.649
 RP 107.61 LAP 1.14 LOP 96.04 VP 38.112 GAP 5.78 AZP 89.62 TAL 143.75 TAP 35.44 RCA 104.24 APO 157.50 V2 35.216
 RC 106.849 GL -7.66 GP -21.31 ZAL 36.85 ZAP 140.76 ETS 333.60 ZAE 124.50 ETE 194.87 ZAC 137.24 ETC .22 CLP-146.24

PLANETOCENTRIC CONIC

C3 18.335 VHL 4.282 DLA -2.39 RAL 166.16 RAD 6567.7 VEL 11.820 PTM 2.09 VMP 5.131 DPA -.32 RAP 128.05 ECC 1.3017
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 13 10 2119.78 -17.16 35.57 25.56 112.88 9 48 30 1519.8 -13.92 28.39
 90.00 20 35 46 4911.97 20.83 213.84 26.62 70.37 21 57 38 4312.0 17.96 206.34
 100.00 10 33 24 1860.97 -18.16 16.08 25.11 114.16 11 4 25 1261.0 -14.74 8.95
 100.00 21 58 13 4646.01 21.85 193.88 26.22 69.08 23 15 39 4046.0 18.81 186.40
 110.00 11 39 6 1655.34 -20.82 359.10 25.73 117.74 12 6 41 1055.3 -16.95 352.12
 110.00 23 9 1 4424.41 24.58 175.81 24.97 65.46 24 22 45 3824.4 21.06 168.43

DIFFERENTIAL CORRECTIONS

TOE-1.9403 TRA 3.9169 TC3-2.5999 BAU .6453
 RDE -.2195 RRA .9530 RC3 -.4149 FAU .04844
 FDE-3.1431 FRA 5.3983 FC3-2.2871 BSP 20382
 BOE 1.9527 BRA 4.0311 BC3 2.6328 FSP -2626

MID-COURSE EXECUTION ACCURACY

SGT 6262.2 SGR 1356.9 SG3 742.2
 RRT .9707 RRF .9572 RTF .9890
 SGB 6407.6 R23 -.0222 R13 .9889
 SGI 6399.6 S62 319.2 TMA 11.91

ORBIT DETERMINATION ACCURACY

ST 3036.8 SR 482.6 SS 2098.1
 CRT .9318 CRS -.9046 CST -.9976
 LSA 3716.0 MSA 219.1 SSA 12.7
 EL1 3070.0 EL2 173.3 ALF 8.45

LAUNCH DATE APR 15 1967

FLIGHT TIME 214.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 579.084

RL 150.08 LAL -1.00 LOL 204.35 VL 27.454 GAL 8.47 AZL 91.37 MCA 254.93 SMA 130.77 ECC .20747 INC 1.3685 V1 29.689
 RP 107.59 LAP 1.32 LOP 99.27 VP 38.108 GAP 6.29 AZP 89.64 TAL 143.23 TAP 38.16 RCA 103.64 APO 157.90 V2 35.223
 RC 109.101 GL -8.44 GP -20.01 ZAL 36.38 ZAP 143.43 ETS 332.69 ZAE 123.50 ETE 193.33 ZAC 136.55 ETC 1.84 CLP-148.72

PLANETOCENTRIC CONIC

C3 19.521 VML 4.418 DLA -3.35 RAL 166.43 RAD 6567.8 VEL 11.870 PTH 2.11 VMP 5.353 DPA .79 RAP 129.03 ECC 1.3213
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 21 25 2104.71 -16.76 34.64 26.65 113.16 9 56 30 1504.7 -13.48 27.50
 90.00 20 29 43 4956.59 21.82 216.74 28.19 71.49 21 52 19 4356.6 19.09 209.13
 100.00 10 41 12 1847.36 -17.78 15.25 26.18 114.43 11 12 0 1247.4 -14.35 8.15
 100.00 21 52 37 4689.17 22.87 196.68 27.79 70.21 23 10 46 4089.2 19.97 189.09
 110.00 11 45 51 1644.96 -20.49 358.47 24.76 117.98 12 13 16 1045.0 -16.59 351.52
 110.00 23 4 27 4464.34 25.68 178.39 26.57 66.63 24 18 51 3664.3 22.30 170.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.1004 TRA 4.1418 TC3-2.4971 BAU .6582 SGT 6421.4 SGR 1229.2 SG3 689.2 ST 3166.7 SR 420.2 SS 2034.8
 RDE -.1794 RRA .8977 RC3 -.3526 FAU .04330 RRT .9622 RRF .9463 RTF .9888 CRT .9010 CRS -.8711 CST -.9979
 FDE-3.0531 FRA 5.1684 FC3-1.9201 BSP 20896 SGB 6538.0 R23 -.0281 R13 .9886 LSA 3791.9 MSA 219.0 SSA 12.7
 BDE 2.1080 BRA 4.2380 BC3 2.5219 FSP -2443 SGI 6529.7 SG2 329.1 TMA 10.46 EL1 3189.4 EL2 181.0 ALF 6.84

LAUNCH DATE APR 15 1967

FLIGHT TIME 216.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 585.067

RL 150.08 LAL -1.00 LOL 204.35 VL 27.438 GAL 8.78 AZL 91.53 MCA 258.16 SMA 130.66 ECC .21180 INC 1.5285 V1 29.689
 RP 107.57 LAP 1.50 LOP 102.51 VP 38.103 GAP 6.81 AZP 89.69 TAL 142.69 TAP 40.86 RCA 102.98 APO 158.33 V2 35.230
 RC 111.351 GL -9.11 GP -18.83 ZAL 35.90 ZAP 145.92 ETS 331.75 ZAE 122.56 ETE 192.39 ZAC 135.68 ETC 3.30 CLP-151.05

PLANETOCENTRIC CONIC

C3 20.853 VML 4.566 DLA -4.22 RAL 166.75 RAD 6567.8 VEL 11.926 PTH 2.12 VMP 5.592 DPA 1.74 RAP 130.14 ECC 1.3432
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 29 14 2093.29 -16.45 33.95 27.86 113.38 10 4 7 1493.3 -13.15 26.82
 90.00 20 24 29 4999.46 22.72 219.56 29.88 72.63 21 47 48 4399.5 20.13 211.85
 100.00 10 48 36 1837.27 -17.49 14.64 27.37 114.63 11 19 13 1237.3 -14.02 7.56
 100.00 21 47 48 4730.71 23.80 199.41 29.49 71.36 23 6 39 4130.7 21.04 191.71
 110.00 11 52 18 1637.83 -20.26 358.05 25.92 118.14 12 19 36 1037.8 -16.34 351.12
 110.00 23 0 35 4502.92 26.70 180.93 28.30 67.82 24 15 38 3902.9 23.46 173.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.2618 TRA 4.3743 TC3-2.3804 BAU .6688 SGT 6562.6 SGR 1117.0 SG3 639.3 ST 3283.9 SR 366.1 SS 2008.4
 RDE -.1408 RRA .8493 RC3 -.2994 FAU .03843 RRT .9517 RRF .9333 RTF .9886 CRT .8577 CRS -.8251 CST -.9981
 FDE-2.9586 FRA 4.9538 FC3-1.5956 BSP 21354 SGB 6657.0 R23 -.0326 R13 .9883 LSA 3860.5 MSA 218.9 SSA 12.8
 BDE 2.2662 BRA 4.4560 BC3 2.3992 FSP -2271 SGI 6648.4 SG2 338.5 TMA 9.23 EL1 3298.9 EL2 187.4 ALF 5.48

LAUNCH DATE APR 15 1967

FLIGHT TIME 218.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 591.005

RL 150.08 LAL -1.00 LOL 204.35 VL 27.422 GAL 9.11 AZL 91.68 MCA 261.40 SMA 130.55 ECC .21651 INC 1.6849 V1 29.689
 RP 107.55 LAP 1.67 LOP 105.75 VP 38.098 GAP 7.35 AZP 89.75 TAL 142.14 TAP 43.54 RCA 102.28 APO 158.41 V2 35.236
 RC 113.598 GL -9.70 GP -17.76 ZAL 35.41 ZAP 148.25 ETS 330.77 ZAE 121.68 ETE 191.43 ZAC 134.65 ETC 4.60 CLP-153.25

PLANETOCENTRIC CONIC

C3 22.345 VML 4.727 DLA -5.01 RAL 167.12 RAD 6567.9 VEL 11.988 PTH 2.14 VMP 5.848 DPA 2.53 RAP 131.36 ECC 1.3677
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 36 38 2085.28 -16.24 33.46 29.19 113.52 10 11 23 1485.3 -12.92 26.35
 90.00 20 20 0 5040.81 23.53 222.32 31.68 73.78 21 44 1 4440.8 21.08 214.50
 100.00 10 55 37 1830.48 -17.30 14.22 28.69 114.76 11 26 7 1230.5 -13.82 7.16
 100.00 21 43 42 4770.84 24.65 202.09 31.31 72.53 23 3 13 4170.8 22.03 194.28
 110.00 11 58 27 1633.75 -20.13 357.80 27.20 118.23 12 25 41 1033.7 -16.20 350.88
 110.00 22 57 21 4540.34 27.64 183.43 30.15 69.04 24 13 1 3940.3 24.54 175.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4264 TRA 4.6152 TC3-2.2535 BAU .6774 SGT 6687.5 SGR 1018.1 SG3 592.7 ST 3390.0 SR 320.2 SS 1960.9
 RDE -.1038 RRA .8065 RC3 -.2541 FAU .03387 RRT .9389 RRF .9181 RTF .9883 CRT .7981 CRS -.7627 CST -.9984
 FDE-2.8638 FRA 4.7543 FC3-1.3124 BSP 21783 SGB 6764.5 R23 -.0359 R13 .9881 LSA 3923.2 MSA 218.6 SSA 12.8
 BDE 2.4286 BRA 4.6852 BC3 2.2678 FSP -2108 SGI 6755.6 SG2 346.9 TMA 8.16 EL1 3399.6 EL2 192.4 ALF 4.33

LAUNCH DATE APR 15 1967

FLIGHT TIME 220.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 596.896

RL 150.08 LAL -1.00 LOL 204.35 VL 27.406 GAL 9.46 AZL 91.84 MCA 264.65 SMA 130.43 ECC .22164 INC 1.8387 V1 29.689
 RP 107.53 LAP 1.83 LOP 108.99 VP 38.091 GAP 7.90 AZP 89.83 TAL 141.57 TAP 46.22 RCA 101.52 APO 159.34 V2 35.241
 RC 115.842 GL -10.19 GP -16.80 ZAL 34.90 ZAP 150.44 ETS 329.71 ZAE 120.86 ETE 190.60 ZAC 133.48 ETC 5.75 CLP-155.32

PLANETOCENTRIC CONIC

C3 24.018 VML 4.901 DLA -5.72 RAL 167.52 RAD 6568.0 VEL 12.058 PTH 2.16 VMP 6.120 DPA 3.20 RAP 132.68 ECC 1.3953
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 43 38 2080.46 -16.10 33.16 30.63 113.61 10 18 19 1480.5 -12.78 26.07
 90.00 20 16 11 5080.83 24.27 225.02 33.60 74.94 21 40 52 4480.8 21.96 217.11
 100.00 11 2 16 1826.79 -17.19 14.00 30.12 114.84 11 32 43 1226.8 -13.70 6.95
 100.00 21 40 14 4809.74 25.42 204.73 33.24 73.71 23 0 24 4209.7 22.94 196.80
 110.00 12 4 19 1632.53 -20.09 357.73 28.59 118.25 12 31 32 1032.5 -16.16 350.81
 110.00 22 54 41 4576.76 28.50 185.91 32.12 70.28 24 10 58 3976.8 25.55 177.98

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5914 TRA 4.8698 TC3-2.1137 BAU .6822 SGT 6797.8 SGR 931.1 SG3 549.3 ST 3482.7 SR 282.4 SS 1910.5
 RDE -.0676 RRA .7690 RC3 -.2147 FAU .02946 RRT .9235 RRF .9004 RTF .9881 CRT .7168 CRS -.6787 CST -.9986
 FDE-2.7662 FRA 4.5741 FC3-1.0619 BSP 22106 SGB 6861.2 R23 -.0379 R13 .9878 LSA 3976.5 MSA 218.2 SSA 12.8
 BDE 2.5923 BRA 4.9301 BC3 2.1245 FSP -1948 SGI 6852.1 SG2 354.3 TMA 7.23 EL1 3488.6 EL2 196.6 ALF 3.34

LAUNCH DATE APR 16 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUN 25 1967

HELIOCENTRIC CONIC

DISTANCE 121.363

RL 150.12 LAL -1.00 LOL 205.33 VL 13.345 GAL 39.40 AZL 86.74 MCA 26.13 SMA 83.47 ECC .88525 INC 3.2581 V1 29.681
 RP 108.34 LAP 1.43 LOP 231.42 VP 29.325 GAP -60.84 AZP 87.07 TAL 173.59 TAP 199.72 RCA 9.58 APO 157.36 V2 34.979
 RC 100.667 GL 1.60 GP 2.58 ZAL 67.62 ZAP 38.86 ETS 186.51 ZAE 131.92 ETE 179.04 ZAC 162.54 ETC 77.71 CLP 38.79

PLANETOCENTRIC CONIC

C3 439.767 VML 20.971 DLA 17.05 RAL 140.67 RAD 6572.2 VEL 23.687 PTH 3.30 VMP 33.187 OPA 26.83 RAP 90.00 ECC 8.2374
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 21 29 3389.50 -22.89 123.69 54.38 72.86 5 47 59 2789.5 -25.02 115.67
 90.00 21 26 17 4911.96 20.83 213.84 40.27 70.37 22 48 9 4312.0 17.96 206.34
 100.00 6 22 36 3095.68 -24.78 102.72 55.02 72.72 7 14 12 2495.7 -26.91 94.57
 100.00 22 37 52 4681.02 22.68 196.15 39.55 69.99 23 55 53 4081.0 19.75 188.58
 110.00 7 52 23 2814.78 -29.68 83.13 56.76 72.22 8 39 18 2214.8 -31.83 74.57
 110.00 23 24 34 4534.68 27.50 183.05 37.56 68.85 24 40 9 3934.7 24.38 175.28

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7965 TRA-2.3019 TC3 -.0998 BAU .5867 SGT 809.5 SGR 464.4 SG3 21.0 ST 294.0 SR 429.5 SS 282.0
 RDE-1.5587 RRA -.6485 RC3 .0003 FAU .01080 RRT .0765 RRF -.0684 RTF -.6059 CRT -.6470 CRS -.6697 CST .9971
 FDE -.2736 FRA .7447 FC3 -.0213 BSP 1867 SGB 933.3 R23 .0004 R13 -.6063 LSA 539.1 MSA 244.2 SSA 14.2
 BDE 1.7504 BRA 2.3915 BC3 .0998 FSP -42 SGI 810.6 SG2 462.4 THA 3.73 EL1 480.3 EL2 200.5 ALF 119.52

LAUNCH DATE APR 16 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUN 27 1967

HELIOCENTRIC CONIC

DISTANCE 126.317

RL 150.12 LAL -1.00 LOL 205.33 VL 14.205 GAL 37.29 AZL 87.42 MCA 29.31 SMA 84.73 ECC .86256 INC 2.5758 V1 29.681
 RP 108.38 LAP 1.26 LOP 234.61 VP 29.712 GAP -58.20 AZP 87.75 TAL 172.67 TAP 201.98 RCA 11.65 APO 157.82 V2 34.966
 RC 98.243 GL 1.45 GP 2.63 ZAL 66.18 ZAP 37.33 ETS 186.74 ZAE 131.73 ETE 178.71 ZAC 161.98 ETC 72.73 CLP 37.25

PLANETOCENTRIC CONIC

C3 404.263 VML 20.106 DLA 16.46 RAL 142.05 RAD 6572.1 VEL 22.925 PTH 3.27 VMP 32.049 OPA 26.97 RAP 91.85 ECC 7.6531
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 2 45 3359.50 -23.48 121.69 55.08 73.70 5 58 45 2759.5 -25.49 113.60
 90.00 21 26 1 4926.24 21.15 214.76 41.18 70.72 22 48 7 4326.2 18.33 207.23
 100.00 6 33 22 3067.30 -25.34 100.80 55.68 73.58 7 24 29 2467.3 -27.34 92.57
 100.00 22 38 5 4693.67 22.97 196.97 40.49 70.33 23 56 19 4093.7 20.08 189.37
 110.00 8 2 7 2789.62 -30.49 81.35 57.32 73.16 8 48 36 2189.6 -32.20 72.71
 110.00 23 25 49 4544.12 27.73 183.69 38.55 69.16 24 41 34 3944.1 24.64 175.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8141 TRA-2.3245 TC3 -.1068 BAU .5772 SGT 845.8 SGR 471.4 SG3 22.5 ST 311.3 SR 433.9 SS 298.2
 RDE-1.5090 RRA -.6498 RC3 .0008 FAU .01079 RRT .0810 RRF -.0729 RTF -.6241 CRT -.6497 CRS -.6766 CST .9971
 FDE -.2905 FRA .7719 FC3 -.0231 BSP 1904 SGB 960.3 R23 .0001 R13 -.6245 LSA 557.5 MSA 251.1 SSA 14.4
 BDE 1.7146 BRA 2.4136 BC3 .1068 FSP -46 SGI 847.0 SG2 469.1 THA 3.73 EL1 491.5 EL2 209.0 ALF 121.25

LAUNCH DATE APR 16 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUN 29 1967

HELIOCENTRIC CONIC

DISTANCE 131.420

RL 150.12 LAL -1.00 LOL 205.33 VL 15.021 GAL 35.39 AZL 87.98 MCA 32.49 SMA 86.04 ECC .83910 INC 2.0168 V1 29.681
 RP 108.42 LAP 1.08 LOP 237.80 VP 30.095 GAP -55.71 AZP 88.30 TAL 171.74 TAP 204.23 RCA 13.84 APO 158.23 V2 34.953
 RC 95.826 GL 1.28 GP 2.69 ZAL 64.79 ZAP 35.83 ETS 186.98 ZAE 131.60 ETE 178.36 ZAC 161.27 ETC 68.02 CLP 35.75

PLANETOCENTRIC CONIC

C3 371.815 VML 19.283 DLA 15.86 RAL 143.37 RAD 6572.0 VEL 22.206 PTH 3.24 VMP 30.950 OPA 27.09 RAP 93.74 ECC 7.1191
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 13 43 3329.17 -24.05 119.65 55.66 74.58 6 9 12 2729.2 -25.93 111.49
 90.00 21 25 34 4939.91 21.46 215.65 42.02 71.06 22 47 54 4339.9 18.67 208.08
 100.00 6 43 51 3038.53 -25.88 98.83 56.22 74.49 7 34 29 2438.5 -27.75 90.53
 100.00 22 38 8 4705.79 23.25 197.77 41.35 70.66 23 56 34 4105.8 20.40 190.13
 110.00 8 11 36 2763.98 -30.69 79.51 57.75 74.14 8 57 40 2164.0 -32.55 70.79
 110.00 23 26 52 4553.11 27.95 184.30 39.46 69.46 24 42 45 3953.1 24.90 176.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8336 TRA-2.3454 TC3 -.1138 BAU .5657 SGT 882.5 SGR 477.8 SG3 24.2 ST 329.8 SR 437.7 SS 314.9
 RDE-1.4592 RRA -.6495 RC3 .0013 FAU .01080 RRT .0846 RRF -.0770 RTF -.6418 CRT -.6533 CRS -.6834 CST .9971
 FDE -.3081 FRA .7990 FC3 -.0252 BSP 2167 SGB 1003.6 R23 -.0005 R13 -.6422 LSA 577.2 MSA 257.3 SSA 14.6
 BDE 1.6805 BRA 2.4337 BC3 .1138 FSP -51 SGI 883.8 SG2 475.4 THA 3.69 EL1 503.2 EL2 217.2 ALF 123.14

LAUNCH DATE APR 16 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 1 1967

HELIOCENTRIC CONIC

DISTANCE 136.662

RL 150.12 LAL -1.00 LOL 205.33 VL 15.792 GAL 33.68 AZL 88.45 MCA 35.67 SMA 87.39 ECC .81511 INC 1.5478 V1 29.681
 RP 108.46 LAP .90 LOP 240.99 VP 30.473 GAP -53.35 AZP 88.74 TAL 170.81 TAP 206.48 RCA 16.16 APO 158.61 V2 34.941
 RC 93.418 GL 1.10 GP 2.76 ZAL 63.44 ZAP 34.36 ETS 187.26 ZAE 131.54 ETE 177.99 ZAC 160.42 ETC 63.63 CLP 34.26

PLANETOCENTRIC CONIC

C3 342.118 VML 18.496 DLA 15.25 RAL 144.63 RAD 6571.9 VEL 21.527 PTH 3.22 VMP 29.887 OPA 27.19 RAP 95.65 ECC 6.6304
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 24 24 3298.49 -24.58 117.56 56.12 75.49 6 19 22 2698.5 -26.34 109.33
 90.00 21 24 58 4952.98 21.74 216.50 42.78 71.40 22 47 31 4353.0 19.00 208.90
 100.00 6 54 3 3009.34 -26.39 96.81 56.64 75.43 7 44 13 2409.3 -28.13 88.44
 100.00 22 38 0 4717.36 23.51 198.53 42.12 70.98 23 56 37 4117.4 20.70 190.86
 110.00 8 20 50 2737.83 -31.16 77.62 58.06 75.17 9 6 28 2137.8 -32.88 68.82
 110.00 23 27 43 4561.64 28.15 184.88 40.28 69.75 24 43 44 3961.6 25.13 177.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8498 TRA-2.3697 TC3 -.1213 BAU .5549 SGT 921.7 SGR 483.7 SG3 26.1 ST 348.7 SR 441.0 SS 331.5
 RDE-1.4094 RRA -.6477 RC3 .0020 FAU .01082 RRT .0896 RRF -.0819 RTF -.6589 CRT -.6548 CRS -.6890 CST .9970
 FDE -.3256 FRA .8269 FC3 -.0274 BSP 2290 SGB 1040.9 R23 -.0008 R13 -.6593 LSA 597.2 MSA 263.5 SSA 14.9
 BDE 1.6458 BRA 2.4567 BC3 .1213 FSP -55 SGI 923.1 SG2 481.0 THA 3.70 EL1 514.9 EL2 225.7 ALF 125.05

LAUNCH DATE APR 16 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 3 1967

HELIOCENTRIC CONIC

DISTANCE 142.036

RL 150.12 LAL -.00 LOL 205.33 VL 16.521 GAL 32.10 AZL 88.85 MCA 38.85 SMA 88.76 ECC .79077 INC 1.1465 V1 29.681
 RP 108.50 LAP .72 LOP 244.17 VP 30.843 GAP -51.11 A7P 89.11 TAL 169.88 TAP 208.72 RCA 18.57 APO 158.95 V2 34.929
 RC 91.019 GL .90 GP 2.82 ZAL 62.13 ZAP 32.91 ETS 187.56 ZAE 131.53 ETE 177.59 ZAC 159.46 ETC 59.58 CLP 32.81

PLANETOCENTRIC CONIC

C3 314.902 VML 17.745 DLA 14.64 RAL 145.84 RAD 6571.8 VEL 20.886 PTH 3.19 VMP 28.857 DPA 27.28 RAP 97.60 ECC 6.1825
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 34 47 3267.41 -25.10 115.43 56.46 76.44 6 29 15 2667.4 -26.72 107.14
 90.00 21 24 13 4965.44 22.01 217.32 43.45 71.72 22 46 59 4365.4 19.31 209.69
 100.00 7 4 0 2979.71 -26.88 94.75 56.94 76.41 7 53 40 2379.7 -28.49 86.31
 100.00 22 37 42 4728.37 23.75 199.26 42.82 71.29 23 56 30 4128.4 20.98 191.56
 110.00 8 29 50 2711.16 -31.61 75.67 58.26 76.24 9 15 1 2111.2 -33.17 66.79
 110.00 23 28 21 4569.69 28.34 183.43 41.03 70.03 24 44 31 3969.7 25.35 177.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8657 TRA-2.3941 TC3 -.1290 BAU .5434
 RDE -1.3597 RRA -.6446 RC3 .0028 FAU .01084
 FDE -.3434 FRA .8552 FC3 -.0298 BSP 2429
 BDE 1.6119 BRA 2.4794 BC3 .1291 FSP -60

SGT 962.4 SGR 489.0 SG3 28.0
 RRT .0946 RRF -.0870 RTF -.6755
 SGB 1079.5 R23 -.0012 R13 -.6759
 SGI 963.9 SG2 486.0 TMA 3.69

ST 368.5 SR 443.7 SS 349.4
 CRT -.6559 CRS -.6941 CST .9969
 LSA 618.1 MSA 269.2 SSA 15.1
 ELI 527.1 EL2 234.1 ALF 127.04

LAUNCH DATE APR 16 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 5 1967

HELIOCENTRIC CONIC

DISTANCE 147.532

RL 150.12 LAL -.00 LOL 205.33 VL 17.210 GAL 30.65 AZL 89.20 MCA 42.03 SMA 90.16 ECC .76625 INC .7972 V1 29.681
 RP 108.53 LAP .53 LOP 247.35 VP 31.204 GAP -48.98 A7P 89.41 TAL 168.94 TAP 210.97 RCA 21.08 APO 159.25 V2 34.917
 RC 88.632 GL .69 GP 2.90 ZAL 60.87 ZAP 31.49 ETS 187.89 ZAE 131.58 ETE 177.16 ZAC 158.38 ETC 55.87 CLP 31.37

PLANETOCENTRIC CONIC

C3 289.930 VML 17.027 DLA 14.03 RAL 147.00 RAD 6571.7 VEL 20.279 PTH 3.15 VMP 27.860 DPA 27.34 RAP 99.57 ECC 5.7715
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 44 55 3235.90 -25.58 113.25 56.69 77.43 6 38 51 2635.9 -27.06 104.89
 90.00 21 23 18 4977.29 22.26 218.10 44.05 72.03 22 46 15 4377.3 19.60 210.44
 100.00 7 13 41 2949.60 -27.35 92.63 57.13 77.43 8 2 51 2349.6 -28.80 84.13
 100.00 22 37 13 4738.82 23.98 199.95 43.44 71.59 23 56 11 4138.8 21.24 192.22
 110.00 8 38 36 2683.94 -32.03 73.66 58.35 77.36 9 23 19 2083.9 -33.44 64.71
 110.00 23 28 48 4577.25 28.51 185.95 41.69 70.29 24 45 5 3977.2 25.56 178.02

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8809 TRA-2.4188 TC3 -.1370 BAU .5312
 RDE -1.3101 RRA -.6401 RC3 .0038 FAU .01088
 FDE -.3616 FRA .8840 FC3 -.0325 BSP 2574
 BDE 1.5787 BRA 2.5021 BC3 .1370 FSP -66

SGT 1004.6 SGR 493.8 SG3 30.1
 RRT .0998 RRF -.0923 RTF -.6915
 SGB 1119.4 R23 -.0017 R13 -.6919
 SGI 1006.2 SG2 490.5 TMA 3.69

ST 389.1 SR 445.8 SS 367.3
 CRT -.6567 CRS -.6985 CST .9967
 LSA 639.9 MSA 274.6 SSA 15.3
 ELI 539.9 EL2 242.4 ALF 129.13

LAUNCH DATE APR 16 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 7 1967

HELIOCENTRIC CONIC

DISTANCE 153.143

RL 150.12 LAL -.00 LOL 205.33 VL 17.861 GAL 29.30 AZL 89.51 MCA 45.20 SMA 91.59 ECC .74170 INC .4885 V1 29.681
 RP 108.57 LAP .35 LOP 250.53 VP 31.555 GAP -46.96 A7P 89.66 TAL 168.02 TAP 213.22 RCA 23.66 APO 159.51 V2 34.905
 RC 86.259 GL .47 GP 2.98 ZAL 59.66 ZAP 30.09 ETS 188.26 ZAE 131.69 ETE 176.69 ZAC 157.21 ETC 52.49 CLP 29.96

PLANETOCENTRIC CONIC

C3 266.997 VML 16.340 DLA 13.40 RAL 148.10 RAD 6571.6 VEL 19.706 PTH 3.12 VMP 26.893 DPA 27.39 RAP 101.56 ECC 5.3941
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 54 47 3203.92 -26.04 111.02 56.80 78.46 6 48 10 2603.9 -27.37 102.60
 90.00 21 22 13 4988.53 22.49 218.84 44.57 72.33 22 45 21 4388.5 19.87 211.15
 100.00 7 23 8 2918.97 -27.78 90.46 57.19 78.50 8 11 47 2319.0 -29.09 81.90
 100.00 22 36 33 4748.70 24.19 200.61 43.97 71.88 23 55 41 4148.7 21.48 192.86
 110.00 8 47 8 2656.13 -32.42 71.59 58.28 78.53 9 31 24 2056.1 -33.66 62.57
 110.00 23 29 2 4584.30 28.67 186.43 42.27 70.54 24 45 26 3984.3 25.75 178.48

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8952 TRA-2.4437 TC3 -.1452 BAU .5185
 RDE -1.2606 RRA -.6344 RC3 .0049 FAU .01093
 FDE -.3802 FRA .9133 FC3 -.0354 BSP 2719
 BDE 1.5462 BRA 2.5247 BC3 .1453 FSP -72

SGT 1048.6 SGR 497.9 SG3 32.3
 RRT .1054 RRF -.0979 RTF -.7069
 SGB 1160.8 R23 -.0021 R13 -.7073
 SGI 1050.3 SG2 494.4 TMA 3.68

ST 410.6 SR 447.3 SS 385.6
 CRT -.6568 CRS -.7026 CST .9965
 LSA 662.6 MSA 279.5 SSA 15.5
 ELI 553.2 EL2 250.4 ALF 131.28

LAUNCH DATE APR 16 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 9 1967

HELIOCENTRIC CONIC

DISTANCE 158.863

RL 150.12 LAL -.00 LOL 205.33 VL 18.476 GAL 28.03 AZL 89.79 MCA 48.38 SMA 93.02 ECC .71725 INC .2120 V1 29.681
 RP 108.60 LAP .16 LOP 253.71 VP 31.895 GAP -45.02 A7P 89.86 TAL 167.10 TAP 215.47 RCA 26.30 APO 159.74 V2 34.894
 RC 83.901 GL .22 GP 3.07 ZAL 58.48 ZAP 28.71 ETS 188.68 ZAE 131.86 ETE 176.19 ZAC 155.94 ETC 49.43 CLP 28.56

PLANETOCENTRIC CONIC

C3 245.919 VML 15.682 DLA 12.77 RAL 149.14 RAD 6571.4 VEL 19.163 PTH 3.09 VMP 25.955 DPA 27.42 RAP 103.57 ECC 5.0472
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 4 23 3171.42 -26.46 108.73 56.78 79.53 6 57 15 2571.4 -27.64 100.26
 90.00 21 20 57 4999.17 22.71 219.54 45.00 72.62 22 44 16 4399.2 20.12 211.83
 100.00 7 32 20 2887.80 -28.18 88.23 57.14 79.60 8 20 28 2287.8 -29.33 79.61
 100.00 22 35 42 4758.02 24.38 201.23 44.42 72.15 23 55 0 4158.0 21.71 193.45
 110.00 8 55 27 2627.72 -32.79 69.45 58.11 79.75 9 39 14 2027.7 -33.86 60.38
 110.00 23 29 4 4590.86 28.82 186.89 42.76 70.77 24 45 35 3990.9 25.93 178.90

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9093 TRA-2.4682 TC3 -.1535 BAU .5051
 RDE -1.2113 RRA -.6275 RC3 .0082 FAU .01099
 FDE -.3993 FRA .9431 FC3 -.0367 BSP 2877
 BDE 1.5146 BRA 2.5467 BC3 .1536 FSP -78

SGT 1094.2 SGR 501.5 SG3 34.7
 RRT .1110 RRF -.1037 RTF -.7218
 SGB 1203.6 R23 -.0027 R13 -.7222
 SGI 1095.9 SG2 497.6 TMA 3.67

ST 433.1 SR 448.2 SS 404.4
 CRT -.6569 CRS -.7062 CST .9963
 LSA 686.4 MSA 283.9 SSA 15.7
 ELI 567.3 EL2 257.9 ALF 133.51

LAUNCH DATE APR 16 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 11 1967

HELIOCENTRIC CONIC
 RL 150.12 LAL -.00 LOL 205.33 VL 19.057 GAL 26.84 AZL 90.04 MCA 51.55 SMA 94.46 ECC .69300 INC .0335 V1 29.681
 RP 108.64 LAP -.03 LOP 256.88 VP 32.223 GAP -43.18 AZP 90.02 TAL 166.18 TAP 217.73 RCA 29.00 APO 159.93 V2 34.883
 RC 81.561 GL -.04 GP 3.16 ZAL 57.35 ZAP 27.36 ETS 189.15 ZAE 132.10 ETE 175.66 ZAC 154.60 ETC 46.66 CLP 27.19

PLANETOCENTRIC CONIC
 C3 226.535 VML 15.051 DLA 12.14 RAL 150.14 RAD 6571.3 VEL 18.651 PTH 3.05 VMP 25.044 OPA 27.43 RAP 105.61 ECC 4.7282
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 13 45 3138.36 -26.85 106.39 56.65 80.64 7 6 4 2538.4 -27.87 97.87
 90.00 21 19 31 5009.24 22.92 220.21 45.35 72.90 22 43 0 4409.2 20.36 212.47
 100.00 7 41 18 2856.03 -28.55 85.94 56.97 80.75 8 28 54 2256.0 -29.54 77.27
 100.00 22 34 39 4766.81 24.57 201.82 44.78 72.41 23 54 6 4166.8 21.93 194.02
 110.00 9 3 33 2598.67 -33.12 67.25 57.82 81.01 9 46 31 1998.7 -34.01 58.12
 110.00 23 28 54 4596.93 28.96 187.31 43.16 70.99 24 45 31 3996.9 26.09 179.30

MID-COURSE EXECUTION ACCURACY
 SGT 1141.5 SGR 504.5 SG3 37.2
 RRT .1171 RRF -.1099 RTF -.7360
 SGB 1248.0 R23 -.0033 R13 -.7364
 SGI 1143.4 SG2 500.2 TMA 3.66

ORBIT DETERMINATION ACCURACY
 ST 456.3 SR 448.3 SS 423.8
 CRT -.6564 CRS -.7095 CST .9960
 LSA 711.2 MSA 287.8 SSA 15.8
 EL1 582.2 EL2 265.1 ALF 135.77

LAUNCH DATE APR 16 1967

FLIGHT TIME 88.00

ARRIVAL DATE JUL 13 1967

HELIOCENTRIC CONIC
 RL 150.12 LAL -.00 LOL 205.33 VL 19.606 GAL 25.72 AZL 90.27 MCA 54.72 SMA 95.91 ECC .66904 INC .2655 V1 29.681
 RP 108.67 LAP -.22 LOP 280.05 VP 32.539 GAP -41.42 AZP 90.15 TAL 165.28 TAP 220.01 RCA 31.74 APO 160.08 V2 34.872
 RC 79.241 GL -.33 GP 3.27 ZAL 56.27 ZAP 26.02 ETS 189.68 ZAE 132.41 ETE 175.07 ZAC 153.19 ETC 44.16 CLP 25.83

PLANETOCENTRIC CONIC
 C3 208.700 VML 14.446 DLA 11.50 RAL 151.08 RAD 6571.2 VEL 18.166 PTH 3.02 VMP 24.160 OPA 27.42 RAP 107.66 ECC 4.4347
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 22 54 3104.70 -27.20 103.99 56.40 81.80 7 14 39 2504.7 -28.05 95.43
 90.00 21 17 53 5018.75 23.11 220.84 45.61 73.16 22 41 31 4418.8 20.58 213.08
 100.00 7 50 3 2823.63 -28.89 83.59 56.67 81.95 8 37 7 2223.6 -29.70 74.88
 100.00 22 33 25 4775.06 24.73 202.58 45.06 72.66 23 53 0 4175.1 22.13 194.55
 110.00 9 11 26 2568.94 -33.41 64.98 57.40 82.32 9 54 15 1968.9 -34.11 55.81
 110.00 23 28 31 4602.51 29.08 187.70 43.47 71.18 24 45 13 4002.5 26.24 179.67

MID-COURSE EXECUTION ACCURACY
 SGT 1190.5 SGR 506.8 SG3 39.9
 RRT .1232 RRF -.1165 RTF -.7498
 SGB 1293.9 R23 -.0041 R13 -.7501
 SGI 1192.5 SG2 502.1 TMA 3.65

ORBIT DETERMINATION ACCURACY
 ST 480.7 SR 447.8 SS 443.7
 CRT -.6558 CRS -.7124 CST .9958
 LSA 737.2 MSA 291.2 SSA 16.0
 EL1 598.2 EL2 271.7 ALF 138.08

LAUNCH DATE APR 16 1967

FLIGHT TIME 90.00

ARRIVAL DATE JUL 15 1967

HELIOCENTRIC CONIC
 RL 150.12 LAL -.00 LOL 205.33 VL 20.123 GAL 24.65 AZL 90.48 MCA 57.90 SMA 97.36 ECC .64545 INC .4772 V1 29.681
 RP 108.70 LAP -.40 LOP 263.22 VP 32.843 GAP -39.73 AZP 90.25 TAL 164.39 TAP 222.29 RCA 34.52 APO 160.20 V2 34.862
 RC 76.944 GL -.63 GP 3.38 ZAL 55.22 ZAP 24.70 ETS 190.28 ZAE 132.79 ETE 174.44 ZAC 151.72 ETC 41.91 CLP 24.49

PLANETOCENTRIC CONIC
 C3 192.285 VML 13.867 DLA 10.85 RAL 151.97 RAD 6571.0 VEL 17.709 PTH 2.98 VMP 23.302 OPA 27.39 RAP 109.72 ECC 4.1645
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 31 49 3070.39 -27.51 101.52 56.03 83.00 7 23 0 2470.4 -28.19 92.93
 90.00 21 16 3 5027.74 23.28 221.44 45.79 73.41 22 39 50 4427.7 20.79 213.66
 100.00 7 58 35 2790.55 -29.18 81.17 56.26 83.19 8 45 6 2190.6 -29.81 72.43
 100.00 22 31 58 4782.82 24.89 202.90 45.25 72.89 23 51 41 4182.8 22.31 195.05
 110.00 9 19 8 2538.51 -33.66 62.64 56.87 83.69 10 1 27 1938.5 -34.17 53.43
 110.00 23 27 54 4607.62 29.19 188.05 43.70 71.37 24 44 42 4007.6 26.37 180.01

MID-COURSE EXECUTION ACCURACY
 SGT 1240.9 SGR 508.5 SG3 42.9
 RRT .1295 RRF -.1234 RTF -.7630
 SGB 1341.1 R23 -.0051 R13 -.7634
 SGI 1243.0 SG2 503.4 TMA 3.63

ORBIT DETERMINATION ACCURACY
 ST 506.1 SR 446.6 SS 464.2
 CRT -.6552 CRS -.7150 CST .9955
 LSA 764.5 MSA 293.9 SSA 16.2
 EL1 615.3 EL2 277.5 ALF 140.42

LAUNCH DATE APR 16 1967

FLIGHT TIME 92.00

ARRIVAL DATE JUL 17 1967

HELIOCENTRIC CONIC
 RL 150.12 LAL -.00 LOL 205.33 VL 20.612 GAL 23.65 AZL 90.67 MCA 61.07 SMA 98.80 ECC .62230 INC .6743 V1 29.681
 RP 108.73 LAP -.59 LOP 266.39 VP 33.135 GAP -38.12 AZP 90.33 TAL 163.52 TAP 224.58 RCA 37.32 APO 160.28 V2 34.853
 RC 74.673 GL -.96 GP 3.50 ZAL 54.23 ZAP 23.41 ETS 190.98 ZAE 133.24 ETE 173.75 ZAC 150.19 ETC 39.87 CLP 23.16

PLANETOCENTRIC CONIC
 C3 177.176 VML 13.311 DLA 10.19 RAL 152.80 RAD 6570.9 VEL 17.277 PTH 2.95 VMP 22.469 OPA 27.34 RAP 111.80 ECC 3.9159
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 40 32 3035.39 -27.77 99.00 55.54 84.24 7 31 8 2435.4 -28.28 90.37
 90.00 21 14 0 5036.25 23.45 222.01 45.88 73.65 22 37 56 4436.3 20.98 214.21
 100.00 8 6 56 2756.77 -29.42 78.69 55.73 84.47 8 52 53 2156.8 -29.88 69.92
 100.00 22 30 18 4790.11 25.04 203.39 45.36 73.11 23 50 8 4190.1 22.48 195.53
 110.00 9 26 38 2507.34 -33.87 60.23 56.21 85.10 10 8 26 1907.3 -34.18 51.00
 110.00 23 27 5 4612.30 29.29 188.38 43.84 71.54 24 43 57 4012.3 26.49 180.31

MID-COURSE EXECUTION ACCURACY
 SGT 1295.1 SGR 509.6 SG3 46.0
 RRT .1377 RRF -.1312 RTF -.7752
 SGB 1391.7 R23 -.0055 R13 -.7756
 SGI 1297.3 SG2 503.9 TMA 3.65

ORBIT DETERMINATION ACCURACY
 ST 531.5 SR 444.7 SS 485.1
 CRT -.6521 CRS -.7167 CST .9950
 LSA 792.0 MSA 296.6 SSA 16.3
 EL1 632.4 EL2 283.3 ALF 142.69

LAUNCH DATE APR 16 1967

FLIGHT TIME 94.00

ARRIVAL DATE JUL 19 1967

HELIOCENTRIC CONIC

DISTANCE 188.858

RL 150.12 LAL -0.00 LOL 205.33 VL 21.073 GAL 22.68 AZL 90.86 MCA 64.23 SMA 100.23 ECC .59966 INC .8596 VI 29.681
 RP 108.76 LAP -.77 LOP 269.56 VP 33.414 GAP -36.57 AZP 90.37 TAL 162.66 TAP 226.89 RCA 40.13 APO 160.34 V2 34.844
 RC 72.433 GL -1.31 GP 3.63 ZAL 53.27 ZAP 22.13 ETS 191.78 ZAE 133.76 ETE 173.01 ZAC 148.62 ETC 38.03 CLP 21.84

PLANETOCENTRIC CONIC

C3 163.267 VHL 12.778 DLA 9.52 RAL 153.59 RAD 6570.8 VEL 16.870 PTH 2.91 VHP 21.659 DPA 27.28 RAP 113.89 ECC 3.6870
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 49 4 2999.65 -27.99 96.41 54.94 85.52 7 39 4 2399.6 -28.32 87.76
 90.00 21 11 44 5044.33 23.60 222.55 45.89 73.88 22 35 48 4444.3 21.16 214.73
 100.00 8 15 5 2722.23 -29.62 76.14 55.08 85.80 9 0 27 2122.2 -29.89 67.35
 100.00 22 28 24 4796.99 25.17 203.86 45.38 73.32 23 48 21 4197.0 22.65 195.97
 110.00 9 33 58 2475.39 -34.03 57.75 55.43 86.56 10 15 13 1875.4 -34.13 48.50
 110.00 23 26 1 4616.58 29.38 188.68 43.89 71.69 24 42 58 4016.6 26.60 180.60

DIFFERENTIAL CORRECTIONS

TDE .9615 TRA-2.5873 TC3 -.1987 BAU .4351
 RDE -.9698 RRA -.5791 RC3 .0161 FAU .01153
 FDE -.5015 FRA 1.1040 FC3 -.0612 BSP 3601
 BDE 1.3656 BRA 2.6513 BC3 .1993 FSP -116

MID-COURSE EXECUTION ACCURACY

SGT 1351.9 SGR 510.0 SG3 49.4
 RRT .1469 RRF -.1399 RTF -.7867
 SGB 1444.9 R23 -.0058 R13 -.7870
 SGI 1354.3 SG2 503.6 TMA 3.68

ORBIT DETERMINATION ACCURACY

ST 557.4 SR 442.0 SS 506.6
 CRT -.6480 CRS -.7180 CST .9944
 LSA 820.3 MSA 299.0 SSA 16.5
 EL1 650.2 EL2 288.6 ALF 144.93

LAUNCH DATE APR 16 1967

FLIGHT TIME 96.00

ARRIVAL DATE JUL 21 1967

HELIOCENTRIC CONIC

DISTANCE 195.095

RL 150.12 LAL -0.00 LOL 205.33 VL 21.508 GAL 21.77 AZL 91.04 MCA 67.40 SMA 101.66 ECC .57755 INC 1.0353 VI 29.681
 RP 108.79 LAP -.96 LOP 272.73 VP 33.681 GAP -35.08 AZP 90.40 TAL 161.82 TAP 229.22 RCA 42.94 APO 160.37 V2 34.835
 RC 70.227 GL -1.69 GP 3.78 ZAL 52.36 ZAP 20.86 ETS 192.70 ZAE 134.36 ETE 172.19 ZAC 147.00 ETC 36.36 CLP 20.53

PLANETOCENTRIC CONIC

C3 150.466 VHL 12.266 DLA 8.84 RAL 154.32 RAD 6570.6 VEL 16.486 PTH 2.87 VHP 20.873 DPA 27.20 RAP 115.98 ECC 3.4763
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 57 25 2983.13 -28.15 93.75 54.22 86.84 7 46 48 2363.1 -28.30 85.08
 90.00 21 9 14 5052.04 23.74 223.07 45.81 74.10 22 33 26 4452.0 21.34 215.23
 100.00 8 23 4 2886.89 -29.77 73.53 54.32 87.17 9 7 50 2086.9 -29.85 64.72
 100.00 22 26 16 4803.50 25.30 204.30 45.32 73.52 23 46 20 4203.5 22.80 196.40
 110.00 9 41 7 2442.65 -34.14 55.20 54.53 88.07 10 21 49 1842.6 -34.03 45.95
 110.00 23 24 43 4820.52 29.47 188.95 43.85 71.84 24 41 43 4020.5 26.70 180.46

DIFFERENTIAL CORRECTIONS

TDE .9582 TRA-2.6198 TC3 -.2111 BAU .4263
 RDE -.9231 RRA -.5675 RC3 .0189 FAU .01162
 FDE -.5224 FRA 1.1406 FC3 -.0669 BSP 3482
 BDE 1.3305 BRA 2.6805 BC3 .2119 FSP -122

MID-COURSE EXECUTION ACCURACY

SGT 1414.9 SGR 509.9 SG3 53.1
 RRT .1597 RRF -.1502 RTF -.7964
 SGB 1504.0 R23 -.0048 R13 -.7967
 SGI 1417.6 SG2 502.4 TMA 3.77

ORBIT DETERMINATION ACCURACY

ST 581.9 SR 438.6 SS 528.0
 CRT -.6390 CRS -.7178 CST .9933
 LSA 847.5 MSA 302.2 SSA 16.8
 EL1 666.5 EL2 294.5 ALF 147.07

LAUNCH DATE APR 16 1967

FLIGHT TIME 98.00

ARRIVAL DATE JUL 23 1967

HELIOCENTRIC CONIC

DISTANCE 201.390

RL 150.12 LAL -0.00 LOL 205.33 VL 21.918 GAL 20.89 AZL 91.20 MCA 70.57 SMA 103.06 ECC .55600 INC 1.2028 VI 29.681
 RP 108.81 LAP -1.13 LOP 275.89 VP 33.937 GAP -33.65 AZP 90.40 TAL 161.00 TAP 231.56 RCA 45.76 APO 160.36 V2 34.827
 RC 68.060 GL -2.09 GP 3.94 ZAL 51.50 ZAP 19.62 ETS 193.79 ZAE 135.05 ETE 171.30 ZAC 145.35 ETC 34.85 CLP 19.24

PLANETOCENTRIC CONIC

C3 138.647 VHL 11.775 DLA 8.14 RAL 155.00 RAD 6570.5 VEL 16.124 PTH 2.84 VHP 20.107 DPA 27.10 RAP 118.09 ECC 3.2818
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 5 34 2925.77 -28.26 91.02 53.38 88.21 7 54 20 2325.8 -28.21 82.35
 90.00 21 6 28 5059.35 23.88 223.57 45.64 74.31 22 30 47 4459.3 21.50 215.70
 100.00 8 30 51 2650.72 -29.86 70.84 53.43 88.58 9 15 1 2050.7 -29.74 62.04
 100.00 22 23 53 4809.63 25.42 204.72 45.16 73.71 23 44 2 4209.6 22.94 196.80
 110.00 9 48 4 2409.05 -34.18 52.57 53.51 89.62 10 28 13 1809.1 -33.86 43.34
 110.00 23 23 8 4624.06 29.54 189.20 43.72 71.97 24 40 12 4024.1 26.79 181.09

DIFFERENTIAL CORRECTIONS

TDE 1.0561 TRA-2.5478 TC3 -.1943 BAU .3626
 RDE -.8744 RRA -.5532 RC3 .0227 FAU .01243
 FDE -.5593 FRA 1.1633 FC3 -.0776 BSP 5828
 BDE 1.3711 BRA 2.6072 BC3 .1956 FSP -161

MID-COURSE EXECUTION ACCURACY

SGT 1429.0 SGR 507.8 SG3 56.9
 RRT .1342 RRF -.1478 RTF -.8200
 SGB 1516.5 R23 -.0224 R13 -.8206
 SGI 1430.8 SG2 502.5 TMA 3.12

ORBIT DETERMINATION ACCURACY

ST 636.7 SR 433.2 SS 559.0
 CRT -.6816 CRS -.7303 CST .9969
 LSA 906.5 MSA 289.1 SSA 16.1
 EL1 716.8 EL2 281.6 ALF 150.04

LAUNCH DATE APR 16 1967

FLIGHT TIME 100.00

ARRIVAL DATE JUL 25 1967

HELIOCENTRIC CONIC

DISTANCE 207.756

RL 150.12 LAL -0.00 LOL 205.33 VL 22.305 GAL 20.06 AZL 91.36 MCA 73.73 SMA 104.45 ECC .53510 INC 1.3640 VI 29.681
 RP 108.83 LAP -1.31 LOP 279.06 VP 34.180 GAP -32.27 AZP 90.38 TAL 160.20 TAP 233.93 RCA 48.56 APO 160.34 V2 34.820
 RC 65.936 GL -2.53 GP 4.11 ZAL 50.68 ZAP 18.40 ETS 195.05 ZAE 135.81 ETE 170.31 ZAC 143.66 ETC 33.48 CLP 17.95

PLANETOCENTRIC CONIC

C3 127.819 VHL 11.306 DLA 7.43 RAL 155.62 RAD 6570.4 VEL 15.785 PTH 2.80 VHP 19.365 DPA 26.99 RAP 120.20 ECC 3.1036
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 13 36 2887.55 -28.31 88.22 52.44 89.61 8 1 44 2287.6 -28.07 79.57
 90.00 21 3 27 5066.55 24.01 224.05 45.40 74.52 22 27 53 4466.5 21.66 216.17
 100.00 8 38 31 2613.69 -29.89 68.09 52.45 90.03 9 22 4 2013.7 -29.57 59.30
 100.00 22 21 13 4815.65 25.53 205.13 44.93 73.90 23 41 29 4215.6 23.08 197.19
 110.00 9 54 54 2374.61 -34.16 49.88 52.39 91.21 10 34 29 1774.6 -33.62 40.68
 110.00 23 21 19 4627.49 29.62 189.44 43.52 72.09 24 38 26 4027.5 26.88 181.32

DIFFERENTIAL CORRECTIONS

TDE 1.0173 TRA-2.6115 TC3 -.2158 BAU .3715
 RDE -.8296 RRA -.5416 RC3 .0261 FAU .01233
 FDE -.5771 FRA 1.2072 FC3 -.0835 BSP 4902
 BDE 1.3127 BRA 2.6671 BC3 .2174 FSP -158

MID-COURSE EXECUTION ACCURACY

SGT 1511.8 SGR 506.8 SG3 61.2
 RRT .1618 RRF -.1842 RTF -.8237
 SGB 1594.5 R23 -.0148 R13 -.8242
 SGI 1514.3 SG2 499.3 TMA 3.48

ORBIT DETERMINATION ACCURACY

ST 653.0 SR 428.6 SS 579.2
 CRT -.6559 CRS -.7252 CST .9946
 LSA 926.1 MSA 295.9 SSA 16.7
 EL1 724.6 EL2 291.5 ALF 151.73

LAUNCH DATE APR 16 1967

FLIGHT TIME 102.00

ARRIVAL DATE JUL 27 1967

HELIOCENTRIC CONIC

DISTANCE 214.175

RL 150.12 LAL -1.00 LOL 205.33 VL 22.669 GAL 19.26 AZL 91.52 MCA 76.90 SMA 105.81 ECC .51484 INC 1.5199 VI 29.681
 RP 108.85 LAP -1.48 LOP 282.22 VP 34.412 GAP -30.95 AZP 90.34 TAL 159.42 TAP 236.31 RCA 51.34 APO 160.29 V2 34.813
 RC 63.861 GL -3.00 GP 4.29 ZAL 49.90 ZAP 17.20 ETS 196.56 ZAE 136.67 ETE 169.23 ZAC 141.94 ETC 32.23 CLP 16.67

PLANETOCENTRIC CONIC

C3 117.847 VHL 10.853 DLA 6.71 RAL 156.20 RAD 6570.2 VEL 15.466 PTH 2.76 VMP 18.645 OPA 26.87 RAP 122.32 ECC 2.9395
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 21 29 2848.43 -28.30 85.36 51.39 91.04 8 8 58 2248.4 -27.86 76.73
 90.00 21 0 8 5073.58 24.14 224.53 45.07 74.73 22 24 41 4473.6 21.81 216.63
 100.00 8 46 2 2575.75 -29.86 65.27 51.35 91.51 9 28 58 1975.8 -29.33 56.50
 100.00 22 18 16 4821.49 25.64 205.53 44.61 74.08 23 38 38 4221.5 23.21 197.57
 110.00 10 1 35 2339.28 -34.08 47.13 51.16 92.84 10 40 35 1739.3 -33.31 37.97
 110.00 23 19 12 4630.73 29.68 189.67 43.23 72.21 24 36 23 4030.7 26.96 181.54

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0159 TRA-2.6353 TC3 -.2264 BAU .3598 SGT 1578.1 SGR 504.7 SG3 65.8 ST 681.3 SR 422.6 SS 603.6
 ROE -.7845 RRA -.5290 RC3 .0301 FAU .01251 RRT .1753 RRF -.1766 RTF -.8324 CRT -.6481 CRS -.7245 CST .9938
 FDE -.6016 FRA 1.2469 FC3 -.0919 BSP .4897 SGB 1656.9 R23 -.0149 R13 -.8328 LSA 958.6 MSA 296.5 SSA 16.9
 BOE 1.2835 BRA 2.6879 BC3 .2284 FSP -168 SGI 1580.9 SG2 496.0 TMA 3.56 ELI 745.9 EL2 293.9 ALF 153.72

LAUNCH DATE APR 16 1967

FLIGHT TIME 104.00

ARRIVAL DATE JUL 29 1967

HELIOCENTRIC CONIC

DISTANCE 220.644

RL 150.12 LAL -1.00 LOL 205.33 VL 23.012 GAL 18.50 AZL 91.67 MCA 80.06 SMA 107.15 ECC .49522 INC 1.6718 VI 29.681
 RP 108.87 LAP -1.65 LOP 285.38 VP 34.633 GAP -29.67 AZP 90.29 TAL 158.66 TAP 238.72 RCA 54.09 APO 160.22 V2 34.807
 RC 61.839 GL -3.50 GP 4.50 ZAL 49.18 ZAP 16.02 ETS 198.34 ZAE 137.61 ETE 168.02 ZAC 140.20 ETC 31.09 CLP 15.39

PLANETOCENTRIC CONIC

C3 108.674 VHL 10.425 DLA 5.97 RAL 156.71 RAD 6570.1 VEL 15.166 PTH 2.72 VMP 17.944 OPA 26.73 RAP 124.43 ECC 2.7885
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 29 15 2808.35 -28.22 82.43 50.24 92.51 8 16 3 2208.4 -27.57 73.83
 90.00 20 56 30 5080.57 24.26 225.00 44.67 74.93 22 21 10 4480.6 21.96 217.09
 100.00 8 53 25 2536.87 -29.75 62.38 50.16 93.03 9 35 42 1936.9 -29.02 53.66
 100.00 22 15 1 4827.29 25.75 205.93 44.22 74.26 23 35 28 4227.3 23.34 197.96
 110.00 10 8 8 2303.03 -33.92 44.31 49.83 94.50 10 46 31 1703.0 -32.93 35.21
 110.00 23 16 47 4633.89 29.75 189.89 42.86 72.33 24 34 1 4033.9 27.04 181.75

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0268 TRA-2.6442 TC3 -.2322 BAU .3411 SGT 1639.5 SGR 501.8 SG3 70.7 ST 714.7 SR 415.4 SS 630.2
 ROE -.7398 RRA -.5180 RC3 .0347 FAU .01282 RRT .1850 RRF -.1883 RTF -.8424 CRT -.6465 CRS -.7249 CST .9935
 FDE -.8298 FRA 1.2880 FC3 -.1021 BSP .5209 SGB 1714.6 R23 -.0174 R13 -.8429 LSA 996.8 MSA 294.5 SSA 16.9
 BOE 1.2654 BRA 2.6940 BC3 .2348 FSP -184 SGI 1642.4 SG2 492.3 TMA 3.56 ELI 773.0 EL2 293.1 ALF 155.69

LAUNCH DATE APR 16 1967

FLIGHT TIME 106.00

ARRIVAL DATE JUL 31 1967

HELIOCENTRIC CONIC

DISTANCE 227.158

RL 150.12 LAL -1.00 LOL 205.33 VL 23.336 GAL 17.76 AZL 91.82 MCA 83.22 SMA 108.47 ECC .47628 INC 1.8207 VI 29.681
 RP 108.89 LAP -1.81 LOP 288.54 VP 34.844 GAP -28.44 AZP 90.21 TAL 157.93 TAP 241.15 RCA 56.81 APO 160.13 V2 34.802
 RC 59.876 GL -4.04 GP 4.72 ZAL 48.50 ZAP 14.87 ETS 200.49 ZAE 138.63 ETE 166.68 ZAC 138.43 ETC 30.05 CLP 14.12

PLANETOCENTRIC CONIC

C3 100.249 VHL 10.012 DLA 5.20 RAL 157.18 RAD 6569.9 VEL 14.886 PTH 2.69 VMP 17.264 OPA 26.59 RAP 126.55 ECC 2.6498
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 36 54 2767.29 -28.06 79.44 49.00 94.00 8 23 2 2167.3 -27.21 70.88
 90.00 20 52 32 5087.66 24.39 225.48 44.19 75.15 22 17 19 4487.7 22.11 217.55
 100.00 9 0 42 2497.02 -29.57 59.43 48.87 94.57 9 42 19 1897.0 -28.63 50.76
 100.00 22 11 25 4833.17 25.85 206.33 43.75 74.45 23 31 58 4233.2 23.47 198.34
 110.00 10 14 34 2265.85 -33.69 41.43 48.41 96.19 10 52 20 1665.8 -32.46 32.41
 110.00 23 14 3 4637.11 29.81 190.12 42.42 72.45 24 31 20 4037.1 27.13 181.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0298 TRA-2.6586 TC3 -.2402 BAU .3263 SGT 1706.6 SGR 498.4 SG3 76.1 ST 746.7 SR 407.4 SS 657.2
 ROE -.6956 RRA -.5031 RC3 .0398 FAU .01309 RRT .1984 RRF -.2024 RTF -.8510 CRT -.6406 CRS -.7240 CST .9928
 FDE -.6578 FRA 1.3280 FC3 -.1131 BSP .5349 SGB 1777.9 R23 -.0189 R13 -.8515 LSA 1034.1 MSA 293.0 SSA 17.0
 BOE 1.2427 BRA 2.7058 BC3 .2434 FSP -198 SGI 1709.7 SG2 487.6 TMA 3.61 ELI 798.7 EL2 292.4 ALF 157.57

LAUNCH DATE APR 16 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 2 1967

HELIOCENTRIC CONIC

DISTANCE 233.715

RL 150.12 LAL -1.00 LOL 205.33 VL 23.640 GAL 17.06 AZL 91.97 MCA 86.38 SMA 109.75 ECC .45802 INC 1.9677 VI 29.681
 RP 108.90 LAP -1.96 LOP 291.71 VP 35.044 GAP -27.26 AZP 90.12 TAL 157.22 TAP 243.60 RCA 59.48 APO 160.01 V2 34.797
 RC 57.979 GL -4.63 GP 4.97 ZAL 47.87 ZAP 13.76 ETS 203.07 ZAE 139.75 ETE 165.18 ZAC 136.64 ETC 29.11 CLP 12.85

PLANETOCENTRIC CONIC

C3 92.513 VHL 9.618 DLA 4.41 RAL 157.98 RAD 6569.8 VEL 14.624 PTH 2.65 VMP 16.604 OPA 26.44 RAP 128.67 ECC 2.5225
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 44 29 2725.20 -27.82 76.38 47.66 95.51 8 29 54 2125.2 -26.76 67.88
 90.00 20 48 12 5094.99 24.51 225.98 43.63 75.36 22 13 7 4495.0 22.26 218.04
 100.00 9 7 53 2456.15 -29.31 56.42 47.69 96.13 9 48 49 1856.2 -28.15 47.81
 100.00 22 7 28 4839.27 25.97 206.75 43.20 74.64 23 28 8 4239.3 23.61 198.75
 110.00 10 20 53 2227.70 -33.37 38.50 46.90 97.90 10 58 1 1627.7 -31.92 29.57
 110.00 23 10 58 4640.48 29.88 190.36 41.90 72.57 24 28 19 4040.5 27.21 182.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0337 TRA-2.6898 TC3 -.2471 BAU .3107 SGT 1774.6 SGR 494.4 SG3 81.9 ST 780.0 SR 398.3 SS 685.6
 ROE -.6521 RRA -.4904 RC3 .0455 FAU .01341 RRT .2127 RRF -.2178 RTF -.8592 CRT -.6347 CRS -.7226 CST .9922
 FDE -.6879 FRA 1.3716 FC3 -.1255 BSP .5525 SGB 1842.1 R23 -.0210 R13 -.8597 LSA 1075.5 MSA 290.6 SSA 17.2
 BOE 1.2222 BRA 2.7143 BC3 .2512 FSP -214 SGI 1777.9 SG2 482.1 TMA 3.66 ELI 826.2 EL2 290.6 ALF 159.58

LAUNCH DATE APR 16 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 4 1967

HELIOCENTRIC CONIC

DISTANCE 240.307

RL 150.12 LAL -0.00 LOL 205.33 VL 23.926 GAL 16.39 AZL 92.11 MCA 89.54 SMA 111.00 ECC .44044 INC 2.1136 VI 29.681
 RP 108.92 LAP -2.11 LOP 294.87 VP 35.233 GAP -26.11 AZP 90.02 TAL 156.54 TAP 246.08 RCA 62.11 APO 159.89 V2 34.793
 RC 56.154 GL -5.26 GP 5.24 ZAL 47.30 ZAP 12.69 ETS 206.22 ZAE 140.95 ETE 163.48 ZAC 134.83 ETC 28.24 CLP 11.57

PLANETOCENTRIC CONIC

C3 85.415 VML 9.242 DLA 3.60 RAL 157.93 RAD 6569.7 VEL 14.379 PTH 2.61 VMP 15.963 OPA 26.29 RAP 130.79 ECC 2.4057
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 51 59 2682.04 -27.50 73.27 46.24 97.04 8 36 41 2082.0 -26.24 64.83
 90.00 20 43 29 5102.69 24.65 226.51 43.01 75.60 22 8 32 4502.7 22.43 218.54
 100.00 9 15 0 2414.24 -28.97 53.36 46.03 97.71 9 55 14 1814.2 -27.60 44.82
 100.00 22 3 9 4845.72 26.08 207.20 42.59 74.05 23 23 54 4245.7 23.75 199.17
 110.00 10 27 6 2188.57 -32.96 35.51 45.32 99.62 11 3 35 1588.6 -31.28 26.69
 110.00 23 7 32 4644.16 29.96 190.62 41.31 72.71 24 24 56 4044.2 27.30 182.44

DIFFERENTIAL CORRECTIONS

TDE 1.0404 TRA-2.6754 TC3 -.2517 BAU .2934
 RDE -.6091 RRA -.4780 RC3 .0518 FAU .01378
 FDE -.7206 FRA 1.4166 FC3 -.1397 BSP 5785
 BDE 1.2056 BRA 2.7178 BC3 .2569 FSP -233

MID-COURSE EXECUTION ACCURACY

SGT 1842.4 SGR 489.8 SG3 88.1
 RRT .2276 RRF -.2347 RTF -.8676
 SGB 1906.4 R23 -.0238 R13 -.8681
 SGI 1846.0 SG2 476.0 TMA 3.71

ORBIT DETERMINATION ACCURACY

ST 815.3 SR 388.0 SS 715.8
 CRT -.6297 CRS -.7209 CST .9918
 LSA 1115.8 MSA 287.1 SSA 17.2
 EL1 856.1 EL2 287.1 ALF 161.12

LAUNCH DATE APR 16 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 6 1967

HELIOCENTRIC CONIC

DISTANCE 246.933

RL 150.12 LAL -0.00 LOL 205.33 VL 24.195 GAL 15.75 AZL 92.26 MCA 92.70 SMA 112.21 ECC .42355 INC 2.2593 VI 29.681
 RP 108.93 LAP -2.26 LOP 298.03 VP 35.414 GAP -25.01 AZP 89.89 TAL 155.89 TAP 248.59 RCA 64.69 APO 159.74 V2 34.790
 RC 54.407 GL -5.93 GP 5.54 ZAL 46.78 ZAP 11.68 ETS 210.07 ZAE 142.23 ETE 161.57 ZAC 133.01 ETC 27.45 CLP 10.30

PLANETOCENTRIC CONIC

C3 78.911 VML 8.883 DLA 2.75 RAL 158.22 RAD 6569.5 VEL 14.151 PTH 2.58 VMP 15.341 OPA 26.15 RAP 132.90 ECC 2.2987
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 59 26 2637.77 -27.09 70.09 44.75 98.59 8 43 24 2037.8 -25.62 61.73
 90.00 20 38 20 5110.96 24.78 227.08 42.32 75.85 22 3 31 4511.0 22.60 219.09
 100.00 9 22 3 2371.25 -28.54 50.23 44.50 99.30 10 1 35 1771.3 -26.96 41.79
 100.00 21 58 24 4852.70 26.20 207.68 41.91 75.08 23 19 17 4252.7 23.90 199.64
 110.00 10 33 15 2148.43 -32.46 32.49 43.67 101.34 11 9 3 1548.4 -30.56 23.79
 110.00 23 3 42 4648.29 30.04 190.91 40.66 72.67 24 21 10 4048.3 27.40 182.71

DIFFERENTIAL CORRECTIONS

TDE 1.0468 TRA-2.8793 TC3 -.2552 BAU .2763
 RDE -.5867 RRA -.4661 RC3 .0588 FAU .01419
 FDE -.7556 FRA 1.4638 FC3 -.1557 BSP 6044
 BDE 1.1904 BRA 2.7195 BC3 .2619 FSP -253

MID-COURSE EXECUTION ACCURACY

SGT 1911.7 SGR 484.9 SG3 94.9
 RRT .2444 RRF -.2558 RTF -.8754
 SGB 1972.3 R23 -.0270 R13 -.8760
 SGI 1915.6 SG2 469.2 TMA 3.77

ORBIT DETERMINATION ACCURACY

ST 851.7 SR 376.5 SS 747.4
 CRT -.6236 CRS -.7183 CST .9913
 LSA 1160.0 MSA 283.0 SSA 17.3
 EL1 887.4 EL2 282.5 ALF 162.79

LAUNCH DATE APR 16 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 8 1967

HELIOCENTRIC CONIC

DISTANCE 253.587

RL 150.12 LAL -0.00 LOL 205.33 VL 24.448 GAL 15.14 AZL 92.41 MCA 95.86 SMA 113.39 ECC .40734 INC 2.4058 VI 29.681
 RP 108.93 LAP -2.39 LOP 301.19 VP 35.584 GAP -23.94 AZP 89.75 TAL 155.27 TAP 251.13 RCA 67.20 APO 159.58 V2 34.787
 RC 52.748 GL -6.66 GP 5.87 ZAL 46.32 ZAP 10.75 ETS 214.79 ZAE 143.59 ETE 159.39 ZAC 131.17 ETC 26.73 CLP 9.02

PLANETOCENTRIC CONIC

C3 72.956 VML 8.541 DLA 1.88 RAL 158.45 RAD 6569.4 VEL 13.939 PTH 2.54 VMP 14.738 OPA 26.01 RAP 135.02 ECC 2.2007
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 6 52 2592.34 -26.58 66.86 43.20 100.13 8 50 4 1992.3 -24.91 58.58
 90.00 20 32 44 5119.98 24.93 227.69 41.57 76.12 21 58 4 4520.0 22.78 219.69
 100.00 9 29 5 2327.15 -28.01 47.06 42.90 100.89 10 7 52 1727.1 -26.22 38.72
 100.00 21 53 12 4860.40 26.34 208.21 41.17 75.33 23 14 13 4260.4 24.06 200.15
 110.00 10 39 20 2107.27 -31.87 29.42 41.95 103.07 11 14 27 1507.3 -29.75 20.86
 110.00 22 59 26 4653.05 30.14 191.25 39.95 73.05 24 17 0 4053.0 27.52 183.04

DIFFERENTIAL CORRECTIONS

TDE 1.0531 TRA-2.6807 TC3 -.2573 BAU .2592
 RDE -.5248 RRA -.4548 RC3 .0666 FAU .01464
 FDE -.7932 FRA 1.5134 FC3 -.1737 BSP 6307
 BDE 1.1767 BRA 2.7190 BC3 .2657 FSP -275

MID-COURSE EXECUTION ACCURACY

SGT 1982.3 SGR 479.6 SG3 102.3
 RRT .2635 RRF -.2754 RTF -.8829
 SGB 2039.5 R23 -.0305 R13 -.8835
 SGI 1986.5 SG2 461.7 TMA 3.86

ORBIT DETERMINATION ACCURACY

ST 889.1 SR 363.8 SS 780.8
 CRT -.6162 CRS -.7145 CST .9908
 LSA 1206.1 MSA 278.4 SSA 17.3
 EL1 919.9 EL2 276.9 ALF 164.40

LAUNCH DATE APR 16 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 10 1967

HELIOCENTRIC CONIC

DISTANCE 260.267

RL 150.12 LAL -0.00 LOL 205.33 VL 24.686 GAL 14.55 AZL 92.55 MCA 99.02 SMA 114.54 ECC .39182 INC 2.5539 VI 29.681
 RP 108.94 LAP -2.52 LOP 304.35 VP 35.746 GAP -22.91 AZP 89.60 TAL 154.68 TAP 253.69 RCA 69.66 APO 159.41 V2 34.786
 RC 51.183 GL -7.45 GP 6.23 ZAL 45.93 ZAP 9.92 ETS 220.55 ZAE 145.01 ETE 156.89 ZAC 129.32 ETC 26.07 CLP 7.74

PLANETOCENTRIC CONIC

C3 67.513 VML 8.217 DLA .96 RAL 158.62 RAD 6569.3 VEL 13.743 PTH 2.51 VMP 14.153 OPA 25.88 RAP 137.13 ECC 2.1111
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 14 18 2545.70 -25.98 63.58 41.58 101.67 8 56 44 1945.7 -24.11 55.41
 90.00 20 26 38 5129.97 25.09 228.38 40.77 76.43 21 52 7 4530.0 22.98 220.35
 100.00 9 36 6 2281.88 -27.39 43.84 41.25 102.48 10 14 8 1681.9 -25.39 35.61
 100.00 21 47 31 4869.03 26.49 208.81 40.38 75.61 23 8 40 4269.0 24.25 200.72
 110.00 10 45 22 2065.05 -31.18 26.33 40.20 104.78 11 19 47 1465.0 -28.84 17.91
 110.00 22 54 44 4658.62 30.25 191.65 39.19 73.26 24 12 23 4058.6 27.66 183.41

DIFFERENTIAL CORRECTIONS

TDE 1.0592 TRA-2.6803 TC3 -.2580 BAU .2426
 RDE -.4833 RRA -.4443 RC3 .0751 FAU .01513
 FDE -.8337 FRA 1.5656 FC3 -.1940 BSP 6570
 BDE 1.1643 BRA 2.7170 BC3 .2688 FSP -299

MID-COURSE EXECUTION ACCURACY

SGT 2054.3 SGR 474.2 SG3 110.4
 RRT .2854 RRF -.3000 RTF -.8900
 SGB 2108.3 R23 -.0345 R13 -.8906
 SGI 2058.9 SG2 453.4 TMA 3.96

ORBIT DETERMINATION ACCURACY

ST 927.5 SR 349.6 SS 816.0
 CRT -.6070 CRS -.7091 CST .9903
 LSA 1254.4 MSA 273.2 SSA 17.4
 EL1 953.6 EL2 270.2 ALF 165.96

LAUNCH DATE APR 16 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 266.967

RL 150.12 LAL -.00 LOL 205.33 VL 24.909 GAL 13.98 AZL 92.70 MCA 102.17 SMA 115.64 ECC .37697 INC 2.7046 V1 29.681
 RP 108.94 LAP -2.64 LOP 307.52 VP 35.899 GAP -21.91 AZP 89.43 TAL 154.11 TAP 256.29 RCA 72.05 APO 159.23 V2 34.784
 RC 49.723 GL -8.29 GP 6.63 ZAL 45.59 ZAP 9.24 ETS 227.49 ZAE 146.48 ETE 154.02 ZAC 127.46 ETC 25.47 CLP 6.44

PLANETOCENTRIC CONIC

C3 62.545 VML 7.909 OLA .01 RAL 158.72 RAD 6569.2 VEL 13.561 PTH 2.48 VMP 13.586 DPA 25.77 RAP 139.23 ECC 2.0293
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 21 47 2497.80 -25.28 60.25 39.93 103.20 9 3 25 1897.8 -23.21 52.19
 90.00 20 19 58 5141.18 25.27 229.16 39.92 76.78 21 45 39 4541.2 23.20 221.10
 100.00 9 43 8 2235.40 -26.66 40.58 39.56 104.05 10 20 23 1635.4 -24.46 32.47
 100.00 21 41 18 4878.81 26.65 209.49 39.55 75.93 23 2 37 4278.8 24.45 201.38
 110.00 10 51 23 2021.75 -30.39 23.20 38.40 106.47 11 25 5 1421.8 -27.83 14.94
 110.00 22 49 32 4665.23 30.38 192.12 38.39 73.51 24 7 18 4065.2 27.82 183.86

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0658 TRA-2.6777 TC3 -.2569 BAU .2262 SGT 2127.1 SGR 468.8 SG3 119.1 ST 967.0 SR 334.0 SS 853.4
 RDE -.4422 RRA -.4349 RC3 .0843 FAU .01566 RRT .3104 RRF -.3282 RTF -.8967 CRT -.5957 CRS -.7016 CST .9899
 FDE -.8777 FRA 1.6207 FC3 -.2168 BSP .6837 SGB 2178.2 R23 -.0390 R13 -.8973 LSA 1305.0 MSA 267.4 SSA 17.4
 BDE 1.1539 BRA 2.7128 BC3 .2705 FSP -.325 SGI 2132.3 SG2 444.5 TMA 4.09 ELI 988.8 EL2 262.4 ALF 167.48

LAUNCH DATE APR 16 1967

FLIGHT TIME 120.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 273.685

RL 150.12 LAL -.00 LOL 205.33 VL 25.118 GAL 13.45 AZL 92.86 MCA 105.33 SMA 116.71 ECC .36279 INC 2.8590 V1 29.681
 RP 108.94 LAP -2.76 LOP 310.68 VP 36.045 GAP -20.94 AZP 89.24 TAL 153.58 TAP 258.91 RCA 74.37 APO 159.04 V2 34.784
 RC 48.377 GL -9.21 GP 7.08 ZAL 45.33 ZAP 8.74 ETS 235.64 ZAE 147.97 ETE 150.70 ZAC 125.59 ETC 24.92 CLP 5.14

PLANETOCENTRIC CONIC

C3 58.020 VML 7.617 OLA -.99 RAL 158.76 RAD 6569.1 VEL 13.393 PTH 2.45 VMP 13.037 DPA 25.69 RAP 141.34 ECC 1.9549
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 29 20 2448.56 -24.47 56.87 38.23 104.71 9 10 8 1848.6 -22.21 48.92
 90.00 20 12 43 5153.88 25.47 230.03 39.03 77.18 21 38 36 4553.9 23.45 221.95
 100.00 9 50 13 2187.66 -25.83 37.28 37.83 105.60 10 26 40 1587.7 -23.44 29.29
 100.00 21 34 31 4890.02 26.83 210.27 38.87 76.31 22 56 1 4290.0 24.68 202.13
 110.00 10 57 24 1977.34 -29.49 20.06 36.58 108.13 11 30 22 1377.3 -26.73 11.96
 110.00 22 43 49 4673.10 30.53 192.88 37.55 73.81 24 1 42 4073.1 28.01 184.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0725 TRA-2.6731 TC3 -.2541 BAU .2104 SGT 2201.1 SGR 463.7 SG3 128.6 ST 1007.4 SR 316.8 SS 893.0
 RDE -.4012 RRA -.4268 RC3 .0949 FAU .01623 RRT .3393 RRF -.3603 RTF -.9030 CRT -.5809 CRS -.6911 CST .9894
 FDE -.9257 FRA 1.6790 FC3 -.2422 BSP .7097 SGB 2249.4 R23 -.0441 R13 -.9037 LSA 1358.0 MSA 261.2 SSA 17.4
 BDE 1.1451 BRA 2.7070 BC3 .2712 FSP -.354 SGI 2207.0 SG2 435.1 TMA 4.25 ELI 1025.2 EL2 253.4 ALF 168.97

LAUNCH DATE APR 16 1967

FLIGHT TIME 122.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 280.418

RL 150.12 LAL -.00 LOL 205.33 VL 25.314 GAL 12.93 AZL 93.02 MCA 108.49 SMA 117.73 ECC .34927 INC 3.0181 V1 29.681
 RP 108.94 LAP -2.86 LOP 313.84 VP 36.182 GAP -20.01 AZP 89.04 TAL 153.09 TAP 261.57 RCA 76.61 APO 158.85 V2 34.784
 RC 47.155 GL -10.19 GP 7.59 ZAL 45.13 ZAP 8.49 ETS 244.81 ZAE 149.44 ETE 146.86 ZAC 123.71 ETC 24.42 CLP 3.82

PLANETOCENTRIC CONIC

C3 53.907 VML 7.342 OLA -2.04 RAL 158.72 RAD 6568.9 VEL 13.239 PTH 2.42 VMP 12.505 DPA 25.64 RAP 143.44 ECC 1.8872
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 37 0 2397.91 -23.55 53.44 36.52 106.19 9 16 57 1797.9 -21.11 45.62
 90.00 20 4 47 5168.36 25.68 231.04 38.11 77.64 21 30 56 4568.4 23.72 222.92
 100.00 9 57 23 2138.58 -24.89 33.93 36.08 107.12 10 33 2 1538.6 -22.31 26.08
 100.00 21 27 5 4902.93 27.04 211.18 37.77 76.74 22 48 48 4302.9 24.94 203.00
 110.00 11 3 27 1931.76 -28.48 16.90 34.74 109.76 11 35 39 1331.8 -25.52 8.97
 110.00 22 37 30 4682.50 30.70 193.36 36.68 74.18 23 55 33 4082.5 28.23 185.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0795 TRA-2.6665 TC3 -.2492 BAU .1952 SGT 2275.7 SGR 459.3 SG3 139.0 ST 1048.8 SR 297.9 SS 935.1
 RDE -.3602 RRA -.4202 RC3 .1062 FAU .01685 RRT .3724 RRF -.3970 RTF -.9090 CRT -.5614 CRS -.6764 CST .9889
 FDE -.9781 FRA 1.7408 FC3 -.2707 BSP .7353 SGB 2321.6 R23 -.0499 R13 -.9098 LSA 1413.5 MSA 254.7 SSA 17.4
 BDE 1.1380 BRA 2.6994 BC3 .2709 FSP -.385 SGI 2282.4 SG2 425.0 TMA 4.45 ELI 1062.8 EL2 243.3 ALF 170.44

LAUNCH DATE APR 16 1967

FLIGHT TIME 124.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 287.162

RL 150.12 LAL -.00 LOL 205.33 VL 25.498 GAL 12.44 AZL 93.18 MCA 111.65 SMA 118.71 ECC .33639 INC 3.1831 V1 29.681
 RP 108.94 LAP -2.96 LOP 317.00 VP 36.312 GAP -19.10 AZP 88.82 TAL 152.62 TAP 264.27 RCA 78.78 APO 158.65 V2 34.785
 RC 46.068 GL -11.26 GP 8.15 ZAL 45.02 ZAP 8.52 ETS 254.51 ZAE 150.85 ETE 142.43 ZAC 121.82 ETC 23.96 CLP 2.49

PLANETOCENTRIC CONIC

C3 50.181 VML 7.084 OLA -3.15 RAL 158.62 RAD 6568.8 VEL 13.097 PTH 2.39 VMP 11.992 DPA 25.62 RAP 145.55 ECC 1.8259
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 44 49 2345.73 -22.52 49.96 34.78 107.63 9 23 55 1745.7 -19.90 42.27
 90.00 19 56 8 5184.97 25.92 232.20 37.17 78.18 21 22 33 4585.0 24.03 224.04
 100.00 10 4 41 2088.07 -23.83 30.55 34.32 108.60 10 39 29 1488.1 -21.07 22.84
 100.00 21 18 56 4917.87 27.27 212.23 36.84 77.25 22 40 54 4317.9 25.24 204.02
 110.00 11 9 34 1884.98 -27.36 13.72 32.90 111.34 11 40 59 1285.0 -24.21 5.96
 110.00 22 30 33 4693.72 30.91 194.17 35.80 74.61 23 48 47 4093.7 28.49 185.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0878 TRA-2.6576 TC3 -.2419 BAU .1807 SGT 2330.7 SGR 456.1 SG3 150.3 ST 1091.4 SR 277.1 SS 980.2
 RDE -.3190 RRA -.4154 RC3 .1188 FAU .01752 RRT .4102 RRF -.4388 RTF -.9146 CRT -.5351 CRS -.6554 CST .9884
 FDE-1.0380 FRA 1.8063 FC3 -.3023 BSP .7611 SGB 2394.6 R23 -.0565 R13 -.9155 LSA 1472.1 MSA 247.8 SSA 17.3
 BDE 1.1336 BRA 2.6899 BC3 .2894 FSP -.419 SGI 2358.4 SG2 414.6 TMA 4.70 ELI 1101.9 EL2 231.8 ALF 171.90

LAUNCH DATE APR 16 1967

FLIGHT TIME 126.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 293.915

RL 150.12 LAL -1.00 LOL 205.33 VL 25.670 GAL 11.97 AZL 93.36 MCA 114.80 SMA 119.65 ECC .32415 INC 3.3556 V1 29.681
 RP 108.93 LAP -3.05 LOP 320.17 VP 36.434 GAP -18.23 AZP 88.59 TAL 152.19 TAP 266.99 RCA 80.87 APO 158.44 V2 34.787
 RC 45.125 GL -12.41 GP 18.79 ZAL 44.99 ZAP 8.86 ETS 264.06 ZAE 152.14 ETE 137.33 ZAC 119.92 ETC 23.54 CLP 1.14

PLANETOCENTRIC CONIC

C3 46.816 VML 6.842 DLA -4.32 RAL 158.44 RAD 6568.7 VEL 12.968 PTH 2.36 VMP 11.495 DPA 25.67 RAP 147.65 ECC 1.7705
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 52 51 2291.91 -21.37 46.44 33.05 109.04 9 31 3 1691.9 -18.57 38.88
 90.00 19 46 39 5204.10 26.18 233.54 36.22 78.80 21 13 24 4604.1 24.37 225.34
 100.00 10 12 11 2036.04 -22.66 27.13 32.55 110.04 10 46 7 1436.0 -19.72 19.56
 100.00 21 10 1 4935.20 27.52 213.45 35.90 77.84 22 32 17 4335.2 25.57 205.20
 110.00 11 15 47 1836.92 -26.13 10.52 31.06 112.87 11 46 24 1236.9 -22.80 2.94
 110.00 22 22 55 4707.08 31.15 195.14 34.91 75.14 23 41 22 4107.1 28.79 186.72

DIFFERENTIAL CORRECTIONS

TDE 1.0971 TRA-2.6469 TC3 -.2320 BAU .1671
 RDE -.2772 RRA -.4128 RC3 .1321 FAU .01824
 FDE-1.1001 FRA 1.8760 FC3 -.3374 BSP 7865
 BDE 1.1316 BRA 2.6789 BC3 .2670 FSP -456

MID-COURSE EXECUTION ACCURACY

SGT 2426.0 SGR 454.7 SG3 162.6
 RRT .4532 RRF -.4857 RTF -.9200
 SGB 2468.3 R23 -.0639 R13 -.9210
 SG1 2435.0 SG2 403.8 TMA 4.99

ORBIT DETERMINATION ACCURACY

ST 1135.2 SR 254.4 SS 1028.4
 CRT -.4984 CRS -.6248 CST .9880
 LSA 1535.9 MSA 240.7 SSA 17.2
 EL1 1142.6 EL2 219.1 ALF 173.38

LAUNCH DATE APR 16 1967

FLIGHT TIME 128.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 300.672

RL 150.12 LAL -1.00 LOL 205.33 VL 25.831 GAL 11.52 AZL 93.54 MCA 117.96 SMA 120.55 ECC .31252 INC 3.5371 V1 29.681
 RP 108.93 LAP -3.12 LOP 323.34 VP 36.550 GAP -17.38 AZP 88.34 TAL 151.79 TAP 269.75 RCA 82.88 APO 158.23 V2 34.790
 RC 44.335 GL -13.65 GP 9.50 ZAL 45.03 ZAP 9.51 ETS 272.80 ZAE 153.23 ETE 131.55 ZAC 118.02 ETC 23.17 CLP -.24

PLANETOCENTRIC CONIC

C3 43.791 VML 6.618 DLA -5.55 RAL 158.18 RAD 6568.7 VEL 12.851 PTH 2.34 VMP 11.017 DPA 25.77 RAP 149.77 ECC 1.7207
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 1 11 2236.27 -20.09 42.86 31.32 110.39 9 38 27 1636.3 -17.13 35.43
 90.00 19 38 16 5228.17 26.46 235.09 35.26 79.53 21 3 22 4626.2 24.75 226.85
 100.00 10 19 54 1982.34 -21.36 23.67 30.80 111.42 10 52 56 1382.3 -18.27 16.24
 100.00 21 0 14 4955.34 27.80 214.89 34.97 78.55 22 22 49 4355.3 25.94 206.58
 110.00 11 22 8 1787.50 -24.78 7.31 29.24 114.34 11 51 56 1187.5 -21.28 359.91
 110.00 22 14 30 4722.94 31.42 196.29 34.02 75.78 23 33 13 4122.9 29.14 187.83

DIFFERENTIAL CORRECTIONS

TDE 1.1125 TRA-2.6305 TC3 -.2175 BAU .1537
 RDE -.2344 RRA -.4126 RC3 .1470 FAU .01908
 FDE-1.1726 FRA 1.9484 FC3 -.3772 BSP 8147
 BDE 1.1369 BRA 2.6626 BC3 .2625 FSP -499

MID-COURSE EXECUTION ACCURACY

SGT 2499.4 SGR 455.9 SG3 176.1
 RRT .5001 RRF -.5376 RTF -.9253
 SGB 2540.6 R23 -.0729 R13 -.9264
 SG1 2510.0 SG2 393.1 TMA 5.34

ORBIT DETERMINATION ACCURACY

ST 1182.9 SR 229.8 SS 1080.9
 CRT -.4473 CRS -.5794 CST .9878
 LSA 1601.9 MSA 232.7 SSA 17.1
 EL1 1187.5 EL2 204.7 ALF 174.88

LAUNCH DATE APR 16 1967

FLIGHT TIME 130.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 307.434

RL 150.12 LAL -1.00 LOL 205.33 VL 25.981 GAL 11.10 AZL 93.73 MCA 121.12 SMA 121.41 ECC .30150 INC 3.7296 V1 29.681
 RP 108.92 LAP -3.19 LOP 326.50 VP 36.659 GAP -16.55 AZP 88.07 TAL 151.42 TAP 272.54 RCA 84.80 APO 158.02 V2 34.793
 RC 43.707 GL -14.99 GP 10.32 ZAL 45.21 ZAP 10.44 ETS 280.32 ZAE 154.04 ETE 125.11 ZAC 116.10 ETC 22.83 CLP -1.63

PLANETOCENTRIC CONIC

C3 41.090 VML 6.410 DLA -6.87 RAL 157.84 RAD 6568.6 VEL 12.746 PTH 2.32 VMP 10.556 DPA 25.96 RAP 151.89 ECC 1.6762
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 9 53 2178.64 -18.68 39.22 29.62 111.68 9 46 12 1578.6 -15.57 31.92
 90.00 19 24 51 5251.71 26.76 236.90 34.31 80.39 20 52.23 4651.7 25.16 228.60
 100.00 10 27 57 1926.81 -19.94 20.15 29.08 112.74 11 0 4 1326.8 -16.69 12.87
 100.00 20 49 28 4978.77 28.11 216.56 34.04 79.58 22 12 27 4378.8 26.35 208.20
 110.00 11 28 42 1736.62 -23.31 4.09 27.44 115.74 11 57 38 1136.6 -19.66 356.86
 110.00 22 5 13 4741.73 31.72 197.67 33.15 76.54 23 24 15 4141.7 29.55 189.14

DIFFERENTIAL CORRECTIONS

TDE 1.1255 TRA-2.6155 TC3 -.2017 BAU .1425
 RDE -.1902 RRA -.4156 RC3 .1629 FAU .01989
 FDE-1.2522 FRA 2.0270 FC3 -.4191 BSP 8454
 BDE 1.1415 BRA 2.6484 BC3 .2593 FSP -543

MID-COURSE EXECUTION ACCURACY

SGT 2573.7 SGR 461.0 SG3 190.7
 RRT .5529 RRF -.5943 RTF -.9302
 SGB 2614.6 R23 -.0821 R13 -.9316
 SG1 2586.5 SG2 382.2 TMA 5.78

ORBIT DETERMINATION ACCURACY

ST 1229.3 SR 203.8 SS 1136.5
 CRT -.3663 CRS -.5068 CST .9875
 LSA 1671.3 MSA 225.5 SSA 16.8
 EL1 1231.8 EL2 189.3 ALF 176.44

LAUNCH DATE APR 16 1967

FLIGHT TIME 132.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 314.195

RL 150.12 LAL -1.00 LOL 205.33 VL 26.121 GAL 10.69 AZL 93.94 MCA 124.28 SMA 122.23 ECC .29108 INC 3.9354 V1 29.681
 RP 108.90 LAP -3.25 LOP 329.67 VP 36.762 GAP -15.75 AZP 87.78 TAL 151.09 TAP 275.37 RCA 86.65 APO 157.80 V2 34.797
 RC 43.245 GL -16.45 GP 11.24 ZAL 45.48 ZAP 11.65 ETS 286.51 ZAE 154.48 ETE 118.15 ZAC 114.17 ETC 22.52 CLP -3.06

PLANETOCENTRIC CONIC

C3 38.696 VML 6.221 DLA -8.27 RAL 157.41 RAD 6568.5 VEL 12.652 PTH 2.30 VMP 10.114 DPA 26.24 RAP 154.03 ECC 1.6368
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 19 3 2118.73 -17.13 35.50 27.96 112.90 9 54 22 1518.7 -13.89 28.33
 90.00 19 12 15 5281.29 27.08 239.01 33.38 81.40 20 40 16 4681.3 25.61 230.65
 100.00 10 36 24 1869.23 -18.39 16.59 27.39 113.99 11 7 33 1269.2 -14.99 9.44
 100.00 20 37 35 5006.03 28.43 218.52 33.14 80.56 22 1 1 4406.0 26.81 210.09
 110.00 11 35 31 1884.12 -21.73 .84 25.69 117.06 12 3 35 1084.1 -17.92 353.78
 110.00 21 54 58 4763.90 32.06 199.31 32.31 77.46 23 14 22 4163.9 30.00 190.70

DIFFERENTIAL CORRECTIONS

TDE 1.1474 TRA-2.5929 TC3 -.1779 BAU .1311
 RDE -.1437 RRA -.4220 RC3 .1805 FAU .02086
 FDE-1.3440 FRA 2.1076 FC3 -.4868 BSP 8831
 BDE 1.1563 BRA 2.6270 BC3 .2534 FSP -596

MID-COURSE EXECUTION ACCURACY

SGT 2643.8 SGR 471.3 SG3 206.6
 RRT .6085 RRF -.6539 RTF -.9354
 SGB 2685.5 R23 -.0922 R13 -.9370
 SG1 2659.6 SG2 371.8 TMA 6.32

ORBIT DETERMINATION ACCURACY

ST 1281.0 SR 177.3 SS 1197.9
 CRT -.2404 CRS -.3883 CST .9876
 LSA 1749.3 MSA 217.2 SSA 16.5
 EL1 1281.7 EL2 172.0 ALF 178.06

LAUNCH DATE APR 16 1967

FLIGHT TIME 134.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 320.956

RL 150.12 LAL -.00 LOL 205.33 VL 26.251 GAL 10.31 AZL 94.16 MCA 127.44 SMA 123.00 ECC .28123 INC 4.1574 V1 29.681
 RP 108.89 LAP -3.30 LOP 332.84 VP 36.859 GAP -14.98 AZP 87.47 TAL 150.79 TAP 278.23 RCA 88.41 APO 157.59 V2 34.801
 RC 42.956 GL -18.03 GP 12.31 ZAL 45.87 ZAP 13.10 ETS 291.43 ZAE 154.49 ETE 110.91 ZAC 112.23 ETC 22.24 CLP -4.52

PLANETOCENTRIC CONIC

C3 36.600 VHL 6.050 DLA -9.76 RAL 156.89 RAD 6568.4 VEL 12.569 PTH 2.28 VHP 9.691 OPA 26.64 RAP 156.19 ECC 1.6023
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 28 50 2056.22 -15.44 31.70 26.34 114.04 10 3 7 1456.2 -12.06 24.65
 90.00 18 58 17 5315.65 27.41 241.47 32.49 82.59 20 26 53 4715.7 26.10 235.05
 100.00 10 45 22 1809.31 -16.69 12.95 25.75 115.16 11 15 32 1209.3 -13.16 5.93
 100.00 20 24 26 5037.79 28.77 220.82 32.27 81.53 21 48 24 4437.8 27.30 212.33
 110.00 11 42 41 1629.86 -20.01 357.57 23.98 118.31 12 9 51 1029.9 -16.07 350.66
 110.00 21 43 37 4790.01 32.43 201.26 31.52 78.55 23 3 27 4190.0 30.51 192.57

DIFFERENTIAL CORRECTIONS

TDE 1.1723 TRA-2.5689 TC3 -.1517 BAU .1226
 RDE -.0941 RRA -.4325 RC3 .1994 FAU .02189
 FDE -1.4476 FRA 2.1926 FC3 -.5177 BSP 9195
 BDE 1.1761 BRA 2.6050 BC3 .2506 FSP -653

MID-COURSE EXECUTION ACCURACY

SGT 2713.1 SGR 488.8 SG3 223.8
 RRT .6657 RRF -.7145 RTF -.9403
 SGB 2756.8 R23 -.1034 R13 -.9421
 SGI 2732.9 SG2 362.1 TMA 6.96

ORBIT DETERMINATION ACCURACY

ST 1334.6 SR 153.5 SS 1264.2
 CRT -.0325 CRS -.1867 CST .9877
 LSA 1832.7 MSA 209.2 SSA 16.1
 EL1 1334.7 EL2 153.4 ALF 179.78

LAUNCH DATE APR 16 1967

FLIGHT TIME 136.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 327.712

RL 150.12 LAL -.00 LOL 205.33 VL 26.373 GAL 9.94 AZL 94.40 MCA 130.60 SMA 123.73 ECC .27194 INC 4.3990 V1 29.681
 RP 108.87 LAP -3.34 LOP 336.01 VP 36.951 GAP -14.23 AZP 87.13 TAL 150.52 TAP 281.12 RCA 90.09 APO 157.38 V2 34.806
 RC 42.841 GL -19.74 GP 13.53 ZAL 46.39 ZAP 14.78 ETS 295.22 ZAE 154.01 ETE 103.72 ZAC 110.27 ETC 21.99 CLP -6.01

PLANETOCENTRIC CONIC

C3 34.795 VHL 5.899 DLA -11.36 RAL 156.26 RAD 6568.4 VEL 12.497 PTH 2.26 VHP 9.288 OPA 27.18 RAP 158.40 ECC 1.5726
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 39 24 1990.65 -13.58 27.78 24.80 115.09 10 12 35 1390.7 -10.09 20.84
 90.00 18 42 44 5355.66 27.73 244.36 31.64 84.00 20 11 59 4755.7 26.61 235.87
 100.00 10 55 1 1746.70 -14.84 9.22 24.17 116.25 11 24 8 1146.7 -11.20 2.32
 100.00 20 9 48 5074.85 29.11 223.52 31.46 82.91 21 34 23 4474.8 27.83 214.95
 110.00 11 50 18 1573.60 -18.16 354.26 22.35 119.47 12 16 31 973.6 -14.09 347.50
 110.00 21 31 1 4820.71 32.82 203.57 30.80 79.87 22 51 22 4220.7 31.08 194.78

DIFFERENTIAL CORRECTIONS

TDE 1.1986 TRA-2.5466 TC3 -.1263 BAU .1179
 RDE -.0404 RRA -.4482 RC3 .2197 FAU .02288
 FDE -1.5635 FRA 2.2829 FC3 -.5694 BSP 9476
 BDE 1.1993 BRA 2.5857 BC3 .2534 FSP -712

MID-COURSE EXECUTION ACCURACY

SGT 2782.7 SGR 515.7 SG3 242.4
 RRT .7220 RRF -.7733 RTF -.9445
 SGB 2830.1 R23 -.1158 R13 -.9466
 SGI 2807.9 SG2 353.6 TMA 7.74

ORBIT DETERMINATION ACCURACY

ST 1388.7 SR 139.1 SS 1334.9
 CRT .2852 CRS .1337 CST .9877
 LSA 1920.6 MSA 202.5 SSA 15.6
 EL1 1389.3 EL2 133.3 ALF 1.65

LAUNCH DATE APR 16 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 334.456

RL 150.12 LAL -.00 LOL 205.33 VL 26.486 GAL 9.60 AZL 94.66 MCA 133.76 SMA 124.42 ECC .26317 INC 4.6647 V1 29.681
 RP 108.86 LAP -3.37 LOP 339.18 VP 37.037 GAP -13.49 AZP 86.77 TAL 150.29 TAP 284.04 RCA 91.68 APO 157.17 V2 34.812
 RC 42.900 GL -21.60 GP 14.94 ZAL 47.05 ZAP 16.70 ETS 298.08 ZAE 153.03 ETE 96.90 ZAC 108.29 ETC 21.77 CLP -7.54

PLANETOCENTRIC CONIC

C3 33.270 VHL 5.768 DLA -13.08 RAL 155.52 RAD 6568.3 VEL 12.436 PTH 2.25 VHP 8.906 OPA 27.89 RAP 160.65 ECC 1.5475
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 50 59 1921.30 -11.54 23.70 23.33 116.04 10 23 0 1321.3 -7.95 16.87
 90.00 18 25 14 5402.41 28.01 247.75 30.84 85.68 19 55 17 4802.4 27.12 239.19
 100.00 11 5 31 1680.79 -12.82 5.37 22.68 117.24 11 33 32 1080.8 -9.07 358.58
 100.00 19 53 23 5118.15 29.44 226.70 30.70 84.55 21 18 41 4518.2 28.37 218.06
 110.00 11 58 28 1514.96 -16.16 350.88 20.78 120.54 12 23 43 915.0 -11.99 344.26
 110.00 21 16 55 4856.75 33.22 206.31 30.16 81.44 22 37 52 4256.8 31.68 197.42

DIFFERENTIAL CORRECTIONS

TDE 1.3200 TRA-2.4324 TC3 .0089 BAU .1099
 RDE .0235 RRA -.4649 FC3 .2469 FAU .02599
 FDE -1.7395 FRA 2.3288 FC3 -.6763 BSP 11894
 BDE 1.3202 BRA 2.4764 BC3 .2471 FSP -870

MID-COURSE EXECUTION ACCURACY

SGT 2805.7 SGR 553.6 SG3 262.6
 RRT .7787 RRF -.8254 RTF -.9576
 SGB 2859.8 R23 -.1089 R13 -.9598
 SGI 2839.2 SG2 343.2 TMA 8.87

ORBIT DETERMINATION ACCURACY

ST 1507.7 SR 144.4 SS 1438.3
 CRT .6268 CRS .5257 CST .9921
 LSA 2081.3 MSA 175.2 SSA 14.5
 EL1 1510.4 EL2 112.3 ALF 3.45

LAUNCH DATE APR 16 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 341.210

RL 150.12 LAL -.00 LOL 205.33 VL 26.590 GAL 9.27 AZL 94.96 MCA 136.92 SMA 125.08 ECC .25499 INC 4.9601 V1 29.681
 RP 108.84 LAP -3.39 LOP 342.35 VP 37.118 GAP -12.79 AZP 86.37 TAL 150.07 TAP 286.99 RCA 93.18 APO 156.97 V2 34.819
 RC 43.133 GL -23.82 GP 16.58 ZAL 47.85 ZAP 18.86 ETS 300.13 ZAE 151.54 ETE 90.73 ZAC 106.26 ETC 21.55 CLP -9.10

PLANETOCENTRIC CONIC

C3 32.067 VHL 5.663 DLA -14.92 RAL 154.67 RAD 6568.3 VEL 12.387 PTH 2.24 VHP 8.551 OPA 28.81 RAP 162.99 ECC 1.5277
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 3 57 1847.64 -9.31 19.45 22.02 116.86 10 34 44 1247.6 -5.63 12.70
 90.00 18 5 31 5457.51 28.23 251.76 30.14 87.68 19 36 28 4857.5 27.61 243.15
 100.00 11 17 13 1611.24 -10.82 1.37 21.33 118.11 11 44 4 1011.2 -6.78 354.69
 100.00 19 34 55 5169.15 29.71 230.47 30.05 86.52 21 1 4 4569.2 28.91 221.75
 110.00 12 7 27 1453.88 -14.02 347.45 19.34 121.50 12 31 41 853.9 -9.75 340.95
 110.00 21 1 11 4899.26 35.60 209.56 29.65 83.33 22 22 50 4299.3 32.32 200.57

DIFFERENTIAL CORRECTIONS

TDE 1.2333 TRA-2.5329 TC3 -.1157 BAU .1226
 RDE .0845 RRA -.5010 RC3 .2615 FAU .02396
 FDE -1.8258 FRA 2.4916 FC3 -.6470 BSP 9159
 BDE 1.2362 BRA 2.5820 BC3 .2860 FSP -803

MID-COURSE EXECUTION ACCURACY

SGT 2934.0 SGR 608.5 SG3 283.4
 RRT .8174 RRF -.8758 RTF -.9487
 SGB 2996.4 R23 -.1517 R13 -.9519
 SGI 2976.5 SG2 345.5 TMA 9.75

ORBIT DETERMINATION ACCURACY

ST 1479.9 SR 179.4 SS 1482.3
 CRT .8738 CRS .1720 CST .9860
 LSA 2092.6 MSA 201.0 SSA 14.2
 EL1 1488.2 EL2 86.7 ALF 6.07

LAUNCH DATE APR 16 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 347.945

RL 150.12 LAL -0.00 LOL 205.33 VL 26.688 GAL 8.97 AZL 95.29 MCA 140.08 SMA 125.69 ECC .24729 INC 5.2927 V1 29.681
 RP 108.81 LAP -3.39 LOP 345.52 VP 37.194 GAP -12.10 AZP 85.94 TAL 149.90 TAP 289.97 RCA 94.61 APO 156.77 V2 34.826
 RC 43.534 GL -25.82 GP 18.51 ZAL 48.84 ZAP 21.29 ETS 301.52 ZAE 149.57 ETE 85.40 ZAC 104.19 ETC 21.34 CLP -10.71

PLANETOCENTRIC CONIC

C3 31.164 VML 5.582 OLA -16.91 RAL 153.68 RAD 6568.2 VEL 12.351 PTH 2.23 VMP 8.221 DPA 29.99 RAP 165.43 ECC 1.5129
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 18 44 1767.93 -6.83 14.91 20.86 117.55 10 48 12 1167.9 -3.08 8.23
 90.00 17 42 48 5522.85 28.32 256.54 29.50 90.07 19 14 51 4922.9 28.03 247.89
 100.00 11 30 26 1536.59 -8.20 357.16 20.11 118.85 11 56 3 936.6 -4.29 350.55
 100.00 19 13 47 5229.42 29.87 234.94 29.48 88.87 20 40 57 4629.4 29.40 226.17
 110.00 12 17 24 1389.47 -11.70 343.90 18.01 122.35 12 40 53 789.5 -7.34 337.51
 110.00 20 43 19 4949.31 33.93 213.43 29.25 85.60 22 5 48 4349.3 32.95 204.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2821 TRA-2.5052 TC3 -.0875 BAU .1241 SGT 2993.8 SGR 680.3 SG3 305.3 ST 1543.2 SR 240.9 SS 1570.3
 ROE .1627 RRA -.5387 RC3 .2847 FAU .02481 RRT .8550 RRF -.9110 RTF -.9525 CRT .9670 CRS .9135 CST .9866
 FDE-1.9954 FRA 2.5863 FC3 -.6894 BSP 9450 SGB 3070.1 R23 -.1649 R13 -.9564 LSA 2206.0 MSA 196.9 SSA 13.2
 BOE 1.2923 BRA 2.5624 BC3 .2979 FSP -872 SGI 3050.5 SG2 346.2 THA 11.14 EL1 1560.7 EL2 60.7 ALF 8.60

LAUNCH DATE APR 16 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 354.669

RL 150.12 LAL -0.00 LOL 205.33 VL 26.778 GAL 8.68 AZL 95.67 MCA 143.24 SMA 126.27 ECC .24009 INC 5.6725 V1 29.681
 RP 108.79 LAP -3.39 LOP 348.70 VP 37.268 GAP -11.42 AZP 85.45 TAL 149.75 TAP 292.98 RCA 95.95 APO 156.58 V2 34.834
 RC 44.099 GL -28.23 GP 20.78 ZAL 50.02 ZAP 24.04 ETS 302.36 ZAE 147.14 ETE 80.98 ZAC 102.05 ETC 21.12 CLP -12.36

PLANETOCENTRIC CONIC

C3 30.608 VML 5.532 OLA -19.05 RAL 152.53 RAD 6568.2 VEL 12.328 PTH 2.22 VMP 7.924 DPA 31.47 RAP 168.03 ECC 1.5037
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 36 10 1680.13 -4.04 9.98 19.91 118.05 11 4 10 1080.1 -2.25 3.32
 90.00 17 16 12 5601.60 28.17 262.29 28.91 92.96 18 49 34 5001.6 28.29 253.63
 100.00 11 45 48 1455.44 -5.51 352.64 19.11 119.43 12 10 3 855.4 -1.54 346.09
 100.00 18 49 16 5301.53 29.85 240.30 28.99 91.69 20 17 37 4701.5 29.76 231.49
 110.00 12 28 40 1321.11 -9.18 340.20 18.86 123.07 12 50 41 721.1 -4.76 335.90
 110.00 20 22 53 5008.62 34.15 218.05 28.99 88.33 21 46 21 4408.6 33.54 208.86

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.3472 TRA-2.4716 TC3 -.0537 BAU .1282 SGT 3046.9 SGR 774.1 SG3 327.4 ST 1614.5 SR 328.0 SS 1665.7
 ROE .2582 RRA -.5880 RC3 .3087 FAU .02564 RRT .8855 RRF -.9393 RTF -.9566 CRT .9944 CRS .9665 CST .9875
 FDE-2.1908 FRA 2.6717 FC3 -.7253 BSP 9862 SGB 3143.7 R23 -.1740 R13 -.9613 LSA 2334.9 MSA 192.4 SSA 12.2
 BOE 1.3714 BRA 2.5401 BC3 .3133 FSP -949 SGI 3124.0 SG2 350.9 THA 12.84 EL1 1647.2 EL2 33.9 ALF 11.43

LAUNCH DATE APR 16 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 361.380

RL 150.12 LAL -0.00 LOL 205.33 VL 26.861 GAL 8.41 AZL 96.11 MCA 146.40 SMA 126.80 ECC .23337 INC 6.1131 V1 29.681
 RP 108.76 LAP -3.38 LOP 351.88 VP 37.334 GAP -10.77 AZP 84.90 TAL 149.62 TAP 296.02 RCA 97.21 APO 156.40 V2 34.842
 RC 44.820 GL -30.85 GP 23.46 ZAL 51.42 ZAP 27.14 ETS 302.72 ZAE 144.24 ETE 77.46 ZAC 99.83 ETC 20.72 CLP -14.05

PLANETOCENTRIC CONIC

C3 30.452 VML 5.518 OLA -21.37 RAL 151.20 RAD 6568.2 VEL 12.322 PTH 2.22 VMP 7.666 DPA 33.32 RAP 170.85 ECC 1.5012
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 57 38 1580.31 -6.82 4.38 19.30 118.31 11 23 59 980.3 2.97 357.75
 90.00 16 44 8 5698.87 27.63 269.38 28.34 96.46 18 19 7 5098.9 28.24 260.74
 100.00 12 4 20 1365.05 -2.46 347.65 18.39 119.80 12 27 5 765.0 1.52 341.13
 100.00 18 20 8 5389.36 29.50 246.80 28.56 95.09 19 49 57 4789.4 29.89 238.02
 110.00 12 41 48 1247.64 -6.43 336.30 15.93 123.65 13 2 35 647.6 -1.96 330.06
 110.00 19 59 10 5079.53 34.15 223.59 28.88 91.60 21 23 49 4479.5 34.00 214.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.4272 TRA-2.4382 TC3 -.0225 BAU .1355 SGT 3096.1 SGR 894.1 SG3 348.8 ST 1691.4 SR 441.4 SS 1766.0
 ROE .3708 RRA -.6449 RC3 .3320 FAU .02621 RRT .9088 RRF -.9597 RTF -.9604 CRT .9996 CRS .9872 CST .9885
 FDE-2.4109 FRA 2.7437 FC3 -.7451 BSP 10264 SGB 3222.6 R23 -.1795 R13 -.9662 LSA 2477.6 MSA 189.2 SSA 11.0
 BOE 1.4746 BRA 2.5220 BC3 .3327 FSP -1025 SGI 3202.4 SG2 360.6 THA 14.90 EL1 1748.0 EL2 11.3 ALF 14.62

LAUNCH DATE APR 16 1967

FLIGHT TIME 148.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 368.078

RL 150.12 LAL -0.00 LOL 205.33 VL 26.937 GAL 8.15 AZL 96.63 MCA 149.56 SMA 127.30 ECC .22712 INC 6.6338 V1 29.681
 RP 108.74 LAP -3.36 LOP 355.05 VP 37.397 GAP -10.14 AZP 84.27 TAL 149.52 TAP 299.07 RCA 98.39 APO 156.22 V2 34.851
 RC 45.690 GL -33.72 GP 26.65 ZAL 53.06 ZAP 30.67 ETS 302.66 ZAE 140.86 ETE 74.75 ZAC 97.48 ETC 20.56 CLP -15.76

PLANETOCENTRIC CONIC

C3 30.789 VML 5.549 OLA -23.88 RAL 149.66 RAD 6568.2 VEL 12.335 PTH 2.22 VMP 7.460 DPA 35.60 RAP 174.00 ECC 1.5067
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 26 7 1459.75 3.06 357.66 19.21 118.16 11 50 27 859.8 6.81 350.98
 90.00 16 3 22 5824.94 26.34 278.36 27.65 100.79 17 40 26 5224.9 27.56 269.90
 100.00 12 27 59 1260.04 1.10 341.89 18.12 119.87 12 48 59 660.0 5.06 335.35
 100.00 17 44 11 5499.89 28.56 254.88 28.09 99.24 19 15 50 4899.9 29.54 246.21
 110.00 12 57 36 1167.19 -3.38 332.07 15.33 124.04 13 17 3 567.2 1.11 325.86
 110.00 19 31 3 5165.50 33.78 230.28 28.88 95.54 20 57 9 4565.5 34.18 221.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.5259 TRA-2.4078 TC3 .0014 BAU .1450 SGT 3142.4 SGR 1044.6 SG3 367.9 ST 1774.3 SR 584.2 SS 1868.4
 ROE .5143 RRA -.7175 RC3 .3522 FAU .02626 RRT .9262 RRF -.9738 RTF -.9638 CRT .9986 CRS .9953 CST .9895
 FDE-2.6535 FRA 2.7933 FC3 -.7383 BSP 10634 SGB 3311.5 R23 -.1807 R13 -.9708 LSA 2635.3 MSA 187.5 SSA 9.8
 BOE 1.6103 BRA 2.5122 BC3 .3522 FSP -1093 SGI 3290.0 SG2 376.3 THA 17.35 EL1 1867.7 EL2 29.1 ALF 18.21

LAUNCH DATE APR 16 1967

FLIGHT TIME 150.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 374.760

RL 150.12 LAL -.00 LOL 205.33 VL 27.008 GAL 7.92 AZL 97.26 MCA 152.72 SMA 127.77 ECC .22133 INC 7.2629 V1 29.681
 RP 108.71 LAP -3.32 LOP 358.23 VP 37.457 GAP -9.52 AZP 83.54 TAL 149.43 TAP 302.15 RCA 99.49 APO 156.05 V2 34.860
 RC 46.700 GL -36.87 GP 30.46 ZAL 54.98 ZAP 34.70 ETS 302.23 ZAE 136.93 ETE 72.75 ZAC 94.98 ETC 20.12 CLP -17.47

PLANETOCENTRIC CONIC

C3 31.767 VML 5.636 DLA -26.60 RAL 147.86 RAD 6568.3 VEL 12.375 PTH 2.23 VMP 7.321 DPA 38.39 RAP 177.63 ECC 1.5228
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 11 3 1289.57 8.45 348.06 20.16 117.13 12 32 32 689.6 12.03 341.20
 90.00 15 4 3 722.81 23.34 313.23 26.33 106.50 15 16 6 122.8 25.38 305.15
 100.00 13 1 31 1126.58 5.60 334.54 18.62 119.41 13 20 17 526.6 9.48 327.90
 100.00 16 56 16 5649.08 26.46 265.47 27.29 104.43 18 30 25 5049.1 28.19 257.09
 110.00 13 17 35 1076.15 .10 327.31 15.20 124.18 13 35 31 476.1 4.58 321.10
 110.00 18 56 41 5272.27 32.78 238.45 28.88 100.28 20 24 34 4672.3 33.85 229.37

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.6503 TRA-2.3834 TC3 .0137 BAU .1554 SGT 3187.0 SGR 1229.6 SG3 382.1 ST 1864.2 SR 761.5 SS 1968.3
 RDE .6986 RRA -1.8052 RC3 .3656 FAU .02546 RRT .9388 RRF -.9830 RTF -.9667 CRT .9965 CRS .9984 CST .9904
 FDE -2.9127 FRA 2.8066 FC3 -.6939 BSP 10947 SGB 3416.0 R23 -.1774 R13 -.9753 LSA 2809.6 MSA 187.7 SSA 8.5
 BDE 1.7921 BRA 2.5157 BC3 .3658 FSP -1142 SGI 3392.6 SG2 398.6 TMA 20.20 EL1 2012.9 EL2 59.0 ALF 22.17

LAUNCH DATE APR 16 1967

FLIGHT TIME 152.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 381.425

RL 150.12 LAL -.00 LOL 205.33 VL 27.072 GAL 7.70 AZL 98.04 MCA 155.87 SMA 128.20 ECC .21599 INC 8.0431 V1 29.681
 RP 108.68 LAP -3.28 LOP 1.41 VP 37.513 GAP -8.91 AZP 82.65 TAL 149.37 TAP 305.24 RCA 100.51 APO 155.89 V2 34.870
 RC 47.841 GL -40.33 GP 35.02 ZAL 57.22 ZAP 39.31 ETS 301.47 ZAE 132.36 ETE 71.27 ZAC 92.27 ETC 19.46 CLP -19.14

PLANETOCENTRIC CONIC

C3 33.646 VML 5.801 DLA -29.53 RAL 145.73 RAD 6568.3 VEL 12.451 PTH 2.25 VMP 7.277 DPA 41.75 RAP 181.98 ECC 1.5537
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.25 12 17 13 1292.63 16.98 349.58 23.08 114.53 12 38 6 652.6 20.15 342.25
 98.75 14 40 53 788.70 17.00 315.52 23.09 114.52 14 54 2 188.7 20.17 308.18
 100.00 14 11 24 883.08 13.47 320.75 21.33 116.94 14 26 7 283.1 16.98 313.71
 100.00 15 29 23 633.50 20.58 305.64 24.72 112.17 15 39 57 33.5 23.41 297.98
 110.00 13 45 6 985.98 4.31 321.56 15.89 123.94 14 1 12 366.0 8.73 315.27
 110.00 18 12 11 5411.41 30.62 248.71 28.57 105.99 19 42 22 4811.4 32.51 240.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.8202 TRA-2.3628 TC3 .0198 BAU .1659 SGT 3229.5 SGR 1451.5 SG3 388.2 ST 1969.8 SR 979.7 SS 2061.8
 RDE .9411 RRA -1.9070 RC3 .3682 FAU .02370 RRT .9479 RRF -.9888 RTF -.9696 CRT .9949 CRS .9995 CST .9915
 FDE -3.1808 FRA 2.7591 FC3 -.6097 BSP 11348 SGB 3540.5 R23 -.1678 R13 -.9798 LSA 3009.2 MSA 188.0 SSA 7.3
 BDE 2.0491 BRA 2.5309 BC3 .3688 FSP -1169 SGI 3514.9 SG2 424.8 TMA 23.44 EL1 2198.2 EL2 88.4 ALF 26.37

LAUNCH DATE APR 16 1967

FLIGHT TIME 154.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 388.068

RL 150.12 LAL -.00 LOL 205.33 VL 27.131 GAL 7.50 AZL 99.04 MCA 159.03 SMA 128.60 ECC .21107 INC 9.0429 V1 29.681
 RP 108.64 LAP -3.22 LOP 4.60 VP 37.565 GAP -8.33 AZP 81.55 TAL 149.32 TAP 308.35 RCA 101.46 APO 155.74 V2 34.881
 RC 49.103 GL -44.12 GP 40.45 ZAL 59.81 ZAP 44.60 ETS 300.37 ZAE 127.02 ETE 70.09 ZAC 89.29 ETC 18.40 CLP -20.66

PLANETOCENTRIC CONIC

C3 36.890 VML 6.074 DLA -32.68 RAL 143.18 RAD 6568.4 VEL 12.580 PTH 2.28 VMP 7.373 DPA 45.70 RAP 187.45 ECC 1.6071
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.96 11 7 41 1463.38 17.93 303.66 22.87 117.79 11 32 4 863.4 21.51 358.73
 107.04 15 30 4 624.44 17.95 303.66 22.87 117.78 15 40 28 24.4 21.52 296.47
 72.96 11 7 41 1463.38 17.93 303.66 22.87 117.79 11 32 4 863.4 21.51 358.73
 107.04 15 30 4 624.44 17.95 303.66 22.87 117.78 15 40 28 24.4 21.52 296.47
 110.00 14 32 2 803.44 10.40 312.92 18.34 122.75 14 45 26 203.4 14.65 306.39
 110.00 17 4 53 5620.43 25.82 263.05 26.91 113.23 18 38 33 5020.4 28.73 255.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.0581 TRA-2.3538 TC3 .0146 BAU .1741 SGT 3275.5 SGR 1707.0 SG3 381.6 ST 2096.5 SR 1242.3 SS 2138.3
 RDE 1.2658 RRA -1.0191 RC3 .3526 FAU .02050 RRT .9549 RRF -.9924 RTF -.9725 CRT .9942 CRS .9999 CST .9927
 FDE -3.4330 FRA 2.6286 FC3 -.4811 BSP 11813 SGB 3693.6 R23 -.1534 R13 -.9840 LSA 3236.6 MSA 188.3 SSA 6.2
 BDE 2.4161 BRA 2.5649 BC3 .3529 FSP -1157 SGI 3665.7 SG2 453.0 TMA 26.90 EL1 2434.2 EL2 115.4 ALF 30.58

LAUNCH DATE APR 16 1967

FLIGHT TIME 156.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 394.688

RL 150.12 LAL -.00 LOL 205.33 VL 27.185 GAL 7.31 AZL 100.38 MCA 162.18 SMA 128.97 ECC .20658 INC 10.3791 V1 29.681
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.614 GAP -7.76 AZP 80.11 TAL 149.27 TAP 311.45 RCA 102.32 APO 155.61 V2 34.891
 RC 50.476 GL -48.25 GP 46.86 ZAL 62.81 ZAP 50.60 ETS 298.82 ZAE 120.79 ETE 68.83 ZAC 85.98 ETC 16.62 CLP -21.84

PLANETOCENTRIC CONIC

C3 42.401 VML 6.512 DLA -36.02 RAL 140.07 RAD 6568.6 VEL 12.797 PTH 2.33 VMP 7.685 DPA 50.13 RAP 194.71 ECC 1.6978
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.75 10 18 11 1611.45 18.35 275.74 22.91 121.55 10 45 2 1011.5 22.39 10.80
 113.25 15 54 46 5834.74 18.37 275.74 22.91 121.54 17 32 1 5234.7 22.40 268.78
 66.75 10 18 11 1611.45 18.35 275.74 22.91 121.55 10 45 2 1011.5 22.39 10.80
 113.25 15 54 46 5834.74 18.37 275.74 22.91 121.54 17 32 1 5234.7 22.40 268.78
 66.75 10 18 11 1611.45 18.35 275.74 22.91 121.55 10 45 2 1011.5 22.39 10.80
 113.25 15 54 46 5834.74 18.37 275.74 22.91 121.54 17 32 1 5234.7 22.40 268.78

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.4148 TRA-2.3665 TC3 -.0018 BAU .1762 SGT 3338.1 SGR 1980.7 SG3 358.1 ST 2260.8 SR 1545.4 SS 2186.0
 RDE 1.7057 RRA -1.1283 RC3 .3108 FAU .01561 RRT .9601 RRF -.9944 RTF -.9755 CRT .9941 CRS 1.0000 CST .9940
 FDE -3.6345 FRA 2.3929 FC3 -.3187 BSP 12391 SGB 3681.5 R23 -.1357 R13 -.9879 LSA 3499.0 MSA 188.0 SSA 5.2
 BDE 2.9565 BRA 2.6218 BC3 .3108 FSP -1093 SGI 3651.7 SG2 479.8 TMA 30.19 EL1 2735.0 EL2 138.1 ALF 34.30

LAUNCH DATE APR 16 1967

FLIGHT TIME 158.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 401.276

RL 150.12 LAL -0.00 LOL 205.33 VL 27.235 GAL 7.15 AZL 102.27 HCA 165.32 SMA 129.30 ECC .20251 INC12.2670 VI 29.681
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.660 GAP -7.20 AZP 78.12 TAL 149.23 TAP 314.55 RCA 103.12 APO 155.49 V2 34.903
 RC 51.950 GL -52.70 GP 54.31 ZAL 66.28 ZAP 57.29 ETS 296.36 ZAE 113.54 ETE 66.76 ZAC 82.28 ETC 13.41 CLP -22.15

PLANETOCENTRIC CONIC

C3 52.100 VHL 7.218 DLA -39.44 RAL 136.21 RAD 6568.9 VEL 13.170 PTM 2.41 VMP 8.358 DPA 54.69 RAP 204.83 ECC 1.8574
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 61.31 9 35 15 1743.33 17.86 28.19 23.14 125.77 10 4 19 1143.3 22.40 21.60
 118.69 16 6 56 5806.04 17.87 273.04 23.15 125.76 17 43 42 5206.0 22.41 266.44
 61.31 9 35 15 1743.33 17.86 28.19 23.14 125.77 10 4 19 1143.3 22.40 21.60
 118.69 16 6 56 5806.04 17.87 273.04 23.15 125.76 17 43 42 5206.0 22.41 266.44
 61.31 9 35 15 1743.33 17.86 28.19 23.14 125.77 10 4 19 1143.3 22.40 21.60
 118.69 16 6 56 5806.04 17.87 273.04 23.15 125.76 17 43 42 5206.0 22.41 266.44

DIFFERENTIAL CORRECTIONS

TDE 2.9981 TRA-2.4263 TC3 -.0308 BAU .1655
 RDE 2.2948 RRA-1.2008 RC3 .2356 FAU .00890
 FDE-5.7376 FRA 2.0477 FC3 -.1478 BSP 13085
 BOE 3.7755 BRA 2.7072 BC3 .2376 FSP -967

MID-COURSE EXECUTION ACCURACY

SGT 3447.4 SGR 2226.5 SG3 314.8
 RRT .9638 RRF -.9953 RTF -.9791
 SGB 4103.9 R23 -.1163 R13 -.9913
 SGI 4073.0 SGT 502.3 TMA 32.45

ORBIT DETERMINATION ACCURACY

ST 2494.7 SR 1858.9 SS 2190.4
 CRT .9946 CRS 1.0000 CST .9955
 LSA 3800.2 MSA 186.5 SSA 4.3
 EL1 3107.2 EL2 153.3 ALF 36.65

LAUNCH DATE APR 16 1967

FLIGHT TIME 160.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 407.820

RL 150.12 LAL -0.00 LOL 205.33 VL 27.279 GAL 7.00 AZL 105.15 HCA 168.43 SMA 129.61 ECC .19887 INC15.1510 VI 29.681
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.703 GAP -6.67 AZP 75.14 TAL 149.18 TAP 317.61 RCA 103.83 APO 155.38 V2 34.914
 RC 53.515 GL -57.31 GP 62.70 ZAL 70.25 ZAP 64.51 ETS 291.41 ZAE 105.19 ETE 61.98 ZAC 78.07 ETC 6.85 CLP -20.21

PLANETOCENTRIC CONIC

C3 70.704 VHL 8.409 DLA -42.70 RAL 131.36 RAD 6569.4 VEL 13.858 PTM 2.53 VMP 9.678 DPA 58.53 RAP 219.27 ECC 2.1636
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 56.60 8 55 12 1874.94 15.89 37.92 23.37 130.17 9 26 27 1274.9 20.95 31.80
 123.40 16 8 18 5822.63 15.91 272.87 23.39 130.16 17 45 20 5222.6 20.96 266.75
 56.60 8 55 12 1874.94 15.89 37.92 23.37 130.17 9 26 27 1274.9 20.95 31.80
 123.40 16 8 18 5822.63 15.91 272.87 23.39 130.16 17 45 20 5222.6 20.96 266.75
 56.60 8 55 12 1874.94 15.89 37.92 23.37 130.17 9 26 27 1274.9 20.95 31.80
 123.40 16 8 18 5822.63 15.91 272.87 23.39 130.16 17 45 20 5222.6 20.96 266.75

DIFFERENTIAL CORRECTIONS

TDE 4.0892 TRA-2.5958 TC3 -.0752 BAU .1410
 RDE 3.0028 RRA-1.1352 RC3 .1288 FAU .00058
 FDE-3.7032 FRA 1.6246 FC3 -.0071 BSP 13860
 BOE 5.0732 BRA 2.8330 BC3 .1491 FSP -782

MID-COURSE EXECUTION ACCURACY

SGT 3683.9 SGR 2311.0 SG3 253.9
 RRT .9639 RRF -.9940 RTF -.9841
 SGB 4348.7 R23 -.0963 R13 -.9941
 SGI 4316.9 SGT 524.9 TMA 31.68

ORBIT DETERMINATION ACCURACY

ST 2878.4 SR 2070.2 SS 2143.6
 CRT .9950 CRS .9997 CST .9971
 LSA 4139.0 MSA 185.6 SSA 3.3
 EL1 3541.5 EL2 168.8 ALF 35.68

LAUNCH DATE APR 16 1967

FLIGHT TIME 162.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 414.288

RL 150.12 LAL -0.00 LOL 205.33 VL 27.319 GAL 6.89 AZL 110.11 HCA 171.50 SMA 129.89 ECC .19570 INC20.1056 VI 29.681
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.743 GAP -6.16 AZP 70.10 TAL 149.10 TAP 320.60 RCA 104.47 APO 155.30 V2 34.926
 RC 55.163 GL -61.56 GP 71.55 ZAL 74.74 ZAP 71.89 ETS 276.95 ZAE 95.55 ETE 47.33 ZAC 73.01 ETC 349.62 CLP -10.80

PLANETOCENTRIC CONIC

C3 112.417 VHL 10.603 DLA -45.14 RAL 125.30 RAD 6570.1 VEL 15.289 PTM 2.74 VMP 12.327 DPA 59.93 RAP 238.84 ECC 2.8501
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 53.25 8 17 51 2012.54 11.84 46.58 23.24 133.88 8 51 24 1412.5 17.32 40.96
 126.75 15 57 18 602.30 11.86 297.31 23.26 133.88 16 7 20 2.3 17.33 291.69
 53.25 8 17 51 2012.54 11.84 46.58 23.24 133.88 8 51 24 1412.5 17.32 40.96
 126.75 15 57 18 602.30 11.86 297.31 23.26 133.88 16 7 20 2.3 17.33 291.69
 53.25 8 17 51 2012.54 11.84 46.58 23.24 133.88 8 51 24 1412.5 17.32 40.96
 126.75 15 57 18 602.30 11.86 297.31 23.26 133.88 16 7 20 2.3 17.33 291.69

DIFFERENTIAL CORRECTIONS

TDE 6.5613 TRA-3.0096 TC3 -.1488 BAU .2281
 RDE 3.1474 RRA -.4841 RC3 .0298 FAU-.00918
 FDE-3.5506 FRA 1.2075 FC3 .0707 BSP 14534
 BOE 7.2771 BRA 3.0483 BC3 .1518 FSP -565

MID-COURSE EXECUTION ACCURACY

SGT 4241.1 SGR 1741.9 SG3 184.5
 RRT .9293 RRF -.9670 RTF -.9919
 SGB 4584.9 R23 -.0713 R13 -.9969
 SGI 4545.5 SGT 600.2 TMA 21.28

ORBIT DETERMINATION ACCURACY

ST 3612.5 SR 1704.5 SS 2064.9
 CRT .9919 CRS .9969 CST .9988
 LSA 4492.0 MSA 201.8 SSA 2.0
 EL1 3989.6 EL2 196.1 ALF 25.14

LAUNCH DATE APR 16 1967

FLIGHT TIME 164.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 420.581

RL 150.12 LAL -0.00 LOL-205.33 VL 27.355 GAL 6.81 AZL 120.41 HCA 174.44 SMA 130.14 ECC .19317 INC30.4145 VI 29.681
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.780 GAP -5.70 AZP 59.70 TAL 148.94 TAP 323.38 RCA 105.00 APO 155.27 V2 34.938
 RC 56.885 GL -63.57 GP 77.41 ZAL 79.65 ZAP 78.89 ETS 226.19 ZAE 83.77 ETE 356.24 ZAC 65.89 ETC 294.41 CLP 27.88

PLANETOCENTRIC CONIC

C3 235.799 VHL 15.356 DLA -44.89 RAL 118.36 RAD 6571.4 VEL 18.897 PTM 3.07 VMP 18.316 DPA 56.01 RAP 260.90 ECC 4.8807
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 53.59 7 51 27 2137.28 5.71 52.01 22.58 134.60 8 27 4 1537.3 11.29 46.63
 126.41 15 28 20 733.65 5.73 303.36 22.60 134.60 15 40 34 133.7 11.31 297.97
 53.59 7 51 27 2137.28 5.71 52.01 22.58 134.60 8 27 4 1537.3 11.29 46.63
 126.41 15 28 20 733.65 5.73 303.36 22.60 134.60 15 40 34 133.7 11.31 297.97
 53.59 7 51 27 2137.28 5.71 52.01 22.58 134.60 8 27 4 1537.3 11.29 46.63
 126.41 15 28 20 733.65 5.73 303.36 22.60 134.60 15 40 34 133.7 11.31 297.97

DIFFERENTIAL CORRECTIONS

TDE10.9855 TRA-2.4589 TC3 -.2205 BAU .8376
 RDE-3.2434 RRA 2.8019 RC3 .1483 FAU-.02284
 FDE-3.4808 FRA .9380 FC3 .0839 BSP 14954
 BOE11.4543 BRA 3.5800 BC3 .2657 FSP -373

MID-COURSE EXECUTION ACCURACY

SGT 4351.6 SGR 1884.0 SG3 122.1
 RRT -.8591 RRF .8886 RTF -.9980
 SGB 4742.0 R23 .0140 R13 .9998
 SGI 4655.5 SGT 901.4 TMA 158.76

ORBIT DETERMINATION ACCURACY

ST 4117.3 SR 1278.2 SS 2068.6
 CRT -.9730 CRS -.9772 CST .9998
 LSA 4773.4 MSA 282.5 SSA 1.0
 EL1 4301.9 EL2 282.5 ALF 163.12

LAUNCH DATE APR 16 1967

FLIGHT TIME 166.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 426.219
 RL 150.12 LAL -.00 LOL 205.33 VL 27.387 GAL 6.86 AZL 149.30 MCA 176.86 SMA 130.36 ECC .19213 INC59.3005 V1 29.681
 RP 108.43 LAP -2.70 LOP 23.72 VP 37.815 GAP -5.40 AZP 30.74 TAL 148.42 TAP 325.28 RCA 105.31 APO 155.41 V2 34.951
 RC 58.673 GL -55.55 GP 64.74 ZAL 84.36 ZAP 84.54 ETS 184.83 ZAE 65.70 ETE 317.08 ZAC 51.60 ETC 243.98 CLP 77.11

PLANETOCENTRIC CONIC

C3 803.911 VHL 28.353 DLA -34.96 RAL 113.53 RAD 6572.8 VEL 30.417 PTM 3.46 VMP 34.994 OPA 40.31 RAP 279.94 ECC14.2303
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 68.59 8 42 39 2051.28 .18 40.20 23.25 124.96 9 16 50 1451.3 4.75 34.05
 111.41 13 58 32 1048.61 .20 325.22 23.26 124.96 14 16 0 448.6 4.77 319.06
 68.59 8 42 39 2051.28 .18 40.20 23.25 124.96 9 16 50 1451.3 4.75 34.05
 111.41 13 58 32 1048.61 .20 325.22 23.26 124.96 14 16 0 448.6 4.77 319.06
 68.59 8 42 39 2051.28 .18 40.20 23.25 124.96 9 16 50 1451.3 4.75 34.05
 111.41 13 58 32 1048.61 .20 325.22 23.26 124.96 14 16 0 448.6 4.77 319.06

DIFFERENTIAL CORRECTIONS

TDE 9.4464 TRA .1717 TC3 -.1386 BAU 3.6292 MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 RD-16.4132 RRA 5.7604 RC3 .3079 FAU-.06609 SGT 2064.8 SGR 4008.3 SG3 83.0 ST 1909.1 SR 3344.4 SS 2492.6
 FDE-4.0555 FRA 1.1993 FC3 .0712 BSP 13340 RRT-.9235 RRF .9985 RTF -.9428 CRT -.9910 CR3 -.9998 CST .9935
 BDE18.9375 BRA 5.7630 BC3 .3377 FSP -245 SGB 4508.9 R23 -.0247 R13 .9996 LSA 4581.8 MSA 224.2 SSA 1.2
 EL1 3844.5 EL2 222.6 ALF 119.61 SG1 4452.2 SG2 712.9 TMA 116.16

LAUNCH DATE APR 16 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 436.371
 RL 150.12 LAL -.00 LOL 205.33 VL 27.416 GAL 6.14 AZL 31.60 MCA 183.03 SMA 130.56 ECC .18336 INC58.3966 V1 29.681
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.847 GAP -4.02 AZP 148.36 TAL 150.46 TAP 333.49 RCA 106.62 APO 154.50 V2 34.964
 RC 60.521 GL 56.12 GP -63.23 ZAL 84.98 ZAP 86.23 ETS 165.70 ZAE 77.66 ETE 41.38 ZAC 79.50 ETC 105.94 CLP 81.60

PLANETOCENTRIC CONIC

C3 781.905 VHL 27.963 DLA 70.87 RAL 163.72 RAD 6572.8 VEL 30.053 PTM 3.45 VMP 36.828 OPA -84.66 RAP 347.45 ECC13.8682
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 21.85 21 22 52 5071.68 -.41 247.35 73.59 19.13 22 47 24 4471.7 -7.97 245.13
 158.15 7 58 48 3313.15 -.41 96.24 73.57 19.13 8 54 2 2713.1 -7.96 94.02
 21.85 21 22 52 5071.68 -.41 247.35 73.59 19.13 22 47 24 4471.7 -7.97 245.13
 158.15 7 58 48 3313.15 -.41 96.24 73.57 19.13 8 54 2 2713.1 -7.96 94.02
 21.85 21 22 52 5071.68 -.41 247.35 73.59 19.13 22 47 24 4471.7 -7.97 245.13
 158.15 7 58 48 3313.15 -.41 96.24 73.57 19.13 8 54 2 2713.1 -7.96 94.02

DIFFERENTIAL CORRECTIONS

TDE-5.0078 TRA-3.0885 TC3 -.1843 BAU 3.5794 MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 RDE-2.7975 RRA-5.6470 RC3 -.2886 FAU-.06232 SGT 2407.6 SGR 3924.3 SG3 81.7 ST 1176.9 SR 1205.4 SS 996.4
 FDE .8995 FRA 1.3482 FC3 .0890 BSP 14324 RRT .9553 RRF -.9988 RTF -.9686 CRT .8454 CR3 .9911 CST .9091
 BDE 5.7362 BRA 6.4268 BC3 .3424 FSP -261 SGB 4803.9 R23 -.0316 R13 -.9995 LSA 1896.8 MSA 482.7 SSA .8
 EL1 1618.3 EL2 468.2 ALF 45.81 SG1 4563.1 SG2 611.9 TMA 59.01

LAUNCH DATE APR 16 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 441.887
 RL 150.12 LAL -.00 LOL 205.33 VL 27.441 GAL 6.23 AZL 62.81 MCA 185.38 SMA 130.74 ECC .18307 INC27.1947 V1 29.681
 RP 108.35 LAP -2.45 LOP 30.11 VP 37.877 GAP -3.76 AZP 117.09 TAL 149.85 TAP 335.23 RCA 106.80 APO 154.67 V2 34.977
 RC 62.420 GL 64.44 GP -80.67 ZAL 79.60 ZAP 83.13 ETS 113.21 ZAE 95.48 ETE 353.52 ZAC 95.12 ETC 57.85 CLP 42.44

PLANETOCENTRIC CONIC

C3 190.956 VHL 13.819 DLA 69.70 RAL 197.59 RAD 6571.0 VEL 17.671 PTM 2.98 VMP 18.825 OPA -73.57 RAP 111.91 ECC 4.1427
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 23.21 23 40 52 4923.62 -9.63 243.79 104.00 20.61 25 2 56 4323.6 -17.10 241.27
 156.79 10 10 59 3172.32 -9.62 94.11 103.98 20.61 11 3 51 2572.3 -17.09 91.59
 23.21 23 40 52 4923.62 -9.63 243.79 104.00 20.61 25 2 56 4323.6 -17.10 241.27
 156.79 10 10 59 3172.32 -9.62 94.11 103.98 20.61 11 3 51 2572.3 -17.09 91.59
 23.21 23 40 52 4923.62 -9.63 243.79 104.00 20.61 25 2 56 4323.6 -17.10 241.27
 156.79 10 10 59 3172.32 -9.62 94.11 103.98 20.61 11 3 51 2572.3 -17.09 91.59

DIFFERENTIAL CORRECTIONS

TDE 3.5519 TRA-3.9871 TC3 -.2479 BAU .6582 MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 RDE 1.8531 RRA -.5826 RC3 -.0707 FAU-.01346 SGT 5033.4 SGR 1055.1 SG3 119.4 ST 2052.3 SR 796.2 SS 942.7
 FDE-1.0315 FRA 1.0912 FC3 .0610 BSP 16074 RRT .8628 RRF -.8701 RTF -.9998 CRT .8752 CR3 .8891 CST .9996
 BDE 4.0062 BRA 4.0294 BC3 .2578 FSP -382 SGB 5142.8 R23 .0038 R13 -.9999 LSA 2366.7 MSA 365.0 SSA 1.0
 EL1 2171.0 EL2 364.2 ALF 19.32 SG1 5115.9 SG2 524.8 TMA 10.36

LAUNCH DATE APR 16 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 448.090
 RL 150.12 LAL -.00 LOL 205.33 VL 27.462 GAL 6.22 AZL 73.74 MCA 188.31 SMA 130.89 ECC .18186 INC16.2617 V1 29.681
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.905 GAP -3.34 AZP 106.10 TAL 149.64 TAP 337.95 RCA 107.09 APO 154.70 V2 34.990
 RC 64.367 GL 60.81 GP -79.83 ZAL 73.48 ZAP 80.72 ETS 59.93 ZAE 105.15 ETE 303.44 ZAC 101.59 ETC 10.39 CLP -24.02

PLANETOCENTRIC CONIC

C3 76.682 VHL 8.757 DLA 63.51 RAL 197.01 RAD 6569.5 VEL 14.072 PTM 2.57 VMP 12.249 OPA -63.96 RAP 121.68 ECC 2.2620
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 30.44 23 54 48 4719.58 -20.07 233.67 96.53 28.35 25 13 28 4119.6 -27.05 229.83
 149.56 9 52 25 3015.93 -20.06 91.95 96.51 28.35 10 42 41 2415.9 -27.05 88.11
 30.44 23 54 48 4719.58 -20.07 233.67 96.53 28.35 25 13 28 4119.6 -27.05 229.83
 149.56 9 52 25 3015.93 -20.06 91.95 96.51 28.35 10 42 41 2415.9 -27.05 88.11
 30.44 23 54 48 4719.58 -20.07 233.67 96.53 28.35 25 13 28 4119.6 -27.05 229.83
 149.56 9 52 25 3015.93 -20.06 91.95 96.51 28.35 10 42 41 2415.9 -27.05 88.11

DIFFERENTIAL CORRECTIONS

TDE 2.4829 TRA-2.2968 TC3 -.0791 BAU .1117 MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 RDE-1.0710 RRA 2.4558 RC3 -.0749 FAU .00317 SGT 3742.8 SGR 3672.2 SG3 188.7 ST 1913.3 SR 1288.0 SS 987.7
 FDE-1.0651 FRA 1.4108 FC3 -.0358 BSP 16400 RRT -.9645 RRF .9912 RTF -.9901 CRT -.9052 CR3 -.9644 CST .9854
 BDE 2.7040 BRA 3.3625 BC3 .1089 FSP -602 SGB 5243.5 R23 -.0067 R13 .9995 LSA 2465.6 MSA 464.9 SSA 2.0
 EL1 2259.4 EL2 463.6 ALF 147.08 SG1 5196.8 SG2 698.3 TMA 135.57

LAUNCH DATE APR 16 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 454.446

RL 150.12 LAL -1.00 LOL 205.33 VL 27.481 GAL 6.19 AZL 78.91 MCA 191.39 SMA 131.02 ECC .18065 INC11.0947 V1 29.681
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.931 GAP -2.89 AZP 100.88 TAL 149.52 TAP 340.91 RCA 107.35 APO 154.69 V2 35.003
 RC 66.356 GL 54.21 GP -74.29 ZAL 67.51 ZAP 79.48 ETS 40.84 ZAE 111.88 ETE 287.20 ZAC 105.46 ETC 357.17 CLP -47.63

PLANETOCENTRIC CONIC

C3 42.008 VML 6.481 DLA 56.95 RAL 191.21 RAD 6568.6 VEL 12.782 PTH -2.33 VMP 9.177 DPA -57.22 RAP 126.31 ECC 1.6914
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 38.28 23 51 25 4536.36 -26.81 220.78 82.02 37.67 25 7 2 3936.4 -33.02 215.38
 141.72 9 9 31 2905.13 -26.80 88.66 82.01 37.66 9 57 57 2305.1 -33.01 83.26
 38.28 23 51 25 4536.36 -26.81 220.78 82.02 37.67 25 7 2 3936.4 -33.02 215.38
 141.72 9 9 31 2905.13 -26.80 88.66 82.01 37.66 9 57 57 2305.1 -33.01 83.26
 38.28 23 51 25 4536.36 -26.81 220.78 82.02 37.67 25 7 2 3936.4 -33.02 215.38
 141.72 9 9 31 2905.13 -26.80 88.66 82.01 37.66 9 57 57 2305.1 -33.01 83.26

DIFFERENTIAL CORRECTIONS

TDE 1.3193 TRA-1.3201 TC3 -.0119 BAU .2317
 RDE -1.0412 RRA 2.7810 RC3 -.4123 FAU .01575
 FDE -.9823 FRA 1.9280 FC3 -.3247 BSP 16510
 BDE 1.6806 BRA 3.0784 BC3 .4125 FSP -908

MID-COURSE EXECUTION ACCURACY

SGT 2436.9 SGR 4631.4 SG3 282.6
 RRT -.9489 RRF .9975 RTF -.9652
 SGB 5233.4 R23 -.0083 R13 .9992
 SGI 5188.1 SG2 686.5 TMA 117.04

ORBIT DETERMINATION ACCURACY

ST 1331.2 SR 1635.8 SS 1013.3
 CRT -.8915 CRS -.9888 CST .9490
 LSA 2289.8 MSA 481.4 SSA 2.9
 EL1 2053.6 EL2 480.4 ALF 128.45

LAUNCH DATE APR 16 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 460.846

RL 150.12 LAL -1.00 LOL 205.33 VL 27.497 GAL 6.17 AZL 81.88 MCA 194.52 SMA 131.14 ECC .17962 INC 8.1168 V1 29.681
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.955 GAP -2.43 AZP 97.86 TAL 149.42 TAP 343.94 RCA 107.58 APO 154.69 V2 35.016
 RC 68.382 GL 47.03 GP -69.22 ZAL 62.09 ZAP 79.41 ETS 30.32 ZAE 117.11 ETE 279.02 ZAC 108.42 ETC 352.30 CLP -58.80

PLANETOCENTRIC CONIC

C3 27.827 VML 5.275 DLA 50.33 RAL 185.75 RAD 6568.1 VEL 12.215 PTH 2.19 VMP 7.449 DPA -51.78 RAP 128.89 ECC 1.4580
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 46.47 23 53 40 4380.13 -29.40 206.77 67.92 47.11 25 6 40 3780.1 -34.65 200.07
 133.53 8 23 47 2853.95 -29.38 86.24 67.91 47.10 9 11 21 2253.9 -34.64 79.54
 46.47 23 53 40 4380.13 -29.40 206.77 67.92 47.11 25 6 40 3780.1 -34.65 200.07
 133.53 8 23 47 2853.95 -29.38 86.24 67.91 47.10 9 11 21 2253.9 -34.64 79.54
 46.47 23 53 40 4380.13 -29.40 206.77 67.92 47.11 25 6 40 3780.1 -34.65 200.07
 133.53 8 23 47 2853.95 -29.38 86.24 67.91 47.10 9 11 21 2253.9 -34.64 79.54

DIFFERENTIAL CORRECTIONS

TDE .8057 TRA -.8191 TC3 -.0445 BAU .3079
 RDE -.8181 RRA 2.7912 RC3 -.8285 FAU .02775
 FDE -.9672 FRA 2.9509 FC3 -.8633 BSP 16406
 BDE 1.1482 BRA 2.9089 BC3 .8277 FSP -1270

MID-COURSE EXECUTION ACCURACY

SGT 1646.5 SGR 4910.0 SG3 393.8
 RRT -.9100 RRF .9984 RTF -.9230
 SGB 5178.7 R23 -.0045 R13 .9990
 SGI 5137.4 SG2 652.3 TMA 107.26

ORBIT DETERMINATION ACCURACY

ST 969.8 SR 1679.4 SS 1076.9
 CRT -.8432 CRS -.9927 CST .9020
 LSA 2168.9 MSA 465.2 SSA 3.9
 EL1 1882.7 EL2 465.1 ALF 117.81

LAUNCH DATE APR 16 1967

FLIGHT TIME 178.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 467.257

RL 150.12 LAL -1.00 LOL 205.33 VL 27.510 GAL 6.15 AZL 83.82 MCA 197.68 SMA 131.23 ECC .17882 INC 6.1797 V1 29.681
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.976 GAP -1.96 AZP 95.89 TAL 149.32 TAP 347.00 RCA 107.76 APO 154.70 V2 35.029
 RC 70.443 GL 40.08 GP -64.83 ZAL 57.40 ZAP 80.38 ETS 25.23 ZAE 121.37 ETE 272.77 ZAC 111.06 ETC 349.74 CLP -66.86

PLANETOCENTRIC CONIC

C3 20.914 VML 4.573 DLA 43.98 RAL 181.36 RAD 6567.8 VEL 11.929 PTH 2.12 VMP 6.358 DPA -47.09 RAP 130.25 ECC 1.3442
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.83 0 9 36 4236.00 -29.05 192.66 56.22 55.41 1 20 12 3636.0 -33.37 185.19
 125.17 7 36 41 2858.16 -29.04 86.33 56.21 55.40 8 24 19 2258.2 -33.36 78.86
 54.83 0 9 36 4236.00 -29.05 192.66 56.22 55.41 1 20 12 3636.0 -33.37 185.19
 125.17 7 36 41 2858.16 -29.04 86.33 56.21 55.40 8 24 19 2258.2 -33.36 78.86
 54.83 0 9 36 4236.00 -29.05 192.66 56.22 55.41 1 20 12 3636.0 -33.37 185.19
 125.17 7 36 41 2858.16 -29.04 86.33 56.21 55.40 8 24 19 2258.2 -33.36 78.86

DIFFERENTIAL CORRECTIONS

TDE .5370 TRA -.4507 TC3 -.1695 BAU .3447
 RDE -.6905 RRA 2.7526 RC3 -1.2210 FAU .03933
 FDE -1.0389 FRA 3.2350 FC3 -1.6282 BSP 16099
 BDE .8747 BRA 2.7893 BC3 1.2327 FSP -1658

MID-COURSE EXECUTION ACCURACY

SGT 1045.1 SGR 4996.2 SG3 515.8
 RRT -.7984 RRF .9985 RTF -.8117
 SGB 5104.4 R23 .0032 R13 .9988
 SGI 5066.5 SG2 620.5 TMA 99.63

ORBIT DETERMINATION ACCURACY

ST 712.8 SR 1678.3 SS 1171.9
 CRT -.7693 CRS -.9934 CST .8373
 LSA 2123.9 MSA 432.3 SSA 4.9
 EL1 1771.6 EL2 431.4 ALF 109.28

LAUNCH DATE APR 16 1967

FLIGHT TIME 180.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 473.665

RL 150.12 LAL -1.00 LOL 205.33 VL 27.521 GAL 6.15 AZL 85.19 MCA 200.86 SMA 131.31 ECC .17827 INC 4.8145 V1 29.681
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.996 GAP -1.50 AZP 94.50 TAL 149.20 TAP 350.06 RCA 107.90 APO 154.71 V2 35.042
 RC 72.534 GL 33.67 GP -80.94 ZAL 53.51 ZAP 82.25 ETS 15.73 ZAE 124.87 ETE 266.90 ZAC 113.60 ETC 348.01 CLP -73.89

PLANETOCENTRIC CONIC

C3 17.160 VML 4.142 DLA 38.08 RAL 177.90 RAD 6567.7 VEL 11.770 PTH 2.08 VMP 5.620 DPA -42.85 RAP 130.80 ECC 1.2824
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.40 0 33 42 4083.88 -27.07 178.23 47.20 62.13 1 41 46 3483.9 -30.57 170.44
 116.60 6 45 0 2917.08 -27.06 90.02 47.19 62.12 7 33 38 2317.1 -30.56 82.23
 63.40 0 33 42 4083.88 -27.07 178.23 47.20 62.13 1 41 46 3483.9 -30.57 170.44
 116.60 6 45 0 2917.08 -27.06 90.02 47.19 62.12 7 33 38 2317.1 -30.56 82.23
 63.40 0 33 42 4083.88 -27.07 178.23 47.20 62.13 1 41 46 3483.9 -30.57 170.44
 116.60 6 45 0 2917.08 -27.06 90.02 47.19 62.12 7 33 38 2317.1 -30.56 82.23

DIFFERENTIAL CORRECTIONS

TDE .3648 TRA -.1213 TC3 -.3726 BAU .3668
 RDE -.6396 RRA 2.6880 RC3 -1.5549 FAU .05068
 FDE -1.1972 FRA 3.9344 FC3 -2.5567 BSP 15820
 BDE .7365 BRA 2.6907 BC3 1.5989 FSP -2068

MID-COURSE EXECUTION ACCURACY

SGT 628.7 SGR 4975.1 SG3 640.9
 RRT -.3374 RRF .9985 RTF -.3548
 SGB 5014.7 R23 .0139 R13 .9986
 SGI 4979.7 SG2 591.3 TMA 92.48

ORBIT DETERMINATION ACCURACY

ST 508.7 SR 1671.1 SS 1289.1
 CRT -.6314 CRS -.9933 CST .7165
 LSA 2135.0 MSA 393.3 SSA 5.9
 EL1 1703.4 EL2 386.9 ALF 101.48

LAUNCH DATE APR 16 1967

FLIGHT TIME 182.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 480.063

RL 150.12 LAL -.00 LOL 205.33 VL 27.529 GAL 6.16 AZL 86.20 MCA 204.04 SMA 131.36 ECC .17797 INC 3.7961 V1 29.681
 RP 108.10 LAP -1.55 LOP 49.32 VP 38.014 GAP -1.04 AZP 93.47 TAL 149.07 TAP 353.11 RCA 107.98 APO 154.74 V2 35.056
 RC 74.652 GL 27.91 GP -57.40 ZAL 50.37 ZAP 84.89 ETS 9.79 ZAE 127.75 ETE 260.89 ZAC 116.16 ETC 346.69 CLP -80.49

PLANETOCENTRIC CONIC

C3 14.986 VML 3.871 OLA 32.74 RAL 175.18 RAD 6567.6 VEL 11.678 PTM 2.05 VMP 5.099 DPA -38.91 RAP 130.79 ECC 1.2466
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.84 1 16 40 3891.18 -24.34 161.55 40.48 67.40 2 21 31 3291.2 -27.19 153.67
 107.16 5 40 22 3048.21 -24.33 98.97 40.48 67.39 6 31 10 2448.2 -27.18 91.08
 72.84 1 16 40 3891.18 -24.34 161.55 40.48 67.40 2 21 31 3291.2 -27.19 153.67
 107.16 5 40 22 3048.21 -24.33 98.97 40.48 67.39 6 31 10 2448.2 -27.18 91.08
 110.00 7 13 4 2762.76 -30.71 79.42 42.98 74.19 7 59 7 2162.8 -32.57 70.70
 110.00 4 43 8 3224.62 -18.27 109.40 37.31 60.59 5 36 53 2624.6 -22.04 102.30

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .2278 TRA .1944 TC3 -.6411 BAU .3822 SGT 690.7 SGR 4877.9 SG3 763.0 ST 352.7 SR 1659.9 SS 1420.1
 ROE -.6281 RRA 2.6040 RC3-1.7968 FAU .06133 RRT .5771 RRF .9983 RTF .5623 CRT -.2933 CRS -.9930 CST .4039
 FDE-1.4239 FRA 4.6176 FC3-3.5426 BSP 15543 SGB 4926.5 R23 .0264 R13 .9981 LSA 2184.1 MSA 354.8 SSA 6.9
 BOE .6681 BRA 2.6113 BC3 1.9078 FSP -2476 SG1 4894.4 SG2 562.2 THA 85.27 EL1 1663.3 EL2 336.5 ALF 93.72

LAUNCH DATE APR 16 1967

FLIGHT TIME 184.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 486.448

RL 150.12 LAL -.00 LOL 205.33 VL 27.534 GAL 6.18 AZL 87.00 MCA 207.24 SMA 131.41 ECC .17792 INC 3.0032 V1 29.681
 RP 108.06 LAP -1.37 LOP 52.53 VP 38.030 GAP -.58 AZP 92.67 TAL 148.92 TAP 356.15 RCA 108.03 APO 154.79 V2 35.069
 RC 76.795 GL 22.81 GP -54.08 ZAL 47.89 ZAP 88.15 ETS 4.46 ZAE 130.05 ETE 254.62 ZAC 118.76 ETC 345.65 CLP -86.85

PLANETOCENTRIC CONIC

C3 13.691 VML 3.700 OLA 27.97 RAL 173.03 RAD 6567.5 VEL 11.622 PTM 2.04 VMP 4.725 DPA -35.16 RAP 130.41 ECC 1.2253
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 58 59 3322.79 -24.16 119.22 36.46 74.76 4 54 22 2722.8 -26.02 111.04
 90.00 2 40 51 3576.82 -18.64 135.76 34.48 68.29 3 40 28 2976.6 -21.42 128.20
 100.00 6 11 8 2896.78 -28.07 88.87 37.47 79.28 6 59 25 2296.8 -29.26 80.27
 100.00 3 11 23 3477.89 -14.97 126.82 32.78 63.82 4 9 21 2877.9 -18.37 119.67
 110.00 8 23 23 2482.86 -34.00 58.33 38.35 86.22 9 4 46 1882.9 -34.15 49.09
 110.00 3 15 38 3464.55 -9.77 122.79 29.77 57.08 4 13 23 2864.5 -14.04 118.30

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .1007 TRA .3039 TC3 -.9534 BAU .3950 SGT 1141.3 SGR 4716.7 SG3 875.6 ST 308.2 SR 1639.3 SS 1556.7
 ROE -.6307 RRA 2.3020 RC3-1.9361 FAU .07079 RRT .8794 RRF .9982 RTF .8702 CRT .3906 CRS -.9926 CST -.2765
 FDE-1.6958 FRA 5.2539 FC3-4.4763 BSP 15276 SGB 4852.9 R23 .0395 R13 .9975 LSA 2258.9 MSA 320.5 SSA 7.7
 BOE .6387 BRA 2.5522 BC3 2.1581 FSP -2859 SG1 4823.7 SG2 531.4 THA 77.84 EL1 1643.9 EL2 283.0 ALF 85.67

LAUNCH DATE APR 16 1967

FLIGHT TIME 186.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 492.817

RL 150.12 LAL -.00 LOL 205.33 VL 27.538 GAL 6.22 AZL 87.63 MCA 210.43 SMA 131.43 ECC .17813 INC 2.3650 V1 29.681
 RP 108.02 LAP -1.20 LOP 55.74 VP 38.045 GAP -.12 AZP 92.04 TAL 148.74 TAP 359.18 RCA 108.02 APO 154.84 V2 35.082
 RC 78.958 GL 18.31 GP -50.90 ZAL 45.96 ZAP 91.89 ETS 359.70 ZAE 131.79 ETE 248.11 ZAC 121.39 ETC 344.90 CLP -93.00

PLANETOCENTRIC CONIC

C3 12.927 VML 3.595 OLA 23.73 RAL 171.31 RAD 6567.5 VEL 11.589 PTM 2.03 VMP 4.456 DPA -31.54 RAP 129.79 ECC 1.2128
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 33 58 2967.83 -28.14 94.09 33.67 86.67 6 23 26 2367.8 -28.30 85.43
 90.00 0 52 10 3906.68 -9.29 155.47 28.32 63.13 1 57 16 3306.7 -12.82 148.57
 100.00 7 14 25 2643.96 -29.87 70.34 33.74 88.84 7 58 29 2044.0 -29.71 61.54
 100.00 1 54 24 3705.79 -7.75 139.89 27.50 61.04 2 56 10 3105.8 -11.56 133.16
 110.00 9 0 45 2311.29 -33.96 44.95 33.62 94.12 9 39 17 1711.3 -33.02 35.84
 110.00 2 24 33 3611.22 -4.26 130.57 25.35 56.05 3 24 44 3011.2 -8.69 124.29

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0272 TRA .8075 TC3-1.2848 BAU .4081 SGT 1682.7 SGR 4500.6 SG3 973.1 ST 424.8 SR 1605.4 SS 1692.5
 ROE -.6362 RRA 2.3824 RC3-1.9811 FAU .07876 RRT .8494 RRF .9979 RTF .9426 CRT .8355 CRS -.9923 CST -.7609
 FDE-1.9941 FRA 5.8121 FC3-5.2745 BSP 15077 SGB 4804.9 R23 .0525 R13 .9966 LSA 2353.1 MSA 291.9 SSA 8.5
 BOE .6367 BRA 2.5155 BC3 2.3612 FSP -3200 SG1 4779.0 SG2 497.9 THA 70.23 EL1 1645.0 EL2 227.8 ALF 77.29

LAUNCH DATE APR 16 1967

FLIGHT TIME 188.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 499.168

RL 150.12 LAL -.00 LOL 205.33 VL 27.540 GAL 6.27 AZL 88.16 MCA 213.64 SMA 131.44 ECC .17858 INC 1.8375 V1 29.681
 RP 107.98 LAP -1.02 LOP 58.95 VP 38.058 GAP .33 AZP 91.53 TAL 148.54 TAP 2.18 RCA 107.97 APO 154.92 V2 35.094
 RC 81.139 GL 14.37 GP -47.82 ZAL 44.46 ZAP 95.99 ETS 355.48 ZAE 132.99 ETE 241.49 ZAC 124.00 ETC 344.49 CLP -98.94

PLANETOCENTRIC CONIC

C3 12.509 VML 3.537 OLA 19.98 RAL 169.94 RAD 6567.5 VEL 11.571 PTM 2.02 VMP 4.269 DPA -28.05 RAP 129.04 ECC 1.2059
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 17 18 2785.21 -28.13 80.75 30.42 93.35 7 3 43 2185.2 -27.37 72.16
 90.00 23 53 56 4075.22 -3.98 165.01 24.96 61.94 25 1 52 3475.2 -7.70 158.31
 100.00 7 51 25 2481.71 -29.48 58.30 30.31 95.16 8 32 47 1881.7 -28.46 49.65
 100.00 1 6 26 3853.95 -2.79 148.09 24.30 60.25 2 10 40 3254.0 -6.74 141.52
 110.00 9 27 4 2182.48 -32.89 35.05 29.78 99.88 10 3 26 1582.5 -31.18 26.25
 110.00 1 47 17 3725.94 .12 136.57 22.48 55.82 2 49 23 3125.9 -4.37 130.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.1806 TRA 1.1027 TC3-1.8142 BAU .4230 SGT 2232.5 SGR 4239.8 SG3 1050.4 ST 627.7 SR 1554.6 SS 1820.6
 ROE -.6367 RRA 2.2480 RC3-1.9469 FAU .08493 RRT .9726 RRF .9976 RTF .9670 CRT .9557 CRS -.9918 CST -.9102
 FDE-2.2988 FRA 6.2667 FC3-5.8777 BSP 14992 SGB 4791.6 R23 .0638 R13 .9956 LSA 2460.3 MSA 268.8 SSA 9.2
 BOE .6566 BRA 2.5039 BC3 2.5290 FSP -3486 SG1 4769.4 SG2 461.5 THA 62.60 EL1 1667.7 EL2 172.3 ALF 68.66

LAUNCH DATE APR 16 1967

FLIGHT TIME 190.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 505.502

RL 150.12 LAL -1.00 LOL 205.33 VL 27.540 GAL 6.34 AZL 88.61 MCA 216.85 SMA 131.44 ECC .17929 INC 1.3916 V1 29.681
 RP 107.94 LAP -.83 LOP 62.17 VP 38.070 GAP .78 AZP 91.11 TAL 148.31 TAP 5.16 RCA 107.88 APO 155.01 V2 35.107
 RC 83.336 GL 10.91 GP -44.81 ZAL 43.28 ZAP 100.31 ETS 351.78 ZAE 133.66 ETE 234.95 ZAC 126.54 ETC 344.44 CLP-104.62

PLANETOCENTRIC CONIC

C3 12.332 VML 3.512 DLA 16.66 RAL 168.84 RAD 6567.5 VEL 11.564 PTH 2.02 VMP 4.148 DPA -24.67 RAP 128.27 ECC 1.2030
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 47 38 2651.44 -27.22 71.07 27.79 98.11 7 31 50 2051.4 -25.82 62.68
 90.00 23 14 52 4202.92 .13 172.14 22.83 61.68 24 24 55 3602.9 -3.65 165.51
 100.00 8 18 25 2358.68 -28.39 49.33 27.58 99.76 8 57 44 1758.7 -26.75 40.91
 100.00 0 30 42 3970.91 1.17 154.51 22.25 60.13 1 36 53 3370.9 -2.81 147.99
 110.00 9 47 31 2079.90 -31.43 27.41 26.84 104.18 10 22 11 1479.9 -29.16 18.94
 110.00 1 18 5 3822.45 3.81 141.61 20.61 56.00 2 21 48 3222.5 -.68 135.40

DIFFERENTIAL CORRECTIONS

TOE -.2894 TRA 1.3883 TC3-1.9200 BAU .4388
 ROE -.6263 RRA 2.1063 RC3-1.8434 FAU .08870
 FDE -2.5759 FRA 6.6106 FC3-6.2266 BSP 14975
 BOE .6942 BRA 2.5227 BC3 2.6617 FSP -3684

MID-COURSE EXECUTION ACCURACY

SGT 2765.4 SGR 3948.2 SG3 1104.9
 RRT .9824 RRF .9971 RTF .9775
 SGB 4820.3 R23 .0721 R13 .9945
 SG1 4801.6 SG2 424.3 TMA 55.16

ORBIT DETERMINATION ACCURACY

ST 862.2 SR 1484.5 SS 1932.7
 CRT .9876 CRS -.9910 CST -.9578
 LSA 2572.8 MSA 250.9 SSA 9.9
 EL1 1712.7 EL2 117.4 ALF 60.01

LAUNCH DATE APR 16 1967

FLIGHT TIME 192.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 511.816

RL 150.12 LAL -1.00 LOL 205.33 VL 27.538 GAL 6.42 AZL 88.99 MCA 220.06 SMA 131.43 ECC .18024 INC 1.0074 V1 29.681
 RP 107.91 LAP -.65 LOP 65.38 VP 38.080 GAP 1.24 AZP 90.77 TAL 148.06 TAP 8.11 RCA 107.74 APO 155.12 V2 35.119
 RC 85.546 GL 7.87 GP -41.89 ZAL 42.35 ZAP 104.75 ETS 348.59 ZAE 133.84 ETE 228.67 ZAC 128.92 ETC 344.80 CLP-109.99

PLANETOCENTRIC CONIC

C3 12.334 VML 3.512 DLA 13.72 RAL 167.98 RAD 6567.5 VEL 11.564 PTH 2.02 VMP 4.080 DPA -21.42 RAP 127.53 ECC 1.2030
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 11 20 2545.72 -25.98 63.58 25.80 101.67 7 53 46 1945.7 -24.11 55.41
 90.00 22 44 15 4308.69 3.54 178.05 21.50 61.89 23 56 4 3708.7 -.25 171.42
 100.00 8 39 54 2280.10 -27.06 42.31 25.54 103.22 9 17 34 1660.1 -24.97 34.13
 100.00 0 2 18 4089.54 4.50 159.94 20.97 60.42 1 10 8 3469.5 .53 153.40
 110.00 10 4 21 1995.86 -29.87 21.36 24.66 107.45 10 37 37 1395.9 -27.19 13.20
 110.00 0 54 21 3906.55 6.99 146.04 19.44 56.45 1 59 27 3806.6 2.53 139.79

DIFFERENTIAL CORRECTIONS

TOE -.4439 TRA 1.6608 TC3-2.1918 BAU .4580
 ROE -.6086 RRA 1.9579 RC3-1.7057 FAU .09067
 FDE -2.8292 FRA 6.8241 FC3-6.3646 BSP 15155
 BOE .7533 BRA 2.5674 BC3 2.7773 FSP -3820

MID-COURSE EXECUTION ACCURACY

SGT 3267.0 SGR 3637.6 SG3 1135.2
 RRT .9874 RRF .9964 RTF .9828
 SGB 4889.3 R23 .0765 R13 .9934
 SG1 4874.0 SG2 386.4 TMA 48.11

ORBIT DETERMINATION ACCURACY

ST 1107.5 SR 1400.1 SS 2029.4
 CRT .9970 CRS -.9899 CST -.9764
 LSA 2692.3 MSA 238.1 SSA 10.4
 EL1 1783.9 EL2 66.8 ALF 51.67

LAUNCH DATE APR 16 1967

FLIGHT TIME 194.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 518.109

RL 150.12 LAL -1.00 LOL 205.33 VL 27.534 GAL 6.52 AZL 89.33 MCA 223.28 SMA 131.40 ECC .18144 INC .6711 V1 29.681
 RP 107.87 LAP -.46 LOP 68.60 VP 38.088 GAP 1.69 AZP 90.49 TAL 147.77 TAP 11.05 RCA 107.56 APO 155.25 V2 35.131
 RC 87.767 GL 5.21 GP -39.06 ZAL 41.59 ZAP 109.19 ETS 345.87 ZAE 133.60 ETE 222.82 ZAC 131.08 ETC 345.56 CLP-115.05

PLANETOCENTRIC CONIC

C3 12.477 VML 3.532 DLA 11.09 RAL 167.30 RAD 6567.5 VEL 11.570 PTH 2.02 VMP 4.059 DPA -18.32 RAP 126.90 ECC 1.2033
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 30 57 2459.21 -24.65 57.59 24.37 104.39 8 11 57 1859.2 -22.44 49.63
 90.00 22 19 16 4400.11 6.45 183.19 20.76 62.37 23 32 36 3800.1 2.70 -176.58
 100.00 8 57 52 2178.90 -25.67 36.68 24.07 105.87 -9 34 11 1578.9 -23.24 28.72
 100.00 23 35 2 4155.65 7.37 164.71 20.26 60.95 24 44 18 3555.6 3.44 158.13
 110.00 10 18 44 1925.86 -28.34 16.49 23.10 109.96 10 50 50 1325.9 -25.36 8.58
 110.00 0 34 35 3981.45 9.79 150.03 18.79 57.08 1 40 57 3381.5 5.38 143.71

DIFFERENTIAL CORRECTIONS

TOE -.5929 TRA 1.9199 TC3-2.4210 BAU .4790
 ROE -.5828 RRA 1.8103 RC3-1.5446 FAU .09068
 FDE -3.0399 FRA 6.9185 FC3-6.2921 BSP 15477
 BOE .8310 BRA 2.6388 BC3 2.8718 FSP -3880

MID-COURSE EXECUTION ACCURACY

SGT 3731.1 SGR 3322.2 SG3 1142.5
 RRT .9899 RRF .9954 RTF .9858
 SGB 4995.8 R23 .0759 R13 .9925
 SG1 4983.4 SG2 351.8 TMA 41.65

ORBIT DETERMINATION ACCURACY

ST 1354.2 SR 1303.5 SS 2107.0
 CRT .9997 CRS -.9885 CST -.9851
 LSA 2814.2 MSA 229.1 SSA 10.9
 EL1 1879.5 EL2 22.6 ALF 43.91

LAUNCH DATE APR 16 1967

FLIGHT TIME 196.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 524.381

RL 150.12 LAL -1.00 LOL 205.33 VL 27.529 GAL 6.63 AZL 89.63 MCA 226.49 SMA 131.37 ECC .18290 INC .3723 V1 29.681
 RP 107.83 LAP -.27 LOP 71.82 VP 38.095 GAP 2.14 AZP 90.26 TAL 147.46 TAP 13.95 RCA 107.34 APO 155.40 V2 35.143
 RC 89.996 GL 2.86 GP -36.36 ZAL 40.96 ZAP 113.57 ETS 345.56 ZAE 133.01 ETE 217.53 ZAC 132.97 ETC 346.70 CLP-119.77

PLANETOCENTRIC CONIC

C3 12.738 VML 3.569 DLA 8.76 RAL 166.79 RAD 6567.5 VEL 11.581 PTH 2.03 VMP 4.077 DPA -15.41 RAP 126.41 ECC 1.2096
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 47 48 2387.04 -23.35 52.71 23.41 106.50 8 27 35 1787.0 -20.86 44.92
 90.00 21 58 21 4481.13 8.88 187.80 20.47 63.03 23 13 2 3881.1 5.30 181.06
 100.00 9 13 24 2110.95 -24.32 32.08 23.08 107.94 9 48 35 1510.9 -21.64 24.30
 100.00 23 15 26 4232.46 9.89 169.03 19.99 61.65 24 25 59 3632.5 6.02 162.38
 110.00 10 31 22 1867.00 -26.91 12.51 22.04 111.92 11 2 29 1267.0 -23.69 4.82
 110.00 0 17 54 4049.17 12.27 153.71 18.57 57.84 1 25 23 3449.2 7.93 147.30

DIFFERENTIAL CORRECTIONS

TOE -.7447 TRA 2.1668 TC3-2.6022 BAU .5011
 ROE -.5484 RRA 1.6684 RC3-1.3733 FAU .08884
 FDE -3.2002 FRA 6.9100 FC3-6.0382 BSP 15910
 BOE .9249 BRA 2.7347 BC3 2.9423 FSP -3868

MID-COURSE EXECUTION ACCURACY

SGT 4155.3 SGR 3013.3 SG3 1129.6
 RRT .9912 RRF .9941 RTF .9875
 SGB 5132.9 R23 .0701 R13 .9917
 SG1 5122.7 SG2 323.3 TMA 35.87

ORBIT DETERMINATION ACCURACY

ST 1596.0 SR 1198.7 SS 2164.0
 CRT .9997 CRS -.9863 CST -.9897
 LSA 2935.5 MSA 223.1 SSA 11.3
 EL1 1995.9 EL2 23.5 ALF 36.91

LAUNCH DATE APR 16 1967

FLIGHT TIME 198.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

RL 150.12 LAL -0.00 LOL 205.33 VL 27.523 GAL 6.76 AZL 89.90 MCA 229.72 SMA 131.32 ECC .18461 INC .1023 V1 29.681
 RP 107.80 LAP -0.08 LOP 75.04 VP 38.101 GAP 2.60 AZP 90.07 TAL 147.12 TAP 16.83 RCA 107.08 APO 155.57 V2 35.154
 RC 92.232 GL -0.79 GP -33.81 ZAL 40.41 ZAP 117.81 ETS 341.61 ZAE 132.17 ETE 212.84 ZAC 134.54 ETC 348.17 CLP-124.16

PLANETOCENTRIC CONIC

C3 13.104 VHL 3.620 DLA 6.66 RAL 166.43 RAD 6567.5 VEL 11.597 PTH 2.03 VHP 4.129 OPA -12.71 RAP 126.09 ECC 1.2157
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 2 39 2326.18 -22.11 48.68 22.84 108.15 8 41 25 1726.2 -19.42 41.03
 90.00 21 40 35 4554.20 11.21 192.01 20.53 63.83 22 56 30 3954.2 7.60 185.19
 100.00 9 27 10 2053.57 -23.06 28.28 22.49 109.56 10 1 24 1453.6 -20.19 20.66
 100.00 22 58 45 4302.03 12.11 173.00 20.07 62.46 24 10 27 3702.0 8.33 166.26
 110.00 10 42 41 1817.26 -25.60 9.24 21.39 113.46 11 12 58 1217.3 -22.21 1.73
 110.00 0 3 40 4111.11 14.48 157.14 18.69 58.69 1 12 11 3511.1 10.23 150.62

DIFFERENTIAL CORRECTIONS

TOE -.8982 TRA 2.4027 TC3-2.7355 BAU .5236
 ROE -.5089 RRA 1.5353 RC3-1.2042 FAU .08555
 FDE-3.3089 FRA 6.8161 FC3-5.6518 BSP 16434
 BDE 1.0323 BRA 2.8513 BC3 2.9888 FSP -3795

MID-COURSE EXECUTION ACCURACY

SGT 4538.9 SGR 2719.2 SG3 1100.2
 RRT .9916 RRF .9923 RTF .9885
 SGB 5291.1 R23 .0594 R13 .9911
 SGI 5282.5 SG2 302.5 TMA 30.82

ORBIT DETERMINATION ACCURACY

ST 1828.6 SR 1090.0 SS 2200.9
 CRT .9982 CRS -.9834 CST -.9924
 LSA 3054.1 MSA 219.3 SSA 11.6
 EL1 2128.0 EL2 56.2 ALF 30.78

LAUNCH DATE APR 16 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

RL 150.12 LAL -0.00 LOL 205.33 VL 27.515 GAL 6.91 AZL 90.14 MCA 232.94 SMA 131.27 ECC .18658 INC .1392 V1 29.681
 RP 107.77 LAP .11 LOP 78.27 VP 38.105 GAP 3.06 AZP 89.92 TAL 146.75 TAP 19.69 RCA 106.77 APO 155.76 V2 35.165
 RC 94.474 GL -1.04 GP -31.43 ZAL 39.91 ZAP 121.87 ETS 339.96 ZAE 131.15 ETE 208.77 ZAC 135.78 ETC 349.88 CLP-128.23

PLANETOCENTRIC CONIC

C3 13.568 VHL 3.684 DLA 4.79 RAL 166.19 RAD 6567.5 VEL 11.617 PTH 2.04 VHP 4.212 OPA -10.23 RAP 125.95 ECC 1.2233
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 15 59 2274.53 -20.98 45.31 22.61 109.47 8 53 53 1674.5 -18.13 37.80
 90.00 21 25 20 4620.94 13.18 195.92 20.89 64.71 22 42 21 4020.9 9.67 189.00
 100.00 9 39 34 2004.90 -21.92 25.11 22.24 110.85 10 12 59 1404.9 -18.89 17.63
 100.00 22 44 25 4365.80 14.09 176.71 20.44 63.36 23 57 11 3765.8 10.40 169.86
 110.00 10 52 59 1775.17 -24.43 6.52 21.09 114.69 11 22 34 1175.2 -20.90 359.16
 110.00 23 47 30 4168.30 16.48 160.37 19.09 59.62 24 56 59 3568.3 12.32 153.73

DIFFERENTIAL CORRECTIONS

TOE-1.0513 TRA 2.6310 TC3-2.8187 BAU .5451
 ROE -.4648 RRA 1.4139 RC3-1.0412 FAU .08087
 FDE-3.3637 FRA 6.6629 FC3-5.1601 BSP 16972
 BDE 1.1495 BRA 2.9868 BC3 3.0048 FSP -3662

MID-COURSE EXECUTION ACCURACY

SGT 4883.8 SGR 2445.8 SG3 1058.2
 RRT .9911 RRF .9899 RTF .9891
 SGB 5462.0 R23 .0458 R13 .9907
 SGI 5454.2 SG2 291.3 TMA 26.48

ORBIT DETERMINATION ACCURACY

ST 2048.4 SR 980.6 SS 2218.0
 CRT .9954 CRS -.9793 CST -.9941
 LSA 3167.0 MSA 217.2 SSA 11.9
 EL1 2269.4 EL2 84.8 ALF 25.52

LAUNCH DATE APR 16 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

RL 150.12 LAL -0.00 LOL 205.33 VL 27.506 GAL 7.08 AZL 90.36 MCA 236.17 SMA 131.20 ECC .18882 INC .3642 V1 29.681
 RP 107.73 LAP .30 LOP 81.49 VP 38.108 GAP 3.52 AZP 89.80 TAL 146.55 TAP 22.52 RCA 106.43 APO 155.97 V2 35.175
 RC 96.719 GL -2.65 GP -29.21 ZAL 39.44 ZAP 125.73 ETS 338.55 ZAE 130.02 ETE 205.27 ZAC 136.67 ETC 351.76 CLP-132.00

PLANETOCENTRIC CONIC

C3 14.127 VHL 3.759 DLA 3.10 RAL 166.05 RAD 6567.6 VEL 11.641 PTH 2.04 VHP 4.321 OPA -7.97 RAP 126.00 ECC 1.2325
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 28 8 2230.61 -19.95 42.50 22.65 110.52 9 5 18 1630.6 -16.98 35.08
 90.00 21 12 8 4682.54 14.94 199.59 21.51 65.67 22 30 10 4082.5 11.53 192.57
 100.00 9 50 55 1963.58 -20.89 22.47 22.27 111.88 10 23 39 1363.6 -17.74 15.10
 100.00 22 32 2 4424.80 15.86 180.19 21.07 64.32 23 45 47 3824.8 12.27 173.23
 110.00 11 2 29 1739.61 -23.40 4.28 21.07 115.66 11 31 28 1139.6 -19.76 357.03
 110.00 23 36 57 4221.54 18.29 163.44 19.74 60.60 24 47 19 3621.5 14.23 156.67

DIFFERENTIAL CORRECTIONS

TOE-1.2063 TRA 2.8505 TC3-2.8656 BAU .5671
 ROE -.4201 RRA 1.3030 RC3 -.8972 FAU .07582
 FDE-3.3867 FRA 6.4585 FC3-4.6462 BSP 17596
 BDE 1.2774 BRA 3.1342 BC3 3.0028 FSP -3510

MID-COURSE EXECUTION ACCURACY

SGT 5192.1 SGR 2195.9 SG3 1007.8
 RRT .9899 RRF .9867 RTF .9894
 SGB 5637.4 R23 .0304 R13 .9903
 SGI 5630.1 SG2 286.4 TMA 22.78

ORBIT DETERMINATION ACCURACY

ST 2256.1 SR 875.6 SS 2221.6
 CRT .9912 CRS -.9737 CST -.9952
 LSA 3278.0 MSA 216.2 SSA 12.1
 EL1 2417.7 EL2 108.2 ALF 21.09

LAUNCH DATE APR 16 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

RL 150.12 LAL -0.00 LOL 205.33 VL 27.496 GAL 7.26 AZL 90.57 MCA 239.39 SMA 131.13 ECC .19132 INC .5723 V1 29.681
 RP 107.70 LAP .49 LOP 84.72 VP 38.110 GAP 3.99 AZP 89.71 TAL 145.93 TAP 25.33 RCA 106.04 APO 156.22 V2 35.185
 RC 98.967 GL -4.07 GP -27.18 ZAL 38.99 ZAP 129.36 ETS 337.34 ZAE 128.85 ETE 202.30 ZAC 137.22 ETC 353.73 CLP-135.48

PLANETOCENTRIC CONIC

C3 14.780 VHL 3.844 DLA 1.57 RAL 166.02 RAD 6567.6 VEL 11.669 PTH 2.05 VHP 4.454 OPA -5.93 RAP 126.24 ECC 1.2432
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 39 19 2193.33 -19.05 40.14 22.94 111.36 9 15 52 1593.3 -15.98 32.81
 90.00 21 0 40 4739.87 16.52 203.05 22.34 66.67 22 19 40 4139.9 13.22 195.93
 100.00 10 1 24 1928.59 -19.99 20.27 22.54 112.70 10 33 32 1328.6 -16.74 12.98
 100.00 22 21 16 4479.84 17.45 183.50 21.91 65.34 23 35 56 3879.8 13.98 176.43
 110.00 11 11 19 1709.73 -22.51 2.42 21.30 116.43 11 39 49 1109.7 -18.78 355.27
 110.00 23 27 50 4271.46 19.93 166.38 20.60 61.64 24 39 2 3671.5 15.99 159.48

DIFFERENTIAL CORRECTIONS

TOE-1.3616 TRA 3.0634 TC3-2.8741 BAU .5879
 ROE -.3749 RRA 1.2040 RC3 -.7686 FAU .07026
 FDE-3.3733 FRA 6.2267 FC3-4.1157 BSP 18220
 BDE 1.4123 BRA 3.2933 BC3 2.9751 FSP -3333

MID-COURSE EXECUTION ACCURACY

SGT 5467.0 SGR 1970.7 SG3 952.3
 RRT .9879 RRF .9827 RTF .9895
 SGB 5811.3 R23 .0155 R13 .9899
 SGI 5804.2 SG2 287.8 TMA 19.65

ORBIT DETERMINATION ACCURACY

ST 2449.9 SR 776.2 SS 2211.9
 CRT .9851 CRS -.9661 CST -.9960
 LSA 3383.8 MSA 215.8 SSA 12.3
 EL1 2566.8 EL2 127.4 ALF 17.38

LAUNCH DATE APR 16 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 555.374

RL 150.12 LAL -1.00 LOL 205.33 VL 27.484 GAL 7.46 AZL 90.77 MCA 242.63 SMA 131.05 ECC .19411 INC .7672 V1 29.681
 RP 107.67 LAP .68 LOP 87.95 VP 38.111 GAP 4.47 A7P 89.65 TAL 145.48 TAP 28.11 RCA 105.61 APO 156.49 V2 35.195
 RC 101.218 GL -5.31 GP -25.32 ZAL 38.54 ZAP 132.77 ETS 336.26 ZAE 127.68 ETE 199.80 ZAC 137.45 ETC 355.71 CLP-138.70

PLANETOCENTRIC CONIC

C3 15.531 VML 3.941 DLA .20 RAL 166.07 RAD 6567.6 VEL 11.701 PTH 2.06 VMP 4.608 DPA -4.12 RAP 126.66 ECC 1.2556
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 49 43 2161.82 -18.25 38.12 23.45 112.03 9 25 45 1561.8 -15.11 30.91
 90.00 20 50 41 4793.61 17.94 206.36 23.37 67.72 22 10 34 4193.6 14.76 199.13
 100.00 10 11 9 1899.14 -19.21 18.43 23.03 113.36 10 42 48 1299.1 -15.88 11.22
 100.00 22 11 56 4531.52 18.89 186.66 22.95 66.39 23 27 27 3931.5 15.54 179.48
 110.00 11 19 36 1684.87 -21.75 .89 21.75 117.05 11 47 41 1084.9 -17.95 353.82
 110.00 23 19 58 4318.56 21.43 169.21 21.66 62.71 24 31 56 3718.6 17.60 162.18

DIFFERENTIAL CORRECTIONS

TDE-1.5172 TRA 3.2780 TC3-2.8506 BAU .6074
 RDE -.3299 RRA 1.1166 RC3 -.6560 FAU .06452
 FDE-3.3323 FRA 5.9820 FC3-3.5963 BSP 18844
 BDE 1.5527 BRA 3.4830 BC3 2.9251 FSP -3145

MID-COURSE EXECUTION ACCURACY

SGT 5711.9 SGR 1769.9 SG3 894.3
 RRT .9848 RRF .9775 RTF .9895
 SGB 5979.9 R23 .0024 R13 .9896
 SG1 5972.6 SG2 293.8 TMA 17.01

ORBIT DETERMINATION ACCURACY

ST 2629.5 SR 683.7 SS 2191.1
 CRT .9764 CRS -.9556 CST -.9967
 LSA 3483.6 MSA 215.7 SSA 12.4
 EL1 2713.1 EL2 143.2 ALF 14.29

LAUNCH DATE APR 16 1967

FLIGHT TIME 208.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 561.489

RL 150.12 LAL -1.00 LOL 205.33 VL 27.472 GAL 7.68 AZL 90.95 MCA 245.86 SMA 130.96 ECC .19720 INC .9511 V1 29.681
 RP 107.65 LAP .87 LOP 91.18 VP 38.110 GAP 4.95 A7P 89.61 TAL 145.01 TAP 30.87 RCA 105.13 APO 156.78 V2 35.204
 RC 103.470 GL -6.41 GP -23.62 ZAL 38.08 ZAP 135.97 ETS 335.28 ZAE 126.53 ETE 197.68 ZAC 137.39 ETC 357.63 CLP-141.69

PLANETOCENTRIC CONIC

C3 16.386 VML 4.048 DLA -1.05 RAL 166.20 RAD 6567.7 VEL 11.738 PTH 2.07 VMP 4.782 DPA -2.51 RAP 127.26 ECC 1.2697
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 59 27 2135.44 -17.57 36.53 24.14 112.57 9 35 2 1535.4 -14.36 29.33
 90.00 20 41 58 4844.31 19.22 209.53 24.57 68.80 22 2 43 4244.3 16.17 202.19
 100.00 10 20 18 1874.62 -18.54 16.92 23.70 113.88 10 51 33 1274.6 -15.15 9.76
 100.00 22 3 48 4580.36 20.19 189.71 24.15 67.48 23 20 8 3980.4 16.97 182.40
 110.00 11 27 26 1664.49 -21.11 359.65 22.39 117.53 11 55 10 1064.5 -17.26 352.64
 110.00 23 13 10 4363.26 22.80 171.96 22.89 63.81 24 25 53 3763.3 19.09 164.78

DIFFERENTIAL CORRECTIONS

TDE-1.6728 TRA 3.4908 TC3-2.7979 BAU .6250
 RDE -.2859 RRA 1.0397 RC3 -.5584 FAU .05874
 FDE-3.2700 FRA 5.7344 FC3-3.1034 BSP 19429
 BDE 1.6971 BRA 3.6423 BC3 2.8531 FSP -2950

MID-COURSE EXECUTION ACCURACY

SGT 5929.5 SGR 1592.1 SG3 836.1
 RRT .9805 RRF .9709 RTF .9894
 SGB 6139.5 R23 -.0087 R13 .9893
 SG1 6132.0 SG2 302.5 TMA 14.79

ORBIT DETERMINATION ACCURACY

ST 2794.4 SR 599.1 SS 2161.3
 CRT .9639 CRS -.9412 CST -.9971
 LSA 3576.6 MSA 216.0 SSA 12.6
 EL1 2853.7 EL2 156.2 ALF 11.71

LAUNCH DATE APR 16 1967

FLIGHT TIME 210.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 567.573

RL 150.12 LAL -1.00 LOL 205.33 VL 27.459 GAL 7.92 AZL 91.13 MCA 249.09 SMA 130.87 ECC .20059 INC 1.1260 V1 29.681
 RP 107.62 LAP 1.05 LOP 94.42 VP 38.108 GAP 5.43 A7P 89.60 TAL 144.52 TAP 33.61 RCA 104.61 APO 157.12 V2 35.212
 RC 105.723 GL -7.37 GP -22.09 ZAL 37.62 ZAP 138.95 ETS 334.37 ZAE 125.43 ETE 195.90 ZAC 137.07 ETC 359.45 CLP-144.47

PLANETOCENTRIC CONIC

C3 17.351 VML 4.165 DLA -2.17 RAL 166.39 RAD 6567.7 VEL 11.779 PTH 2.08 VMP 4.975 DPA -1.11 RAP 128.01 ECC 1.2856
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 8 35 2113.67 -17.00 35.19 25.00 112.99 9 43 49 1513.7 -13.74 28.03
 90.00 20 34 24 4892.41 20.37 212.59 25.93 69.90 21 55 56 4292.4 17.45 205.13
 100.00 10 28 55 1854.54 -17.98 15.69 24.55 114.29 10 59 49 1254.5 -14.55 8.57
 100.00 21 56 45 4626.77 21.38 192.65 25.52 68.59 23 13 52 4026.8 18.28 185.22
 110.00 11 34 50 1648.18 -20.60 358.67 23.19 117.90 12 2 18 1048.2 -16.70 351.71
 110.00 23 7 19 4405.90 24.05 174.63 24.27 64.94 24 20 45 3805.9 20.47 167.32

DIFFERENTIAL CORRECTIONS

TDE-1.8267 TRA 3.7084 TC3-2.7163 BAU .6396
 RDE -.2424 RRA .9732 RC3 -.4730 FAU .05286
 FDE-3.1877 FRA 5.4959 FC3-2.6373 BSP 19923
 BDE 1.8427 BRA 3.8340 BC3 2.7571 FSP -2745

MID-COURSE EXECUTION ACCURACY

SGT 6123.0 SGR 1435.6 SG3 779.0
 RRT .9747 RRF .9628 RTF .9892
 SGB 6289.1 R23 -.0171 R13 .9890
 SG1 6281.3 SG2 313.0 TMA 12.90

ORBIT DETERMINATION ACCURACY

ST 2943.3 SR 522.3 SS 2122.2
 CRT .9458 CRS -.9208 CST -.9975
 LSA 3659.6 MSA 216.4 SSA 12.7
 EL1 2984.6 EL2 167.3 ALF 9.56

LAUNCH DATE APR 16 1967

FLIGHT TIME 212.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 573.622

RL 150.12 LAL -1.00 LOL 205.33 VL 27.445 GAL 8.19 AZL 91.29 MCA 252.33 SMA 130.76 ECC .20431 INC 1.2936 V1 29.681
 RP 107.60 LAP 1.23 LOP 97.65 VP 38.105 GAP 5.93 A7P 89.61 TAL 144.00 TAP 36.33 RCA 104.05 APO 157.48 V2 35.220
 RC 107.975 GL -8.21 GP -20.70 ZAL 37.15 ZAP 141.73 ETS 333.47 ZAE 124.38 ETE 194.40 ZAC 136.51 ETC 1.14 CLP-147.06

PLANETOCENTRIC CONIC

C3 18.436 VML 4.294 DLA -3.19 RAL 166.65 RAD 6567.7 VEL 11.824 PTH 2.09 VMP 5.184 DPA .11 RAP 128.91 ECC 1.3034
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 17 12 2096.09 -16.53 34.12 26.01 113.32 9 52 8 1496.1 -13.23 26.99
 90.00 20 27 49 4938.25 21.42 215.54 27.43 71.02 21 50 7 4338.3 18.63 207.98
 100.00 10 37 3 1838.50 -17.53 14.71 25.55 114.61 11 7 42 1238.5 -14.06 7.63
 100.00 21 50 39 4671.07 22.45 195.50 27.03 69.73 23 8 30 4071.1 19.49 187.96
 110.00 11 41 53 1635.57 -20.19 357.91 24.15 118.19 12 9 8 1035.6 -16.27 350.99
 110.00 23 2 19 4446.77 25.21 177.25 25.81 66.11 24 16 26 3846.8 21.76 169.79

DIFFERENTIAL CORRECTIONS

TDE-1.9851 TRA 3.9264 TC3-2.6231 BAU .6541
 RDE -.2017 RRA .9141 RC3 -.4024 FAU .04753
 FDE-3.1032 FRA 5.2609 FC3-2.2317 BSP 20465
 BDE 1.9953 BRA 4.0314 BC3 2.6538 FSP -2561

MID-COURSE EXECUTION ACCURACY

SGT 6295.0 SGR 1297.8 SG3 724.2
 RRT .9672 RRF .9530 RTF .9890
 SGB 6427.3 R23 -.0241 R13 .9888
 SG1 6419.2 SG2 323.1 TMA 11.31

ORBIT DETERMINATION ACCURACY

ST 3082.1 SR 454.8 SS 2081.7
 CRT .9207 CRS -.8932 CST -.9978
 LSA 3740.7 MSA 216.6 SSA 12.8
 EL1 3110.5 EL2 175.9 ALF 7.76

LAUNCH DATE APR 16 1967

FLIGHT TIME 214.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 579.634

RL 150.12 LAL -.00 LOL 205.33 VL 27.430 GAL 8.47 AZL 91.46 MCA 255.57 SMA 130.66 ECC .20836 INC 1.4552 V1 29.681
 RP 107.58 LAP 1.41 LOP 100.89 VP 38.101 GAP 6.44 A7P 89.64 TAL 143.47 TAP 39.03 RCA 103.43 APO 157.88 V2 35.227
 RC 110.226 GL -8.94 GP -19.44 ZAL 36.66 ZAP 144.33 ETS 332.57 ZAE 123.40 ETE 193.13 ZAC 135.74 ETC 2.67 CLP-149.49

PLANETOCENTRIC CONIC

C3 19.654 VML 4.433 DLA -4.12 RAL 166.96 RAD 6567.8 VEL 11.876 PTH 2.11 VMP 5.410 OPA 1.15 RAP 129.95 ECC 1.3235
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 25 21 2082.35 -16.16 33.28 27.16 113.58 10 0 4 1482.4 -12.83 26.18
 90.00 20 22 8 4982.16 22.36 218.42 29.06 72.16 21 45 10 4382.2 19.71 210.74
 100.00 10 44 46 1826.18 -17.18 13.96 26.68 114.85 11 15 12 1226.2 -13.68 6.91
 100.00 21 45 24 4713.57 23.42 198.28 28.67 70.88 23 3 58 4113.6 20.60 190.62
 110.00 11 48 35 1626.39 -19.90 357.36 25.24 118.39 12 15 41 1026.4 -15.95 350.46
 110.00 22 58 4 4486.13 26.27 179.82 27.48 67.29 24 12 51 3886.1 22.96 172.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.1444 TRA 4.1507 TC3-2.5130 BAU .6664 SGT 6447.5 SGR 1176.8 SG3 672.2 ST 3207.5 SR 395.6 SS 2037.1
 RDE -.1624 RRA .8624 RC3 -.3421 FAU .04242 RRT .9578 RRF .9411 RTF .9887 CRT .8851 CRS -.8550 CST -.9981
 FDE-3.0117 FRA 5.0397 FC3-1.8685 BSP 20956 SGB 6554.0 R23 -.0295 R13 .9885 LSA 3814.1 MSA 216.7 SSA 12.8
 BDE 2.1505 BRA 4.2394 BC3 2.5362 FSP -2382 SGI 6545.6 SG2 335.0 TMA 9.94 EL1 3226.6 EL2 183.1 ALF 6.25

LAUNCH DATE APR 16 1967

FLIGHT TIME 216.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 585.604

RL 150.12 LAL -.00 LOL 205.33 VL 27.414 GAL 8.78 AZL 91.61 MCA 258.81 SMA 130.55 ECC .21278 INC 1.6123 V1 29.681
 RP 107.56 LAP 1.58 LOP 104.13 VP 38.095 GAP 6.97 A7P 89.69 TAL 142.92 TAP 41.72 RCA 102.77 APO 158.33 V2 35.233
 RC 112.475 GL -9.57 GP -18.30 ZAL 36.16 ZAP 146.76 ETS 331.65 ZAE 122.48 ETE 192.05 ZAC 134.80 ETC 4.05 CLP-151.76

PLANETOCENTRIC CONIC

C3 21.019 VML 4.585 DLA -4.95 RAL 167.31 RAD 6567.9 VEL 11.933 PTH 2.12 VMP 5.653 OPA 2.04 RAP 131.10 ECC 1.3459
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 33 4 2072.18 -15.88 32.66 28.44 113.76 10 7 37 1472.2 -12.53 25.58
 90.00 20 17 15 5024.38 23.22 221.22 30.81 73.32 21 40 59 4424.4 20.71 213.44
 100.00 10 52 5 1817.30 -16.92 13.43 27.94 115.01 11 22 22 1217.3 -13.41 6.40
 100.00 21 40 55 4754.50 24.31 201.00 30.44 72.05 23 0 10 4154.5 21.63 193.23
 110.00 11 54 59 1620.39 -19.70 357.01 26.47 118.52 12 21 59 1020.4 -15.74 350.12
 110.00 22 54 31 4524.18 27.24 182.34 29.27 68.50 24 9 55 3924.2 24.07 174.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.3061 TRA 4.3829 TC3-2.3903 BAU .6766 SGT 6583.1 SGR 1070.5 SG3 623.5 ST 3321.2 SR 344.8 SS 1990.6
 RDE -.1247 RRA .8171 RC3 -.2907 FAU .03762 RRT .9463 RRF .9270 RTF .9885 CRT .8354 CRS -.8026 CST -.9983
 FDE-2.9181 FRA 4.8334 FC3-1.5495 BSP 21404 SGB 6669.6 R23 -.0336 R13 .9882 LSA 3881.4 MSA 216.7 SSA 12.8
 BDE 2.3095 BRA 4.4584 BC3 2.4079 FSP -2212 SGI 6660.8 SG2 342.1 TMA 8.77 EL1 3333.8 EL2 188.8 ALF 4.97

LAUNCH DATE APR 16 1967

FLIGHT TIME 218.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 591.530

RL 150.12 LAL -.00 LOL 205.33 VL 27.398 GAL 9.12 AZL 91.77 MCA 262.05 SMA 130.43 ECC .21759 INC 1.7660 V1 29.681
 RP 107.54 LAP 1.75 LOP 107.37 VP 38.089 GAP 7.51 A7P 89.76 TAL 142.35 TAP 44.39 RCA 102.05 APO 158.82 V2 35.239
 RC 114.720 GL -10.11 GP -17.28 ZAL 35.65 ZAP 149.04 ETS 330.66 ZAE 121.63 ETE 191.13 ZAC 133.71 ETC 5.26 CLP-153.91

PLANETOCENTRIC CONIC

C3 22.548 VML 4.748 DLA -5.71 RAL 167.71 RAD 6567.9 VEL 11.997 PTH 2.14 VMP 5.913 OPA 2.78 RAP 132.37 ECC 1.3711
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 40 25 2065.34 -15.69 32.25 29.83 113.88 10 14 49 1465.3 -12.33 25.18
 90.00 20 13 5 5065.14 23.99 223.96 32.68 74.48 21 37 30 4465.1 21.62 216.08
 100.00 10 59 2 1811.66 -16.76 13.09 29.32 115.12 11 29 13 1211.7 -13.24 6.07
 100.00 21 37 8 4794.06 25.11 203.66 32.32 73.23 22 57 2 4194.1 22.58 195.78
 110.00 12 1 5 1617.37 -19.60 356.83 27.80 118.58 12 28 2 1017.4 -15.64 349.95
 110.00 22 51 34 4561.11 28.14 184.84 31.18 69.74 24 7 35 3961.1 25.12 176.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.4708 TRA 4.6239 TC3-2.2586 BAU .6849 SGT 6702.9 SGR 976.8 SG3 578.1 ST 3423.7 SR 302.2 SS 1942.9
 RDE -.0883 RRA .7770 RC3 -.2470 FAU .03315 RRT .9323 RRF .9106 RTF .9882 CRT .7672 CRS -.7316 CST -.9985
 FDE-2.8242 FRA 4.6422 FC3-1.2727 BSP 21826 SGB 6773.7 R23 -.0366 R13 .9880 LSA 3942.2 MSA 216.5 SSA 12.8
 BDE 2.4724 BRA 4.6887 BC3 2.2721 FSP -2054 SGI 6764.6 SG2 350.1 TMA 7.76 EL1 3431.6 EL2 193.4 ALF 3.89

LAUNCH DATE APR 16 1967

FLIGHT TIME 220.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 597.407

RL 150.12 LAL -.00 LOL 205.33 VL 27.381 GAL 9.49 AZL 91.92 MCA 265.29 SMA 130.31 ECC .22282 INC 1.9173 V1 29.681
 RP 107.52 LAP 1.91 LOP 110.61 VP 38.081 GAP 8.06 A7P 89.84 TAL 141.77 TAP 47.06 RCA 101.28 APO 159.35 V2 35.244
 RC 116.961 GL -10.57 GP -16.35 ZAL 35.13 ZAP 151.18 ETS 329.59 ZAE 120.83 ETE 190.34 ZAC 132.49 ETC 6.33 CLP-155.94

PLANETOCENTRIC CONIC

C3 24.262 VML 4.926 DLA -6.39 RAL 168.14 RAD 6568.0 VEL 12.068 PTH 2.16 VMP 6.189 OPA 3.39 RAP 133.72 ECC 1.3993
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 47 19 2061.64 -15.59 32.02 31.33 113.94 10 21 41 1461.6 -12.22 24.96
 90.00 20 9 35 5104.60 24.68 226.64 34.65 75.65 21 34 39 4504.6 22.47 218.67
 100.00 11 5 37 1809.05 -16.68 12.93 30.80 115.17 11 35 46 1209.0 -13.16 5.92
 100.00 21 33 58 4832.43 25.84 206.28 34.30 74.43 22 54 30 4232.4 23.45 198.30
 110.00 12 6 54 1617.17 -19.60 356.81 29.25 118.59 12 33 52 1017.2 -15.63 349.94
 110.00 22 49 10 4597.08 28.96 187.32 33.21 70.99 24 5 47 3997.1 26.09 179.31

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.6358 TRA 4.8792 TC3-2.1145 BAU .6892 SGT 6808.5 SGR 894.4 SG3 535.9 ST 3512.8 SR 267.7 SS 1892.9
 RDE -.0527 RRA .7418 RC3 -.2087 FAU .02880 RRT .9155 RRF .8916 RTF .9879 CRT .6750 CRS -.6370 CST -.9987
 FDE-2.7277 FRA 4.4701 FC3-1.0276 BSP 22131 SGB 6867.0 R23 -.0383 R13 .9877 LSA 3993.5 MSA 216.3 SSA 12.8
 BDE 2.6363 BRA 4.9353 BC3 2.1248 FSP -1898 SGI 6857.7 SG2 357.2 TMA 6.88 EL1 3517.5 EL2 197.2 ALF 2.95

LAUNCH DATE APR 17 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUN 26 1967

HELIOCENTRIC CONIC

DISTANCE 121.775

RL 150.16 LAL -.00 LOL 206.31 VL 13.468 GAL 38.48 AZL 87.00 HCA 26.74 SMA 83.67 ECC .87994 INC 2.9967 V1 29.673
 RP 108.36 LAP 1.35 LOP 233.02 VP 29.382 GAP -60.18 AZP 87.32 TAL 173.48 TAP 200.22 RCA 10.04 APO 157.29 V2 34.973
 RC 99.454 GL 1.52 GP 2.57 ZAL 67.59 ZAP 38.54 ETS 186.51 ZAE 132.27 ETE 178.85 ZAC 162.17 ETC 73.80 CLP 38.46

PLANETOCENTRIC CONIC

C3 429.057 VHL 20.714 OLA 16.66 RAL 141.65 RAD 6572.2 VEL 23.460 PTH 3.29 VHP 32.888 DPA 26.88 RAP 91.42 ECC 8.0612
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 55 14 3372.81 -23.22 122.58 55.12 73.33 5 51 27 2772.8 -25.29 114.52
 90.00 21 22 29 4924.16 21.10 214.63 41.14 70.67 22 44 33 4324.2 18.27 207.10
 100.00 6 26 1 3080.04 -25.09 101.66 55.74 73.19 7 17 21 2480.0 -27.15 93.47
 100.00 22 34 23 4692.15 22.94 196.87 40.44 70.29 23 52 36 4092.2 20.04 189.27
 110.00 7 55 7 2801.26 -29.96 82.17 57.42 72.72 8 41 48 2201.3 -32.03 73.57
 110.00 23 21 46 4543.70 27.72 183.66 38.49 69.15 24 37 30 3943.7 24.63 175.85

DIFFERENTIAL CORRECTIONS

TOE .7981 TRA-2.2820 TC3 -.1003 BAU .5753
 RDE-1.5355 RRA -.6491 RC3 .0006 FAU .01088
 FDE -.2769 FRA .7412 FC3 -.0219 BSP 1866
 BOE 1.7305 BRA 2.3725 BC3 .1003 FSP -42

MID-COURSE EXECUTION ACCURACY

SGT 809.6 SGR 464.2 SG3 21.2
 RRT .0765 RRF -.0685 RTF -.6061
 SGB 933.3 R23 .0004 R13 -.6065
 SGI 810.8 SG2 462.2 TMA 3.73

ORBIT DETERMINATION ACCURACY

ST 296.6 SR 428.4 SS 284.1
 CRT -.6504 CRS -.6752 CST .9971
 LSA 541.1 MSA 243.4 SSA 14.2
 EL1 480.9 EL2 200.7 ALF 119.98

LAUNCH DATE APR 17 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUN 28 1967

HELIOCENTRIC CONIC

DISTANCE 126.767

RL 150.16 LAL -.00 LOL 208.31 VL 14.326 GAL 36.44 AZL 87.65 HCA 29.92 SMA 84.94 ECC .85693 INC 2.3507 V1 29.673
 RP 108.40 LAP 1.17 LOP 236.21 VP 29.770 GAP -57.57 AZP 87.96 TAL 172.56 TAP 202.48 RCA 12.15 APO 157.73 V2 34.960
 RC 97.034 GL 1.36 GP 2.62 ZAL 66.16 ZAP 37.01 ETS 186.74 ZAE 132.10 ETE 178.52 ZAC 161.50 ETC 69.07 CLP 36.93

PLANETOCENTRIC CONIC

C3 394.224 VHL 19.855 OLA 16.06 RAL 143.01 RAD 6572.1 VEL 22.705 PTH 3.26 VHP 31.755 DPA 27.01 RAP 93.28 ECC 7.4879
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 8 27 3342.48 -23.80 120.55 55.77 74.19 6 2 9 2742.5 -25.74 112.42
 90.00 21 22 8 4938.36 21.42 215.55 42.04 71.02 22 44 27 4338.4 18.63 207.99
 100.00 6 36 44 3051.31 -25.64 99.71 56.35 74.08 7 27 35 2451.3 -27.58 91.44
 100.00 22 34 38 4704.76 23.23 197.70 41.36 70.63 23 52 57 4104.8 20.37 190.07
 110.00 8 4 49 2775.71 -30.48 80.35 57.93 73.69 8 51 5 2175.7 -32.40 71.67
 110.00 23 22 57 4553.12 27.95 184.30 39.46 69.46 24 38 50 3953.1 24.90 176.46

DIFFERENTIAL CORRECTIONS

TOE .8148 TRA-2.3041 TC3 -.1074 BAU .5658
 RDE-1.4860 RRA -.6496 RC3 .0011 FAU .01087
 FDE -.2938 FRA .7683 FC3 -.0239 BSP 1982
 BOE 1.6948 BRA 2.3939 BC3 .1074 FSP -46

MID-COURSE EXECUTION ACCURACY

SGT 846.0 SGR 471.1 SG3 22.8
 RRT .0811 RRF -.0729 RTF -.6243
 SGB 968.4 R23 .0002 R13 -.6247
 SGI 847.3 SG2 468.9 TMA 3.73

ORBIT DETERMINATION ACCURACY

ST 313.9 SR 432.8 SS 300.4
 CRT -.6528 CRS -.6818 CST .9970
 LSA 559.7 MSA 250.2 SSA 14.4
 EL1 492.0 EL2 209.2 ALF 121.71

LAUNCH DATE APR 17 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUN 30 1967

HELIOCENTRIC CONIC

DISTANCE 131.905

RL 150.16 LAL -.00 LOL 206.31 VL 15.138 GAL 34.61 AZL 88.18 HCA 33.10 SMA 86.26 ECC .83322 INC 1.8188 V1 29.673
 RP 108.44 LAP .99 LOP 239.39 VP 30.155 GAP -55.10 AZP 88.48 TAL 171.64 TAP 204.74 RCA 14.39 APO 158.14 V2 34.947
 RC 94.621 GL 1.19 GP 2.68 ZAL 64.77 ZAP 35.51 ETS 186.99 ZAE 131.99 ETE 178.15 ZAC 160.70 ETC 64.63 CLP 35.43

PLANETOCENTRIC CONIC

C3 362.403 VHL 19.037 OLA 15.45 RAL 144.32 RAD 6572.0 VEL 21.993 PTH 3.24 VHP 30.660 DPA 27.11 RAP 95.17 ECC 6.9642
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 17 22 3311.82 -24.35 118.47 56.31 75.09 6 12 34 2711.8 -26.17 110.27
 90.00 21 21 38 4951.95 21.72 216.44 42.85 71.57 22 44 10 4352.0 18.97 208.84
 100.00 6 47 10 3022.19 -26.17 97.70 56.84 75.01 7 37 33 2422.2 -27.97 89.36
 100.00 22 34 31 4716.82 23.50 198.49 42.20 70.97 23 53 7 4116.8 20.68 190.83
 110.00 8 14 16 2749.69 -30.95 78.48 58.31 74.70 9 0 6 2149.7 -32.73 69.72
 110.00 23 23 54 4562.08 28.16 184.91 40.35 69.77 24 39 56 3962.1 25.14 177.03

DIFFERENTIAL CORRECTIONS

TOE .8335 TRA-2.3245 TC3 -.1144 BAU .5543
 RDE-1.4365 RRA -.6485 RC3 .0017 FAU .01089
 FDE -.3113 FRA .7953 FC3 -.0260 BSP 2162
 BOE 1.6808 BRA 2.4133 BC3 .1144 FSP -51

MID-COURSE EXECUTION ACCURACY

SGT 882.9 SGR 477.5 SG3 24.5
 RRT .0847 RRF -.0770 RTF -.6421
 SGB 1003.7 R23 -.0005 R13 -.6425
 SGI 884.2 SG2 475.1 TMA 3.69

ORBIT DETERMINATION ACCURACY

ST 332.4 SR 436.6 SS 317.2
 CRT -.6561 CRS -.6883 CST .9970
 LSA 579.5 MSA 256.4 SSA 14.6
 EL1 503.9 EL2 217.4 ALF 123.60

LAUNCH DATE APR 17 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 2 1967

HELIOCENTRIC CONIC

DISTANCE 137.180

RL 150.16 LAL -.00 LOL 206.31 VL 15.906 GAL 32.94 AZL 88.63 HCA 36.28 SMA 87.62 ECC .80902 INC 1.3709 V1 29.673
 RP 108.48 LAP .81 LOP 242.58 VP 30.553 GAP -52.76 AZP 88.89 TAL 170.71 TAP 206.99 RCA 16.73 APO 158.51 V2 34.935
 RC 92.217 GL 1.00 GP 2.75 ZAL 63.43 ZAP 34.04 ETS 187.27 ZAE 131.94 ETE 177.77 ZAC 159.77 ETC 60.52 CLP 33.95

PLANETOCENTRIC CONIC

C3 333.292 VHL 18.256 OLA 14.84 RAL 145.57 RAD 6571.9 VEL 21.321 PTH 3.21 VHP 29.601 DPA 27.20 RAP 97.09 ECC 6.4851
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 27 59 3280.79 -24.88 116.35 56.72 76.03 6 22 40 2680.8 -26.56 108.08
 90.00 21 20 58 4964.92 22.00 217.28 43.59 71.71 22 43 43 4364.9 19.30 209.65
 100.00 6 57 80 2992.64 -26.67 95.65 57.22 75.98 7 47 13 2592.6 -28.34 87.24
 100.00 22 34 18 4728.31 23.75 199.25 42.95 71.29 23 53 7 4128.3 20.97 191.56
 110.00 8 23 58 2723.15 -31.41 76.55 58.58 75.76 9 8 51 2123.1 -33.04 67.71
 110.00 23 24 40 4570.57 28.36 185.49 41.15 70.06 24 40 51 3970.6 25.38 177.58

DIFFERENTIAL CORRECTIONS

TOE .8494 TRA-2.3477 TC3 -.1219 BAU .5431
 RDE-1.3871 RRA -.6461 RC3 .0025 FAU .01091
 FDE -.3288 FRA .8230 FC3 -.0283 BSP 2298
 BOE 1.6265 BRA 2.4350 BC3 .1219 FSP -56

MID-COURSE EXECUTION ACCURACY

SGT 922.0 SGR 483.3 SG3 26.3
 RRT .0894 RRF -.0818 RTF -.6593
 SGB 1041.0 R23 -.0009 R13 -.6597
 SGI 923.4 SG2 480.6 TMA 3.68

ORBIT DETERMINATION ACCURACY

ST 351.5 SR 439.8 SS 334.3
 CRT -.6576 CRS -.6937 CST .9969
 LSA 599.7 MSA 262.4 SSA 14.9
 EL1 515.8 EL2 225.8 ALF 125.51

LAUNCH DATE APR 17 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 4 1967

HELIOCENTRIC CONIC

DISTANCE 142.584

RL 150.16 LAL -.00 LOL 206.31 VL 16.632 GAL 31.42 AZL 89.01 MCA 39.46 SMA 89.01 ECC .78451 INC .9862 VI 29.673
 RP 108.51 LAP .63 LOP 245.76 VP 30.903 GAP -50.54 ATP 89.24 TAL 169.78 TAP 209.24 RCA 19.18 APO 158.84 VZ 34.923
 RC 89.824 GL .80 GP 2.82 ZAL 62.13 ZAP 32.60 ETS 187.57 ZAE 131.95 ETE 177.35 ZAC 158.73 ETC 56.74 CLP 32.49

PLANETOCENTRIC CONIC

C3 306.626 VML 17.511 DLA 14.22 RAL 146.76 RAD 6571.8 VEL 20.687 PTH 3.18 VMP 28.577 DPA 27.27 RAP 99.03 ECC 6.0463
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 38 20 3249.36 -25.38 114.18 57.02 77.00 6 32 29 2649.4 -26.92 105.85
 90.00 21 20 9 4977.27 22.26 218.09 44.24 72.03 22 43 6 4377.3 19.60 210.43
 100.00 7 7 15 2962.64 -27.15 93.55 57.47 76.99 7 56 37 2362.6 -28.67 85.08
 100.00 22 33 56 4739.23 23.99 199.98 43.63 71.60 23 52 55 4139.2 21.25 192.25
 110.00 8 32 26 2696.08 -31.84 74.56 58.72 76.86 9 17 22 2096.1 -33.32 65.64
 110.00 23 25 14 4578.55 28.54 186.04 41.88 70.34 24 41 32 3978.5 25.60 178.10

DIFFERENTIAL CORRECTIONS

TDE .8645 TRA-2.5715 TC3 -.1296 BAU .5314
 RDE -1.3377 RRA -.6422 RC3 .0033 FAU .01094
 FDE -.3467 FRA .8512 FC3 -.0309 BSP 2433
 BDE 1.5927 BRA 2.4569 BC3 .1296 FSP -61

MID-COURSE EXECUTION ACCURACY

SGT 962.7 SGR 488.6 SG3 28.3
 RRT .0944 RRF -.0869 RTF -.6759
 SGB 1079.6 R23 -.0012 R13 -.6763
 SGI 964.2 SG2 -485.6 THA 3.68

ORBIT DETERMINATION ACCURACY

ST 371.3 SR 442.5 SS 351.8
 CRT -.6585 CRS -.6985 CST .9968
 LSA 620.8 MSA 268.2 SSA 15.1
 EL1 528.1 EL2 234.2 ALF 127.51

LAUNCH DATE APR 17 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 6 1967

HELIOCENTRIC CONIC

DISTANCE 148.108

RL 150.16 LAL -.00 LOL 206.31 VL 17.317 GAL 30.00 AZL 89.35 MCA 42.64 SMA 90.42 ECC .75987 INC .6503 VI 29.673
 RP 108.55 LAP .44 LOP 248.94 VP 31.264 GAP -48.43 ATP 89.52 TAL 168.85 TAP 211.49 RCA 21.71 APO 159.13 VZ 34.911
 RC 87.444 GL .58 GP 2.89 ZAL 60.88 ZAP 31.18 ETS 187.91 ZAE 132.02 ETE 176.91 ZAC 157.59 ETC 53.29 CLP 31.06

PLANETOCENTRIC CONIC

C3 282.171 VML 16.798 DLA 13.59 RAL 147.90 RAD 6571.6 VEL 20.087 PTH 3.14 VMP 27.584 DPA 27.31 RAP 101.00 ECC 5.6438
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 48 25 3217.49 -25.85 111.97 57.19 78.02 6 42 2 2617.5 -27.24 103.58
 90.00 21 19 10 4988.99 22.50 218.87 44.82 72.34 22 42 19 4389.0 19.88 211.18
 100.00 7 16 53 2932.14 -27.60 91.59 57.61 78.04 8 5 45 2332.1 -28.97 82.86
 100.00 22 33 22 4749.57 24.21 200.67 44.22 71.90 23 52 32 4149.6 21.51 192.91
 110.00 8 41 10 2668.45 -32.25 72.51 58.75 78.01 9 25 38 2068.5 -33.57 63.52
 110.00 23 25 35 4586.03 28.71 186.55 42.51 70.60 24 42 1 3986.0 25.80 178.59

DIFFERENTIAL CORRECTIONS

TDE .8790 TRA-2.3934 TC3 -.1378 BAU .5192
 RDE -1.2884 RRA -.6370 RC3 .0043 FAU .01099
 FDE -.3649 FRA .8790 FC3 -.0337 BSP 2579
 BDE 1.5597 BRA 2.4787 BC3 .1378 FSP -67

MID-COURSE EXECUTION ACCURACY

SGT 1005.0 SGR 493.3 SG3 30.4
 RRT .0996 RRF -.0921 RTF -.6919
 SGB 1119.6 R23 -.0017 R13 -.6923
 SGI 1006.6 SG2 490.1 THA 3.67

ORBIT DETERMINATION ACCURACY

ST 392.0 SR 444.6 SS 369.8
 CRT -.6590 CRS -.7028 CST .9966
 LSA 642.7 MSA 273.5 SSA 15.3
 EL1 540.9 EL2 242.3 ALF 129.58

LAUNCH DATE APR-17 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 8 1967

HELIOCENTRIC CONIC

DISTANCE 153.746

RL 150.16 LAL -.00 LOL 206.31 VL 17.964 GAL 28.68 AZL 89.65 MCA 45.81 SMA 91.85 ECC .73523 INC .3526 VI 29.673
 RP 108.59 LAP .25 LOP 252.12 VP 31.615 GAP -46.42 ATP 89.75 TAL 167.93 TAP 213.74 RCA 24.32 APO 159.38 VZ 34.899
 RC 85.078 GL .35 GP 2.97 ZAL 59.67 ZAP 29.78 ETS 188.28 ZAE 132.15 ETE 176.42 ZAC 156.36 ETC 50.16 CLP 29.64

PLANETOCENTRIC CONIC

C3 259.723 VML 16.116 DLA 12.96 RAL 148.99 RAD 6571.5 VEL 19.520 PTH 3.11 VMP 26.621 DPA 27.35 RAP 102.99 ECC 5.2744
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 58 13 3185.13 -26.29 109.70 57.25 79.08 6 51 18 2585.1 -27.53 101.25
 90.00 21 18 0 5000.10 22.73 219.60 45.31 72.65 22 41 20 4400.1 20.14 211.89
 100.00 7 26 17 2901.12 -28.02 89.18 57.62 79.13 8 14 38 2301.1 -29.23 80.59
 100.00 22 32 38 4759.34 24.41 201.32 44.73 72.19 23 51 57 4159.3 21.75 193.54
 110.00 8 49 40 2640.24 -32.63 70.40 58.65 79.21 9 33 40 2040.2 -33.78 61.35
 110.00 23 25 44 4592.99 28.87 187.04 43.06 70.85 24 42 17 3993.0 25.98 179.04

DIFFERENTIAL CORRECTIONS

TDE .8924 TRA-2.4198 TC3 -.1458 BAU .5066
 RDE -1.2393 RRA -.6307 RC3 .0035 FAU .01104
 FDE -.3834 FRA .9090 FC3 -.0368 BSP 2718
 BDE 1.5272 BRA 2.5006 BC3 .1459 FSP -72

MID-COURSE EXECUTION ACCURACY

SGT 1049.2 SGR 497.4 SG3 32.6
 RRT .1053 RRF -.0977 RTF -.7073
 SGB 1161.1 R23 -.0021 R13 -.7077
 SGI 1050.9 SG2 493.8 THA 3.67

ORBIT DETERMINATION ACCURACY

ST 413.5 SR 446.0 SS 388.2
 CRT -.6589 CRS -.7066 CST .9964
 LSA 665.5 MSA 278.4 SSA 15.5
 EL1 554.3 EL2 250.3 ALF 131.73

LAUNCH DATE APR 17 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 10 1967

HELIOCENTRIC CONIC

DISTANCE 159.491

RL 150.16 LAL -.00 LOL 206.31 VL 18.575 GAL 27.45 AZL 89.91 MCA 48.99 SMA 93.29 ECC .71072 INC .0839 VI 29.673
 RP 108.62 LAP .06 LOP 255.29 VP 31.954 GAP -44.51 ATP 89.94 TAL 167.02 TAP 216.00 RCA 26.99 APO 159.59 VZ 34.888
 RC 82.729 GL .09 GP 3.06 ZAL 58.50 ZAP 28.40 ETS 188.71 ZAE 132.35 ETE 175.91 ZAC 155.05 ETC 47.33 CLP 28.25

PLANETOCENTRIC CONIC

C3 239.102 VML 15.463 DLA 12.32 RAL 150.02 RAD 6571.4 VEL 18.985 PTH 3.08 VMP 25.687 DPA 27.36 RAP 105.00 ECC 4.9350
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 7 47 3152.25 -26.69 107.38 57.18 80.17 7 0 19 2552.2 -27.78 98.88
 90.00 21 16 40 5010.60 22.94 220.30 45.72 72.93 22 40 11 4410.6 20.39 212.56
 100.00 7 35 27 2889.54 -28.40 86.92 57.52 80.26 8 23 16 2269.5 -29.45 78.27
 100.00 22 31 42 4768.54 24.60 201.94 45.15 72.46 23 51 11 4168.5 21.97 184.13
 110.00 8 57 56 2611.40 -32.98 68.22 58.42 80.45 9 41 28 2011.4 -33.95 59.11
 110.00 23 25 42 4599.45 29.01 187.48 43.53 71.08 24 42 21 3999.4 26.15 179.47

DIFFERENTIAL CORRECTIONS

TDE .9059 TRA-2.4432 TC3 -.1541 BAU .4930
 RDE -1.1905 RRA -.6232 RC3 .0069 FAU .01112
 FDE -.4024 FRA .9386 FC3 -.0402 BSP 2881
 BDE 1.4959 BRA 2.5214 BC3 .1542 FSP -79

MID-COURSE EXECUTION ACCURACY

SGT 1094.7 SGR 500.9 SG3 35.0
 RRT .1108 RRF -.1036 RTF -.7222
 SGB 1203.9 R23 -.0027 R13 -.7226
 SGI 1096.5 SG2 497.0 THA 3.65

ORBIT DETERMINATION ACCURACY

ST 436.1 SR 446.8 SS 407.1
 CRT -.6589 CRS -.7101 CST .9961
 LSA 689.5 MSA 282.7 SSA 15.7
 EL1 568.6 EL2 257.7 ALF 133.95

LAUNCH DATE APR 17 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 12 1967

HELIOCENTRIC CONIC

DISTANCE 165.335

RL 150.16 LAL -.00 LOL 206.31 VL 19.152 GAL 26.28 AZL 90.16 MCA 52.16 SMA 94.74 ECC .68644 INC .1555 VI 29.673
 RP 108.65 LAP -.12 LOP 258.47 VP 32.281 GAP -42.68 AZP 90.10 TAL 166.11 TAP 218.27 RCA 29.71 APO 159.77 V2 34.877
 RC 80.398 GL -.18 GP 3.16 ZAL 57.38 ZAP 27.04 ETS 189.18 ZAE 132.62 ETE 175.35 ZAC 153.67 ETC 44.77 CLP 26.87

PLANETOCENTRIC CONIC

C3 220.147 VML 14.837 DLA 11.68 RAL 151.00 RAD 6571.3 VEL 18.479 PTM 3.04 VHP 24.781 DPA 27.35 RAP 107.03 ECC 4.6231
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 17 6 3118.79 -27.06 105.00 57.00 81.31 7 9 5 2518.8 -27.98 96.45
 90.00 21 15 9 5020.52 23.14 220.96 46.04 73.21 22 38 50 4420.5 20.62 213.19
 100.00 7 44 22 2837.36 -28.75 84.59 57.29 81.44 8 31 40 2237.4 -29.63 75.89
 100.00 22 30 35 4777.19 24.78 202.52 45.49 72.72 23 50 12 4177.2 22.18 194.69
 110.00 9 6 0 2581.92 -33.29 65.97 58.07 81.75 9 49 2 1981.9 -34.07 56.82
 110.00 23 25 26 4605.39 29.14 187.90 43.90 71.29 24 42 11 4005.4 26.31 179.86

DIFFERENTIAL CORRECTIONS

TDE .9185 TRA-2.4664 TC3 -.1626 BAU .4792
 RDE-1.1418 RRA -.6146 RC3 .0085 FAU .01120
 FDE -.4219 FRA .9690 FC3 -.0441 BSP 3045
 BDE 1.4654 BRA 2.5418 BC3 .1628 FSP -86

MID-COURSE EXECUTION ACCURACY

SGT 1142.1 SGR 503.8 SG3 37.6
 RRT .1167 RRF -.1097 RTF -.7365
 SGB 1248.3 R23 -.0034 R13 -.7369
 SGI 1144.0 SGT 499.5 TMA 3.64

ORBIT DETERMINATION ACCURACY

ST 459.5 SR 446.9 SS 426.6
 CRT -.6583 CRS -.7132 CST .9959
 LSA 714.5 MSA 286.6 SSA 15.8
 ELI 583.7 EL2 264.8 ALF 136.21

LAUNCH DATE APR 17 1967

FLIGHT TIME 88.00

ARRIVAL DATE JUL 14 1967

HELIOCENTRIC CONIC

DISTANCE 171.273

RL 150.16 LAL -.00 LOL 206.31 VL 19.696 GAL 25.19 AZL 90.38 MCA 55.33 SMA 96.19 ECC .66247 INC .3778 VI 29.673
 RP 108.69 LAP -.31 LOP 261.64 VP 32.596 GAP -40.93 AZP 90.21 TAL 165.22 TAP 220.55 RCA 32.47 APO 159.92 V2 34.867
 RC 78.089 GL -.47 GP 3.26 ZAL 56.31 ZAP 25.71 ETS 189.72 ZAE 132.95 ETE 174.74 ZAC 152.23 ETC 42.45 CLP 25.51

PLANETOCENTRIC CONIC

C3 202.717 VML 14.238 DLA 11.03 RAL 151.92 RAD 6571.1 VEL 18.001 PTM 3.01 VHP 23.902 DPA 27.32 RAP 109.08 ECC 4.3362
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 26 12 3084.71 -27.38 102.55 56.70 82.49 7 17 37 2484.7 -28.14 93.97
 90.00 21 13 27 5029.89 23.32 221.59 46.27 73.47 22 37 17 4429.9 20.84 213.80
 100.00 7 13 5 2804.53 -29.06 82.19 56.95 82.66 8 39 49 2204.5 -29.77 73.46
 100.00 22 29 15 4785.31 24.94 203.07 45.74 72.96 23 49 1 4185.3 22.37 195.21
 110.00 9 13 51 2551.75 -33.56 63.66 57.60 83.09 9 56 23 1951.7 -34.15 54.47
 110.00 23 24 30 4610.85 29.26 188.28 44.18 71.48 24 41 49 4010.9 26.45 180.22

DIFFERENTIAL CORRECTIONS

TDE .9306 TRA-2.4886 TC3 -.1711 BAU .4646
 RDE-1.0933 RRA -.6052 RC3 .0103 FAU .01131
 FDE -.4419 FRA .9999 FC3 -.0483 BSP 3222
 BDE 1.4359 BRA 2.5611 BC3 .1714 FSP -93

MID-COURSE EXECUTION ACCURACY

SGT 1191.1 SGR 506.0 SG3 40.4
 RRT .1229 RRF -.1162 RTF -.7503
 SGB 1294.1 R23 -.0042 R13 -.7507
 SGI 1193.1 SGT 501.4 TMA 3.63

ORBIT DETERMINATION ACCURACY

ST 483.9 SR 446.3 SS 446.6
 CRT -.6576 CRS -.7159 CST .9956
 LSA 740.6 MSA 289.9 SSA 16.0
 ELI 599.8 EL2 271.2 ALF 138.51

LAUNCH DATE APR 17 1967

FLIGHT TIME 90.00

ARRIVAL DATE JUL 16 1967

HELIOCENTRIC CONIC

DISTANCE 177.298

RL 150.16 LAL -.00 LOL 206.31 VL 20.210 GAL 24.14 AZL 90.58 MCA 58.50 SMA 97.64 ECC .63891 INC .5834 VI 29.673
 RP 108.72 LAP -.50 LOP 264.81 VP 32.898 GAP -39.26 AZP 90.30 TAL 164.34 TAP 222.84 RCA 35.26 APO 160.03 V2 34.857
 RC 75.805 GL -.79 GP 3.38 ZAL 55.28 ZAP 24.39 ETS 190.34 ZAE 133.36 ETE 174.08 ZAC 150.73 ETC 40.36 CLP 24.17

PLANETOCENTRIC CONIC

C3 186.685 VML 13.663 DLA 10.37 RAL 152.79 RAD 6571.0 VEL 17.550 PTM 2.97 VHP 23.048 DPA 27.27 RAP 111.14 ECC 4.0724
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 35 5 3049.97 -27.67 100.05 56.28 83.72 7 25 55 2450.0 -28.25 91.43
 90.00 21 11 32 5038.73 23.49 222.18 46.42 73.72 22 35 31 4438.7 21.04 214.37
 100.00 8 1 34 2771.01 -29.33 79.74 56.48 83.93 8 47 45 2171.0 -29.86 70.97
 100.00 22 27 43 4792.92 25.09 203.58 45.90 73.20 23 47 36 4192.9 22.55 195.71
 110.00 9 21 31 2520.86 -33.79 61.28 57.01 84.48 10 3 32 1920.9 -34.18 52.05
 110.00 23 24 16 4615.84 29.37 188.63 44.38 71.67 24 41 12 4015.8 26.58 180.55

DIFFERENTIAL CORRECTIONS

TDE .9387 TRA-2.5134 TC3 -.1805 BAU .4515
 RDE-1.0457 RRA -.5949 RC3 .0124 FAU .01142
 FDE -.4621 FRA 1.0322 FC3 -.0529 BSP 3325
 BDE 1.4052 BRA 2.5829 BC3 .1809 FSP -101

MID-COURSE EXECUTION ACCURACY

SGT 1243.5 SGR 507.7 SG3 43.4
 RRT .1307 RRF -.1236 RTF -.7631
 SGB 1343.1 R23 -.0045 R13 -.7634
 SGI 1245.6 SGT 502.5 TMA 3.65

ORBIT DETERMINATION ACCURACY

ST 508.4 SR 445.0 SS 467.0
 CRT -.6548 CRS -.7179 CST .9951
 LSA 767.1 MSA 293.1 SSA 16.2
 ELI 616.0 EL2 277.6 ALF 140.76

LAUNCH DATE APR 17 1967

FLIGHT TIME 92.00

ARRIVAL DATE JUL 18 1967

HELIOCENTRIC CONIC

DISTANCE 183.404

RL 150.16 LAL -.00 LOL 206.31 VL 20.695 GAL 23.15 AZL 90.78 MCA 61.67 SMA 99.09 ECC .61581 INC .7753 VI 29.673
 RP 108.75 LAP -.68 LOP 267.98 VP 33.189 GAP -37.66 AZP 90.37 TAL 163.47 TAP 225.14 RCA 38.07 APO 160.11 V2 34.848
 RC 73.549 GL -1.13 GP 3.50 ZAL 54.29 ZAP 23.09 ETS 191.05 ZAE 133.84 ETE 173.37 ZAC 149.17 ETC 38.46 CLP 22.84

PLANETOCENTRIC CONIC

C3 171.932 VML 13.112 DLA 9.70 RAL 153.61 RAD 6570.9 VEL 17.125 PTM 2.93 VHP 22.219 DPA 27.21 RAP 113.22 ECC 3.8296
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 43 45 3014.53 -27.91 97.49 55.74 84.98 7 34 0 2414.5 -28.31 88.84
 90.00 21 9 24 5047.09 23.65 222.74 46.49 73.96 22 33 31 4447.1 21.23 214.91
 100.00 8 9 52 2736.77 -29.55 77.22 55.90 85.24 8 55 29 2136.8 -29.89 68.43
 100.00 22 25 58 4800.08 25.23 204.07 45.98 73.42 23 45 58 4200.1 22.72 196.17
 110.00 9 28 59 2489.23 -33.97 58.82 56.30 85.93 10 10 28 1889.2 -34.16 49.58
 110.00 23 23 21 4620.39 29.47 188.94 44.49 71.83 24 40 21 4020.4 26.70 180.85

DIFFERENTIAL CORRECTIONS

TDE .9508 TRA-2.5328 TC3 -.1889 BAU .4355
 RDE -.9981 RRA -.5838 RC3 .0147 FAU .01157
 FDE -.4836 FRA 1.0646 FC3 -.0583 BSP 3548
 BDE 1.3785 BRA 2.5990 BC3 .1894 FSP -110

MID-COURSE EXECUTION ACCURACY

SGT 1295.5 SGR 508.6 SG3 46.6
 RRT .1370 RRF -.1308 RTF -.7759
 SGB 1391.8 R23 -.0058 R13 -.7763
 SGI 1297.7 SGT 503.0 TMA 3.62

ORBIT DETERMINATION ACCURACY

ST 535.0 SR 443.0 SS 488.4
 CRT -.6542 CRS -.7202 CST .9948
 LSA 796.1 MSA 295.1 SSA 16.3
 ELI 634.6 EL2 282.5 ALF 143.09

LAUNCH DATE APR 17 1967

FLIGHT TIME 94.00

ARRIVAL DATE JUL 20 1967

HELIOCENTRIC CONIC

DISTANCE 189.587

RL 150.16 LAL -.00 LOL 206.31 VL 21.152 GAL 22.21 AZL 90.96 MCA 64.84 SMA 100.52 ECC .59322 INC .9561 V1 29.673
 RP 108.77 LAP -.87 LOP 271.14 VP 33.466 GAP -36.12 AZP 90.41 TAL 162.62 TAP 227.46 RCA 40.89 APO 160.16 V2 34.839
 RC 71.325 GL -1.49 GP 3.63 ZAL 53.34 ZAP 21.81 ETS 191.87 ZAE 134.39 ETE 172.59 ZAC 147.58 ETC 36.75 CLP 21.52

PLANETOCENTRIC CONIC

C3 158.364 VHL 12.584 DLA 9.03 RAL 154.38 RAD 6570.4 VEL 16.724 PTH 2.90 VHP 21.414 DPA 27.13 RAP 115.30 ECC 3.6063
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 52 14 2978.33 -28.09 94.85 55.08 86.29 7 41 52 2378.3 -28.31 86.20
 90.00 21 7 3 5055.03 23.80 223.27 46.46 74.19 22 31 18 4455.0 21.40 215.42
 100.00 8 17 59 2701.77 -29.72 74.63 55.19 86.59 9 3 1 2101.8 -29.87 65.83
 100.00 22 23 59 4806.82 25.36 204.53 45.97 73.62 23 44 6 4206.8 22.87 196.61
 110.00 9 36 16 2456.81 -34.10 56.30 55.46 87.41 10 17 12 1856.8 -34.08 47.05
 110.00 23 22 12 4624.54 29.55 189.24 44.51 71.98 24 39 16 4024.5 26.81 181.13

DIFFERENTIAL CORRECTIONS

TDE .9518 TRA-2.5609 TC3 -.1998 BAU .4246
 RDE -.9513 RRA -.5724 RC3 .0173 FAU .01167
 FDE -1.5044 FRA 1.0994 FC3 -.0638 BSP 3526
 BDE 1.3457 BRA 2.6241 BC3 .2006 FSP -117

MID-COURSE EXECUTION ACCURACY

SGT 1354.5 SGR 509.0 SG3 50.0
 RRT .1478 RRF -.1400 RTF -.7867
 SGB 1446.9 R23 -.0053 R13 -.7870
 SG1 1356.9 SG2 502.5 TMA 3.68

ORBIT DETERMINATION ACCURACY

ST 559.9 SR 440.3 SS 509.6
 CRT -.6477 CRS -.7208 CST .9940
 LSA 823.4 MSA 298.1 SSA 16.5
 EL1 651.3 EL2 288.4 ALF 145.27

LAUNCH DATE APR 17 1967

FLIGHT TIME 96.00

ARRIVAL DATE JUL 22 1967

HELIOCENTRIC CONIC

DISTANCE 195.825

RL 150.16 LAL -.00 LOL 206.31 VL 21.583 GAL 21.31 AZL 91.13 MCA 68.01 SMA 101.95 ECC .57113 INC 1.1275 V1 29.673
 RP 108.80 LAP -1.05 LOP 274.31 VP 33.732 GAP -34.64 AZP 90.42 TAL 161.80 TAP 229.80 RCA 43.72 APO 160.17 V2 34.831
 RC 69.138 GL -1.88 GP 3.78 ZAL 52.45 ZAP 20.55 ETS 192.83 ZAE 135.03 ETE 171.73 ZAC 145.94 ETC 35.19 CLP 20.21

PLANETOCENTRIC CONIC

C3 145.819 VHL 12.076 DLA 8.34 RAL 155.09 RAD 6570.6 VEL 16.345 PTH 2.86 VHP 20.630 DPA 27.03 RAP 117.39 ECC 3.3998
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 0 30 2941.33 -28.23 92.16 54.30 87.64 7 49 31 2341.3 -28.26 83.49
 90.00 21 4 26 5062.45 23.94 223.78 46.34 74.40 22 28 49 4462.5 21.57 215.91
 100.00 8 25 52 2865.95 -29.83 71.97 54.37 87.99 9 10 18 2065.9 -29.79 63.17
 100.00 22 21 44 4813.06 25.48 204.95 45.86 73.82 23 41 57 4213.1 23.02 197.02
 110.00 9 43 20 2423.57 -34.17 53.71 54.50 88.95 10 23 43 1823.6 -33.94 44.47
 110.00 23 20 47 4628.21 29.63 189.49 44.42 72.12 24 37 55 4028.2 26.90 181.37

DIFFERENTIAL CORRECTIONS

TDE 1.1138 TRA-2.4249 TC3 -.1666 BAU .3273
 RDE -.9010 RRA -.5566 RC3 .0213 FAU .01288
 FDE -.5495 FRA 1.1118 FC3 -.0765 BSP 7400
 BDE 1.4326 BRA 2.4879 BC3 .1679 FSP -173

MID-COURSE EXECUTION ACCURACY

SGT 1339.1 SGR 506.6 SG3 53.7
 RRT .0940 RRF -.1281 RTF -.8211
 SGB 1451.8 R23 -.0383 R13 -.8218
 SG1 1340.1 SG2 504.0 TMA 2.37

ORBIT DETERMINATION ACCURACY

ST 633.3 SR 434.9 SS 545.3
 CRT -.7188 CRS -.7414 CST .9988
 LSA 900.5 MSA 276.7 SSA 15.4
 EL1 720.9 EL2 265.6 ALF 149.08

LAUNCH DATE APR 17 1967

FLIGHT TIME 98.00

ARRIVAL DATE JUL 24 1967

HELIOCENTRIC CONIC

DISTANCE 202.152

RL 150.16 LAL -.00 LOL 206.31 VL 21.989 GAL 20.46 AZL 91.29 MCA 71.17 SMA 103.35 ECC .54975 INC 1.2914 V1 29.673
 RP 108.82 LAP -1.22 LOP 277.47 VP 33.986 GAP -33.23 AZP 90.42 TAL 160.98 TAP 232.15 RCA 46.53 APO 160.17 V2 34.824
 RC 66.992 GL -2.30 GP 3.94 ZAL 51.59 ZAP 19.31 ETS 193.94 ZAE 135.75 ETE 170.80 ZAC 144.27 ETC 33.78 CLP 18.92

PLANETOCENTRIC CONIC

C3 134.380 VHL 11.592 DLA 7.63 RAL 155.76 RAD 6570.4 VEL 15.991 PTH 2.82 VHP 19.872 DPA 26.92 RAP 119.49 ECC 3.2116
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 8 40 2903.50 -28.30 89.39 53.42 89.02 7 57 3 2303.5 -28.14 80.73
 90.00 21 1 35 5069.83 24.07 224.27 46.16 74.62 22 26 5 4469.8 21.73 216.39
 100.00 8 33 40 2629.31 -29.89 69.25 53.45 89.42 9 17 30 2029.3 -29.65 60.45
 100.00 22 19 15 4819.26 25.60 205.38 45.68 74.01 23 39 35 4219.3 23.16 197.43
 110.00 9 50 18 2389.51 -34.18 51.05 53.45 90.52 10 30 7 1789.5 -33.73 41.83
 110.00 23 19 7 4631.82 29.71 189.75 44.28 72.25 24 36 19 4031.8 26.99 181.61

DIFFERENTIAL CORRECTIONS

TDE .9989 TRA-2.5661 TC3 -.2085 BAU .3770
 RDE -.8580 RRA -.5468 RC3 .0239 FAU .01226
 FDE -.5553 FRA 1.1652 FC3 -.0790 BSP 4635
 BDE 1.3168 BRA 2.6238 BC3 .2099 FSP -147

MID-COURSE EXECUTION ACCURACY

SGT 1454.3 SGR 507.2 SG3 57.7
 RRT .1529 RRF -.1541 RTF -.8135
 SGB 1540.2 R23 -.0131 R13 -.8139
 SG1 1456.6 SG2 500.5 TMA 3.46

ORBIT DETERMINATION ACCURACY

ST 625.6 SR 431.9 SS 558.4
 CRT -.6588 CRS -.7271 CST .9947
 LSA 895.8 MSA 294.9 SSA 16.6
 EL1 703.0 EL2 289.1 ALF 149.96

LAUNCH DATE APR 17 1967

FLIGHT TIME 100.00

ARRIVAL DATE JUL 26 1967

HELIOCENTRIC CONIC

DISTANCE 208.528

RL 150.16 LAL -.00 LOL 206.31 VL 22.372 GAL 19.64 AZL 91.45 MCA 74.34 SMA 104.74 ECC .52895 INC 1.4492 V1 29.673
 RP 108.84 LAP -1.40 LOP 280.64 VP 34.228 GAP -31.86 AZP 90.39 TAL 160.19 TAP 234.53 RCA 49.34 APO 160.14 V2 34.817
 RC 64.892 GL -2.75 GP 4.11 ZAL 50.79 ZAP 18.08 ETS 195.25 ZAE 136.56 ETE 169.76 ZAC 142.57 ETC 32.49 CLP 17.63

PLANETOCENTRIC CONIC

C3 123.821 VHL 11.127 DLA 6.91 RAL 156.36 RAD 6570.3 VEL 15.657 PTH 2.78 VHP 19.134 DPA 26.79 RAP 121.59 ECC 3.0378
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 16 39 2864.79 -28.31 86.56 52.43 90.44 8 4 24 2264.8 -27.95 77.91
 90.00 20 58 27 5076.89 24.20 224.75 45.88 74.83 22 23 4 4476.9 21.88 216.85
 100.00 8 41 18 2591.77 -29.88 66.46 52.41 90.89 9 24 29 1991.8 -29.44 57.68
 100.00 22 16 29 4825.14 25.71 205.78 45.42 74.20 23 36 54 4225.1 23.29 197.81
 110.00 9 57 5 2354.57 -34.12 48.32 52.28 92.14 10 36 20 1754.6 -33.45 39.14
 110.00 23 17 11 4635.10 29.77 189.98 44.04 72.37 24 34 26 4035.1 27.08 181.83

DIFFERENTIAL CORRECTIONS

TDE .9998 TRA-2.5883 TC3 -.2184 BAU .3644
 RDE -.8127 RRA -.5341 RC3 .0277 FAU .01245
 FDE -.5792 FRA 1.2031 FC3 -.0870 BSP 4676
 BDE 1.2885 BRA 2.6428 BC3 .2201 FSP -157

MID-COURSE EXECUTION ACCURACY

SGT 1517.7 SGR 505.6 SG3 62.1
 RRT .1648 RRF -.1652 RTF -.8230
 SGB 1599.7 R23 -.0134 R13 -.8234
 SG1 1520.3 SG2 497.9 TMA 3.52

ORBIT DETERMINATION ACCURACY

ST 653.8 SR 426.6 SS 582.2
 CRT -.6524 CRS -.7270 CST .9939
 LSA 927.8 MSA 295.7 SSA 16.7
 EL1 724.0 EL2 292.0 ALF 151.99

LAUNCH DATE APR 17 1967

FLIGHT TIME 102.00

ARRIVAL DATE JUL 28 1967

HELIOCENTRIC CONIC

DISTANCE 214.958

RL 150.16 LAL -0.00 LOL 206.31 VL 22.733 GAL 18.85 AZL 91.60 MCA 77.50 SMA 106.10 ECC .50880 INC 1.6021 VI 29.673
 RP 108.86 LAP -1.56 LOP 283.80 VP 34.458 GAP -30.55 AZP 90.35 TAL 159.42 TAP 236.92 RCA 52.12 APO 160.08 V2 34.810
 RC 62.843 GL -3.23 GP 4.30 ZAL 50.03 ZAP 16.88 ETS 196.81 ZAE 137.45 ETE 168.62 ZAC 140.84 ETC 31.32 CLP 16.34

PLANETOCENTRIC CONIC

C3 114.112 VML 10.682 DLA 6.18 RAL 156.92 RAD 6570.2 VEL 15.344 PTM 2.75 VHP 18.418 DPA 26.65 RAP 123.70 ECC 2.8780
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 24 30 2825.15 -28.26 83.66 51.33 91.89 8 11 35 2225.2 -27.70 75.04
 90.00 20 55 1 5083.83 24.32 225.22 45.52 75.03 22 19 45 4483.8 22.03 217.30
 100.00 8 48 46 2553.33 -29.81 63.60 51.27 92.39 9 31 20 1953.3 -29.16 54.86
 100.00 22 13 25 4830.89 25.81 206.17 45.07 74.38 23 33 56 4230.9 23.42 198.19
 110.00 10 3 44 2318.74 -34.00 45.53 51.00 93.78 10 42 23 1718.7 -33.10 36.40
 110.00 23 14 57 4638.25 29.84 190.20 43.71 72.49 24 32 15 4038.2 27.15 182.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0055 TRA-2.6032 TC3 -.2263 BAU .3487 SGT 1580.2 SGR 503.3 SG3 66.7 ST 684.5 SR 420.4 SS 607.5
 RDE -.7679 RRA -.5210 RC3 .0320 FAU .01270 RRT .1755 RRF -.1766 RTF -.8327 CRT -.6485 CRS -.7272 CST .9934
 FDE -.6031 FRA 1.2416 FC3 -.0963 BSP 4855 SGB 1658.4 R23 -.0148 R13 -.8332 LSA 962.9 MSA 295.1 SSA 16.8
 BOE 1.2652 BRA 2.6548 BC3 .2286 FSP -170 SGI 1582.9 SG2 494.6 TMA 3.55 EL1 748.1 EL2 292.9 ALF 154.01

LAUNCH DATE APR 17 1967

FLIGHT TIME 104.00

ARRIVAL DATE JUL 30 1967

HELIOCENTRIC CONIC

DISTANCE 221.437

RL 150.16 LAL -0.00 LOL 206.31 VL 23.073 GAL 18.10 AZL 91.75 MCA 80.66 SMA 107.44 ECC .48931 INC 1.7512 VI 29.673
 RP 108.88 LAP -1.73 LOP 286.96 VP 34.678 GAP -29.29 AZP 90.28 TAL 158.68 TAP 239.34 RCA 54.87 APO 160.01 V2 34.805
 RC 60.850 GL -3.75 GP 4.51 ZAL 49.32 ZAP 15.71 ETS 198.66 ZAE 138.43 ETE 167.55 ZAC 139.09 ETC 30.25 CLP 15.06

PLANETOCENTRIC CONIC

C3 105.191 VML 10.256 DLA 5.43 RAL 157.42 RAD 6570.0 VEL 15.051 PTM 2.71 VHP 17.722 DPA 26.50 RAP 125.81 ECC 2.7312
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 32 13 2784.56 -28.13 80.70 50.14 93.37 8 18 38 2184.6 -27.37 72.12
 90.00 20 51 16 5090.77 24.44 225.70 45.08 75.24 22 16 6 4490.8 22.18 217.76
 100.00 8 56 8 2513.94 -29.66 60.68 50.03 93.92 9 38 1 1913.9 -28.80 51.99
 100.00 22 10 2 4836.63 25.92 206.57 44.64 74.56 23 30 39 4236.6 23.55 198.57
 110.00 10 10 14 2281.98 -33.80 42.68 49.63 95.46 10 48 16 1682.0 -32.67 33.62
 110.00 23 12 25 4641.35 29.90 190.42 43.31 72.61 24 29 46 4041.3 27.23 182.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0150 TRA-2.6120 TC3 -.2323 BAU .3307 SGT 1642.2 SGR 500.3 SG3 71.8 ST 717.7 SR 413.2 SS 634.3
 RDE -.7236 RRA -.5077 RC3 .0368 FAU .01301 RRT .1856 RRF -.1886 RTF -.8427 CRT -.6463 CRS -.7275 CST .9931
 FDE -.6331 FRA 1.2808 FC3 -.1071 BSP 5140 SGB 1716.7 R23 -.0172 R13 -.8431 LSA 1001.0 MSA 293.1 SSA 16.9
 BOE 1.2465 BRA 2.6609 BC3 .2352 FSP -186 SGI 1645.1 SG2 490.7 TMA 3.55 EL1 774.9 EL2 292.0 ALF 155.97

LAUNCH DATE APR 17 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 1 1967

HELIOCENTRIC CONIC

DISTANCE 227.962

RL 150.16 LAL -0.00 LOL 206.31 VL 23.393 GAL 17.38 AZL 91.90 MCA 83.82 SMA 108.75 ECC .47050 INC 1.8976 VI 29.673
 RP 108.90 LAP -1.89 LOP 290.13 VP 34.886 GAP -28.07 AZP 90.20 TAL 157.96 TAP 241.78 RCA 57.58 APO 159.91 V2 34.800
 RC 58.919 GL -4.30 GP 4.73 ZAL 48.66 ZAP 14.56 ETS 200.89 ZAE 139.50 ETE 165.93 ZAC 137.32 ETC 29.28 CLP 13.79

PLANETOCENTRIC CONIC

C3 97.002 VML 9.849 DLA 4.65 RAL 157.86 RAD 6569.9 VEL 14.776 PTM 2.67 VHP 17.046 DPA 26.35 RAP 127.92 ECC 2.5964
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 39 51 2742.98 -27.93 77.67 48.85 94.88 8 25 34 2143.0 -26.96 69.14
 90.00 20 47 10 5097.83 24.56 226.18 44.56 75.45 22 12 8 4497.8 22.32 218.22
 100.00 9 3 22 2473.56 -29.43 57.70 48.70 95.47 9 44 36 1873.6 -28.36 49.06
 100.00 22 6 19 4842.48 26.02 206.97 44.13 74.75 23 27 2 4242.5 23.68 198.96
 110.00 10 16 38 2244.29 -33.51 39.77 48.17 97.16 10 54 2 1644.3 -32.16 30.80
 110.00 23 9 33 4644.52 29.97 190.65 42.83 72.72 24 26 58 4044.5 27.31 182.46

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0184 TRA-2.6246 TC3 -.2396 BAU .3155 SGT 1708.9 SGR 496.7 SG3 77.2 ST 749.9 SR 405.0 SS 661.8
 RDE -.6800 RRA -.4947 RC3 .0421 FAU .01330 RRT .1989 RRF -.2027 RTF -.8513 CRT -.6407 CRS -.7266 CST .9924
 FDE -.6618 FRA 1.3226 FC3 -.1187 BSP 5298 SGB 1779.7 R23 -.0189 R13 -.8518 LSA 1038.8 MSA 291.4 SSA 17.0
 BOE 1.2246 BRA 2.6708 BC3 .2433 FSP -200 SGI 1712.0 SG2 485.9 TMA 3.60 EL1 801.0 EL2 291.1 ALF 157.83

LAUNCH DATE APR 17 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 3 1967

HELIOCENTRIC CONIC

DISTANCE 234.526

RL 150.16 LAL -0.00 LOL 206.31 VL 23.694 GAL 16.70 AZL 92.04 MCA 86.98 SMA 110.02 ECC .45238 INC 2.0423 VI 29.673
 RP 108.91 LAP -2.04 LOP 293.29 VP 35.084 GAP -26.89 AZP 90.11 TAL 157.27 TAP 244.25 RCA 60.25 APO 159.79 V2 34.795
 RC 57.057 GL -4.90 GP 4.98 ZAL 48.05 ZAP 13.45 ETS 203.60 ZAE 140.66 ETE 164.34 ZAC 135.52 ETC 28.38 CLP 12.51

PLANETOCENTRIC CONIC

C3 89.488 VML 9.460 DLA 3.85 RAL 158.24 RAD 6569.8 VEL 14.520 PTM 2.63 VHP 16.390 DPA 26.19 RAP 130.02 ECC 2.4727
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 47 23 2700.36 -27.64 74.59 47.48 96.40 8 32 23 2100.4 -26.47 66.12
 90.00 20 42 42 5105.16 24.69 226.68 43.97 75.67 22 7 47 4505.2 22.48 218.71
 100.00 9 10 32 2432.17 -29.13 54.67 47.28 97.04 9 51 4 1832.2 -27.85 46.10
 100.00 22 2 14 4848.58 26.13 207.39 43.55 74.94 23 23 3 4248.6 23.81 199.36
 110.00 10 22 55 2203.63 -33.15 36.81 46.62 98.87 10 59 40 1605.6 -31.57 27.94
 110.00 23 6 20 4647.88 30.03 190.88 42.28 72.85 24 23 48 4047.9 27.39 182.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0256 TRA-2.6306 TC3 -.2445 BAU .2981 SGT 1774.8 SGR 492.6 SG3 83.1 ST 784.6 SR 395.7 SS 690.9
 RDE -.6370 RRA -.4810 RC3 .0480 FAU .01366 RRT .2120 RRF -.2178 RTF -.8601 CRT -.6367 CRS -.7256 CST .9920
 FDE -.6929 FRA 1.3654 FC3 -.1322 BSP 5561 SGB 1841.0 R23 -.0215 R13 -.8606 LSA 1079.8 MSA 288.4 SSA 17.1
 BOE 1.2073 BRA 2.6744 BC3 .2492 FSP -218 SGI 1778.1 SG2 480.5 TMA 3.63 EL1 830.0 EL2 288.4 ALF 159.63

LAUNCH DATE APR 17 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 5 1967

HELIOCENTRIC CONIC

DISTANCE 241.126

RL 150.16 LAL -.00 LOL 206.31 VL 23.977 GAL 16.04 AZL 92.19 MCA 90.14 SMA 111.27 ECC .43495 INC 2.1860 V1 29.673
 RP 108.92 LAP -2.19 LOP 296.45 VP 35.273 GAP -25.76 AZP 89.99 TAL 156.61 TAP 246.75 RCA 62.87 APO 159.66 V2 34.792
 RC 55.270 GL -5.55 GP 5.26 ZAL 47.50 ZAP 12.39 ETS 206.90 ZAE 141.90 ETE 162.54 ZAC 133.71 ETC 27.57 CLP 11.23

PLANETOCENTRIC CONIC

C3 82.599 VML 9.088 DLA 3.03 RAL 158.57 RAD 6569.6 VEL 14.281 PTH 2.60 VHP 15.754 DPA 26.03 RAP 132.13 ECC 2.3594
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 54 51 2656.67 -27.27 71.44 46.02 97.93 8 39 8 2056.7 -25.89 63.05
 90.00 20 37 49 5112.92 24.82 227.21 43.32 75.91 22 3 2 4512.9 22.64 219.22
 100.00 9 17 37 2389.74 -28.73 51.57 45.78 98.62 9 57 26 1789.7 -27.24 43.09
 100.00 21 57 45 4855.08 26.25 207.84 42.91 75.15 23 18 40 4255.1 23.95 199.79
 110.00 10 29 6 2166.00 -32.69 33.81 45.00 100.59 11 5 12 1566.0 -30.89 25.05
 110.00 23 2 45 4651.59 30.11 191.15 41.66 72.99 24 20 17 4051.6 27.49 182.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0320 TRA-2.6354 TC3 -.2485 BAU .2810 SGT 1842.7 SGR 488.0 SG3 89.5 ST 820.1 SR 385.2 SS 721.5
 RDE -.5945 RRA -.4693 RC3 .0546 FAU .01405 RRT .2271 RRF -.2349 RTF -.8683 CRT -.6316 CRS -.7239 CST .9915
 FDE -.7261 FRA 1.4103 FC3 -.1473 BSP 5815 SGB 1906.2 R23 -.0244 R13 -.8689 LSA 1122.5 MSA 284.9 SSA 17.2
 BDE 1.1910 BRA 2.6769 BC3 .2545 FSP -237 SGI 1846.2 SG2 474.3 THA 3.69 EL1 860.1 EL2 284.8 ALF 161.36

LAUNCH DATE APR 17 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 7 1967

HELIOCENTRIC CONIC

DISTANCE 247.758

RL 150.16 LAL -.00 LOL 206.31 VL 24.243 GAL 15.41 AZL 92.33 MCA 93.30 SMA 112.48 ECC .41822 INC 2.3298 V1 29.673
 RP 108.93 LAP -2.33 LOP 299.61 VP 35.451 GAP -24.66 AZP 89.87 TAL 155.97 TAP 249.27 RCA 65.44 APO 159.52 V2 34.789
 RC 53.566 GL -6.24 GP 5.56 ZAL 47.00 ZAP 11.39 ETS 210.94 ZAE 143.23 ETE 160.50 ZAC 131.89 ETC 26.82 CLP 9.95

PLANETOCENTRIC CONIC

C3 76.292 VML 8.735 DLA 2.17 RAL 158.84 RAD 6569.5 VEL 14.059 PTH 2.56 VHP 15.136 DPA 25.87 RAP 134.24 ECC 2.2556
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 2 18 2611.86 -26.81 68.25 44.50 99.47 8 45 49 2011.9 -25.23 59.94
 90.00 20 32 31 5121.29 24.95 227.79 42.60 76.16 21 57 52 4521.3 22.81 219.77
 100.00 9 24 39 2346.22 -28.25 48.43 44.22 100.21 10 3 45 1746.2 -26.55 40.04
 100.00 21 52 51 4862.16 26.37 208.33 42.20 75.38 23 13 53 4262.2 24.10 200.27
 110.00 10 35 13 2125.36 -32.14 30.77 43.32 102.32 11 10 38 1525.4 -30.11 22.14
 110.00 22 58 46 4655.79 30.19 191.45 40.98 73.15 24 16 22 4055.8 27.59 183.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0347 TRA-2.6415 TC3 -.2532 BAU .2659 SGT 1913.9 SGR 483.0 SG3 96.5 ST 855.2 SR 373.6 SS 753.1
 RDE -.5527 RRA -.4573 RC3 .0619 FAU .01445 RRT .2452 RRF -.2547 RTF -.8757 CRT -.6236 CRS -.7207 CST .9909
 FDE -.7609 FRA 1.4582 FC3 -.1640 BSP 5990 SGB 1973.9 R23 -.0272 R13 -.8762 LSA 1165.7 MSA 281.3 SSA 17.3
 BDE 1.1730 BRA 2.6808 BC3 .2607 FSP -256 SGI 1917.8 SG2 467.3 THA 3.76 EL1 890.1 EL2 280.6 ALF 163.02

LAUNCH DATE APR 17 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC

DISTANCE 254.418

RL 150.16 LAL -.00 LOL 206.31 VL 24.493 GAL 14.80 AZL 92.47 MCA 96.46 SMA 113.65 ECC .40217 INC 2.4745 V1 29.673
 RP 108.94 LAP -2.46 LOP 302.77 VP 35.620 GAP -23.60 AZP 89.72 TAL 155.36 TAP 251.82 RCA 67.94 APO 159.36 V2 34.786
 RC 51.953 GL -6.99 GP 5.89 ZAL 46.56 ZAP 10.47 ETS 215.91 ZAE 144.62 ETE 158.17 ZAC 130.05 ETC 26.13 CLP 8.67

PLANETOCENTRIC CONIC

C3 70.523 VML 8.398 DLA 1.28 RAL 159.04 RAD 6569.4 VEL 13.852 PTH 2.53 VHP 14.538 DPA 25.72 RAP 136.34 ECC 2.1606
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 9 43 2565.89 -26.25 65.00 42.92 101.01 8 52 28 1965.9 -24.47 56.78
 90.00 20 26 44 5130.47 25.10 228.42 41.82 76.45 21 52 15 4530.5 22.99 220.38
 100.00 9 31 39 2301.59 -27.67 45.24 42.60 101.79 10 10 0 1701.6 -25.76 36.96
 100.00 21 47 29 4870.01 26.50 208.88 41.43 75.64 23 8 39 4270.0 24.27 200.79
 110.00 10 41 16 2083.70 -31.50 27.69 41.59 104.03 11 15 59 1483.7 -29.25 19.21
 110.00 22 54 22 4660.66 30.29 191.79 40.24 73.33 24 12 2 4060.7 27.71 183.55

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0411 TRA-2.6417 TC3 -.2546 BAU .2489 SGT 1984.3 SGR 477.6 SG3 104.1 ST 892.9 SR 360.6 SS 787.1
 RDE -.5113 RRA -.4460 RC3 .0700 FAU .01492 RRT .2646 RRF -.2766 RTF -.8832 CRT -.6163 CRS -.7164 CST .9904
 FDE -.7992 FRA 1.5077 FC3 -.1831 BSP 6259 SGB 2041.0 R23 -.0308 R13 -.8838 LSA 1212.4 MSA 276.5 SSA 17.3
 BDE 1.1598 BRA 2.6791 BC3 .2640 FSP -279 SGI 1988.6 SG2 459.6 THA 3.85 EL1 922.9 EL2 274.7 ALF 164.63

LAUNCH DATE APR 17 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 261.101

RL 150.16 LAL -.00 LOL 206.31 VL 24.727 GAL 14.22 AZL 92.62 MCA 99.62 SMA 114.79 ECC .38681 INC 2.6209 V1 29.673
 RP 108.94 LAP -2.58 LOP 303.93 VP 35.781 GAP -22.58 AZP 89.56 TAL 154.79 TAP 254.40 RCA 70.39 APO 159.19 V2 34.785
 RC 50.440 GL -7.80 GP 6.26 ZAL 46.19 ZAP 9.67 ETS 221.98 ZAE 146.07 ETE 155.49 ZAC 128.20 ETC 25.51 CLP 7.38

PLANETOCENTRIC CONIC

C3 65.253 VML 8.078 DLA .36 RAL 159.18 RAD 6569.2 VEL 13.660 PTH 2.50 VHP 13.957 DPA 25.59 RAP 138.43 ECC 2.0739
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 17 8 2518.71 -25.60 61.70 41.29 102.54 8 59 7 1918.7 -23.62 53.59
 90.00 20 20 26 5140.69 25.26 229.12 40.99 76.77 21 46 7 4540.7 23.19 221.06
 100.00 9 38 39 2255.79 -26.99 42.01 40.93 103.37 10 16 15 1655.8 -24.88 33.84
 100.00 21 41 37 4878.84 26.65 209.49 40.61 75.93 23 2 56 4278.8 24.45 201.38
 110.00 10 47 16 2040.99 -30.75 24.59 39.81 105.73 11 21 17 1441.0 -28.29 16.25
 110.00 22 49 29 4666.41 30.40 192.20 39.45 73.55 24 7 15 4066.4 27.85 183.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0470 TRA-2.6403 TC3 -.2546 BAU .2325 SGT 2056.2 SGR 472.2 SG3 112.3 ST 931.3 SR 346.2 SS 822.8
 RDE -.4702 RRA -.4336 RC3 .0788 FAU .01542 RRT .2869 RRF -.3018 RTF -.8902 CRT -.6069 CRS -.7112 CST .9899
 FDE -.8403 FRA 1.5600 FC3 -.2046 BSP 6515 SGB 2109.7 R23 -.0349 R13 -.8909 LSA 1261.0 MSA 271.3 SSA 17.4
 BDE 1.1477 BRA 2.6760 BC3 .2665 FSP -303 SGI 2060.9 SG2 451.3 THA 3.96 EL1 956.8 EL2 267.8 ALF 166.18

LAUNCH DATE APR 17 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC

DISTANCE 267.805

RL 150.16 LAL -.00 LOL 206.31 VL 24.947 GAL 13.67 AZL 92.77 MCA 102.77 SMA 115.88 ECC .37212 INC 2.7701 V1 29.673
 RP 108.94 LAP -2.70 LOP 309.10 VP 35.932 GAP -21.59 AZP 89.39 TAL 154.24 TAP 257.02 RCA 72.76 APO 159.00 V2 34.784
 RC 49.035 GL -8.67 GP 6.67 ZAL 45.88 ZAP 9.02 ETS 229.28 ZAE 147.56 ETE 152.40 ZAC 126.34 ETC 24.93 CLP 6.08

PLANETOCENTRIC CONIC

C3 60.449 VHL 7.775 DLA -.61 RAL 159.26 RAD 6569.1 VEL 13.484 PTM 2.46 VMP 13.394 DPA 25.47 RAP 140.53 ECC 1.9948
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 24 37 2470.26 -24.84 58.35 39.61 104.05 9 5 47 1870.3 -22.66 50.36
 90.00 20 13 35 5152.20 25.44 229.92 40.11 77.13 21 39 27 4552.2 23.42 221.83
 100.00 9 45 40 2208.79 -26.21 38.73 39.22 104.92 10 22 29 1608.8 -23.90 30.69
 100.00 21 35 12 4888.90 26.81 210.19 39.75 76.27 22 56 41 4288.9 24.66 202.06
 110.00 10 53 16 1997.21 -29.90 21.46 38.01 107.40 11 26 33 1397.2 -27.23 13.29
 110.00 22 44 6 4673.24 30.53 192.69 38.62 73.82 24 2 0 4073.2 28.01 184.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0531 TRA-2.6360 TC3 -.2530 BAU .2166
 RDE -.4295 RRA -.4262 RC3 .0886 FAU .01597
 FDE -.8852 FRA 1.6152 FC3 -.2287 BSP 6769
 BDE 1.1373 BRA 2.6710 BC3 .2680 FSP -330

SGT 2129.1 SGR 466.8 SG3 121.2
 RRT .3125 RRF -.3305 RTF -.8969
 SGB 2179.7 R23 -.0395 R13 -.8975
 SGI 2134.3 SG2 442.3 TMA 4.10

ST 970.7 SR 330.3 SS 860.7
 CRT -.5950 CRS -.7034 CST .9894
 LSA 1312.0 MSA 265.6 SSA 17.4
 EL1 991.9 EL2 259.8 ALF 167.70

LAUNCH DATE APR 17 1967

FLIGHT TIME 120.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC

DISTANCE 274.526

RL 150.16 LAL -.00 LOL 206.31 VL 25.154 GAL 13.14 AZL 92.92 MCA 105.93 SMA 116.94 ECC .35811 INC 2.9231 V1 29.673
 RP 108.94 LAP -2.81 LOP 312.26 VP 36.076 GAP -20.63 AZP 89.20 TAL 153.73 TAP 259.66 RCA 75.06 APO 158.81 V2 34.784
 RC 47.750 GL -9.60 GP 7.13 ZAL 45.64 ZAP 8.57 ETS 237.80 ZAE 149.06 ETE 148.82 ZAC 124.47 ETC 24.41 CLP 4.77

PLANETOCENTRIC CONIC

C3 56.077 VHL 7.488 DLA -1.63 RAL 159.27 RAD 6569.0 VEL 13.321 PTM 2.43 VMP 12.850 DPA 25.39 RAP 142.62 ECC 1.9229
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 32 10 2420.46 -23.97 54.96 37.90 105.54 9 12 30 1820.5 -21.61 47.08
 90.00 20 6 6 5165.26 25.64 230.83 39.20 77.54 21 32 11 4565.3 23.66 222.71
 100.00 9 52 45 2160.31 -25.32 35.42 37.48 106.45 10 28 46 1560.5 -22.82 27.51
 100.00 21 28 12 4900.45 27.00 211.00 38.85 76.66 22 49 52 4300.4 24.89 202.84
 110.00 10 59 16 1952.32 -28.94 18.31 36.18 109.04 11 31 48 1352.3 -26.07 10.31
 110.00 22 38 11 4681.41 30.68 193.28 37.75 74.13 23 56 12 4081.4 28.20 184.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0598 TRA-2.8311 TC3 -.2492 BAU .2011
 RDE -.3890 RRA -.4182 RC3 .0994 FAU .01657
 FDE -.9342 FRA 1.6736 FC3 -.2558 BSP 7028
 BDE 1.1289 BRA 2.6642 BC3 .2683 FSP -359

SGT 2202.9 SGR 461.7 SG3 131.0
 RRT .3420 RRF -.3634 RTF -.9032
 SGB 2250.8 R23 -.0448 R13 -.9039
 SGI 2208.8 SG2 432.7 TMA 4.26

ST 1011.3 SR 312.7 SS 901.1
 CRT -.5797 CRS -.6924 CST .9889
 LSA 1365.6 MSA 259.4 SSA 17.4
 EL1 1028.5 EL2 259.6 ALF 169.19

LAUNCH DATE APR 17 1967

FLIGHT TIME 122.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 281.260

RL 150.16 LAL -.00 LOL 206.31 VL 25.347 GAL 12.64 AZL 93.08 MCA 109.09 SMA 117.95 ECC .34475 INC 3.0810 V1 29.673
 RP 108.94 LAP -2.91 LOP 315.42 VP 36.212 GAP -19.70 AZP 88.99 TAL 153.25 TAP 262.34 RCA 77.29 APO 158.62 V2 34.785
 RC 46.594 GL -10.61 GP 7.64 ZAL 45.47 ZAP 8.38 ETS 247.27 ZAE 150.52 ETE 144.68 ZAC 122.59 ETC 23.93 CLP 3.44

PLANETOCENTRIC CONIC

C3 52.108 VHL 7.219 DLA -2.69 RAL 159.21 RAD 6568.9 VEL 13.171 PTM 2.41 VMP 12.323 DPA 25.33 RAP 144.71 ECC 1.8576
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 39 51 2369.24 -23.00 51.52 36.18 106.99 9 19 20 1769.2 -20.45 43.77
 90.00 19 57 56 5180.21 25.85 231.87 38.26 78.02 21 24 16 4580.2 23.94 223.72
 100.00 9 59 56 2110.90 -24.32 32.07 35.73 107.94 10 35 7 1510.9 -21.64 24.30
 100.00 21 20 32 4913.79 27.20 211.94 37.92 77.11 22 42 26 4313.8 25.16 203.74
 110.00 11 5 18 1906.27 -27.88 15.15 34.34 110.63 11 37 4 1306.3 -24.82 7.32
 110.00 22 31 39 4691.18 30.86 193.98 36.86 74.51 23 49 51 4091.2 28.43 185.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0676 TRA-2.6229 TC3 -.2430 BAU .1861
 RDE -.3483 RRA -.4118 RC3 .1111 FAU .01722
 FDE -.9881 FRA 1.7354 FC3 -.2860 BSP 7290
 BDE 1.1230 BRA 2.6550 BC3 .2672 FSP -391

SGT 2277.0 SGR 457.4 SG3 141.6
 RRT .3757 RRF -.4009 RTF -.9092
 SGB 2322.5 R23 -.0508 R13 -.9100
 SGI 2283.7 SG2 422.6 TMA 4.47

ST 1053.1 SR 293.4 SS 944.1
 CRT -.5597 CRS -.6770 CST .9884
 LSA 1422.1 MSA 252.8 SSA 17.4
 EL1 1066.6 EL2 240.1 ALF 170.66

LAUNCH DATE APR 17 1967

FLIGHT TIME 124.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 288.005

RL 150.16 LAL -.00 LOL 206.31 VL 25.528 GAL 12.15 AZL 93.25 MCA 112.25 SMA 118.93 ECC .33204 INC 3.2451 V1 29.673
 RP 108.94 LAP -3.00 LOP 318.59 VP 36.340 GAP -18.81 AZP 88.77 TAL 152.80 TAP 265.03 RCA 79.44 APO 158.42 V2 34.786
 RC 45.578 GL -11.70 GP 8.22 ZAL 45.39 ZAP 8.48 ETS 257.13 ZAE 151.89 ETE 139.91 ZAC 120.71 ETC 23.49 CLP 2.10

PLANETOCENTRIC CONIC

C3 48.517 VHL 6.965 DLA -3.81 RAL 159.07 RAD 6568.8 VEL 13.034 PTM 2.38 VMP 11.813 DPA 25.32 RAP 146.81 ECC 1.7985
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 47 42 2316.49 -21.90 48.04 34.45 108.41 9 26 18 1716.5 -19.19 40.42
 90.00 19 49 1 5197.38 26.09 233.07 37.29 78.58 21 15 38 4597.4 24.25 224.88
 100.00 10 7 15 5059.85 -23.21 28.69 33.96 109.39 10 41 35 1459.9 -20.35 21.06
 100.00 21 12 9 4929.25 27.43 213.03 36.97 77.64 22 34 18 4329.2 25.46 204.79
 110.00 11 11 24 1859.03 -26.71 11.98 32.50 112.18 11 42 23 1259.0 -23.46 4.32
 110.00 22 24 29 4702.84 31.07 194.83 35.96 74.97 23 42 52 4102.8 28.70 186.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0794 TRA-2.6100 TC3 -.2321 BAU .1707
 RDE -.3074 RRA -.4071 RC3 .1240 FAU .01796
 FDE -1.0483 FRA 1.8001 FC3 -.3204 BSP 7621
 BDE 1.1223 BRA 2.6416 BC3 .2632 FSP -428

SGT 2350.1 SGR 454.3 SG3 153.2
 RRT .4138 RRF -.4433 RTF -.9153
 SGB 2393.6 R23 -.0577 R13 -.9162
 SGI 2357.8 SG2 412.2 TMA 4.72

ST 1097.8 SR 272.2 SS 990.6
 CRT -.5339 CRS -.6553 CST .9882
 LSA 1483.3 MSA 245.3 SSA 17.3
 EL1 1107.8 EL2 228.1 ALF 172.12

LAUNCH DATE APR 17 1967 FLIGHT TIME 126.00 ARRIVAL DATE AUG 21 1967

DISTANCE 294.758

MELIOCENTRIC CONIC
 RL 150.16 LAL -.00 LOL 206.31 VL 25.698 GAL 11.69 AZL 93.42 MCA 115.41 SMA 119.86 ECC .31997 INC 3.4167 V1 29.673
 RP 108.93 LAP -3.09 LOP 321.75 VP 36.461 GAP -17.94 AZP 88.53 TAL 152.39 TAP 267.79 RCA 81.51 APO 158.21 V2 34.788
 RC 44.711 GL -12.88 GP 8.86 ZAL 45.39 ZAP 8.89 ETS 266.66 ZAE 153.10 ETE 134.43 ZAC 118.82 ETC 23.10 CLP .73

PLANETOCENTRIC CONIC
 C3 45.279 VHL 6.729 OLA -5.00 RAL 158.86 RAD 6568.7 VEL 12.909 PTH 2.35 VHP 11.322 OPA 25.36 RAP 148.90 ECC 1.7452
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 55 47 2262.08 -20.69 44.51 32.72 109.77 9 33 29 1662.1 -17.81 37.02
 90.00 19 39 15 5217.17 26.35 234.46 36.32 79.23 21 6 12 4617.2 24.59 226.23
 100.00 10 14 46 2007.27 -21.98 25.27 32.21 110.79 10 48 13 1407.3 -18.95 17.78
 100.00 21 2 57 4947.21 27.69 214.31 36.02 78.26 22 25 24 4347.2 25.79 206.02
 110.00 11 17 37 1810.51 -25.42 8.80 30.67 113.67 11 47 47 1210.5 -22.00 1.31
 110.00 22 16 36 4716.73 31.31 195.84 35.05 75.53 23 35 12 4116.7 29.01 187.39

MID-COURSE EXECUTION ACCURACY
 SGT 2425.0 SGR 453.2 SG3 165.9
 RRT .4576 RRF -.4913 RTF -.9205
 SGB 2467.0 R23 -.0655 R13 -.9215
 SGI 2434.1 SG2 401.5 TMA 5.03

ORBIT DETERMINATION ACCURACY
 ST 1141.9 SR 249.1 SS 1039.9
 CRT -.4951 CRS -.6228 CST .9878
 LSA 1546.1 MSA 238.2 SSA 17.2
 EL1 1148.8 EL2 215.1 ALF 173.61

DIFFERENTIAL CORRECTIONS
 TDE 1.0891 TRA-2.5981 TC3 -.2216 BAU .1580
 RDE -.2658 RRA -.4047 RC3 .1380 FAU .01871
 FDE-1.1142 FRA 1.8698 FC3 -.3577 BSP 7869
 BDE 1.1211 BRA 2.6295 BC3 .2611 FSP -466

LAUNCH DATE APR 17 1967 FLIGHT TIME 128.00 ARRIVAL DATE AUG 23 1967

DISTANCE 301.515

MELIOCENTRIC CONIC
 RL 150.16 LAL -.00 LOL 206.31 VL 25.856 GAL 11.26 AZL 93.60 MCA 118.56 SMA 120.75 ECC .30851 INC 3.5976 V1 29.673
 RP 108.92 LAP -3.16 LOP 324.92 VP 36.576 GAP -17.10 AZP 88.28 TAL 152.01 TAP 270.57 RCA 83.50 APO 158.00 V2 34.791
 RC 44.000 GL -14.15 GP 9.59 ZAL 45.49 ZAP 9.62 ETS 275.22 ZAE 154.08 ETE 128.27 ZAC 116.92 ETC 22.73 CLP -.65

PLANETOCENTRIC CONIC
 C3 42.374 VHL 6.510 OLA -6.26 RAL 158.57 RAD 6568.6 VEL 12.796 PTH 2.33 VHP 10.847 OPA 25.47 RAP 151.00 ECC 1.6974
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 4 10 2205.83 -19.36 40.93 31.00 111.08 9 40 56 1605.8 -16.32 33.57
 90.00 19 28 33 5240.03 26.63 236.07 35.35 79.99 20 55 53 4640.0 24.97 227.80
 100.00 10 22 32 1953.01 -20.62 21.80 30.46 112.13 10 55 5 1353.0 -17.44 14.45
 100.00 20 52 52 4968.09 27.97 215.79 35.07 79.00 22 15 40 4368.1 26.17 207.46
 110.00 11 23 59 1760.64 -24.02 5.60 28.86 115.09 11 53 20 1160.6 -20.43 358.29
 110.00 22 7 55 4733.22 31.59 197.05 34.15 76.19 23 26 48 4133.2 29.37 188.54

MID-COURSE EXECUTION ACCURACY
 SGT 2493.8 SGR 455.1 SG3 179.7
 RRT .5062 RRF -.5447 RTF -.9260
 SGB 2534.9 R23 -.0743 R13 -.9272
 SGI 2504.6 SG2 390.7 TMA 5.41

ORBIT DETERMINATION ACCURACY
 ST 1187.5 SR 224.1 SS 1093.1
 CRT -.4399 CRS -.5732 CST .9877
 LSA 1613.4 MSA 230.2 SSA 17.0
 EL1 1191.7 EL2 200.6 ALF 175.12

DIFFERENTIAL CORRECTIONS
 TDE 1.1025 TRA-2.5768 TC3 -.2053 BAU .1451
 RDE -.2233 RRA -.4051 RC3 .1532 FAU .01953
 FDE-1.1880 FRA 1.9435 FC3 -.3989 BSP 8140
 BDE 1.1249 BRA 2.6084 BC3 .2561 FSP -508

LAUNCH DATE APR 17 1967 FLIGHT TIME 130.00 ARRIVAL DATE AUG 25 1967

DISTANCE 308.275

MELIOCENTRIC CONIC
 RL 150.16 LAL -.00 LOL 206.31 VL 26.004 GAL 10.84 AZL 93.79 MCA 121.72 SMA 121.60 ECC .29766 INC 3.7898 V1 29.673
 RP 108.91 LAP -3.22 LOP 328.09 VP 36.684 GAP -16.28 AZP 88.01 TAL 151.66 TAP 273.38 RCA 85.40 APO 157.79 V2 34.795
 RC 43.455 GL -15.52 GP 10.42 ZAL 45.68 ZAP 10.62 ETS 282.48 ZAE 154.74 ETE 121.48 ZAC 115.01 ETC 22.41 CLP -2.06

PLANETOCENTRIC CONIC
 C3 39.785 VHL 6.308 OLA -7.59 RAL 158.20 RAD 6568.5 VEL 12.695 PTH 2.31 VHP 10.391 OPA 25.67 RAP 153.11 ECC 1.6548
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 12 57 2147.54 -17.89 37.28 29.31 112.32 9 48 45 1547.5 -14.71 30.05
 90.00 19 16 46 5266.50 26.93 237.95 34.38 80.89 20 44 33 4666.5 25.39 229.62
 100.00 10 30 39 1896.89 -19.15 18.29 28.75 113.40 11 2 16 1296.9 -15.82 11.08
 100.00 20 41 46 4992.38 28.27 217.54 34.13 79.87 22 4 58 4392.4 26.58 209.14
 110.00 11 30 34 1709.30 -22.50 2.39 27.09 116.44 11 59 3 1109.3 -18.76 355.25
 110.00 21 58 20 4752.74 31.89 198.49 33.27 76.99 23 17 33 4152.7 29.78 189.91

MID-COURSE EXECUTION ACCURACY
 SGT 2570.0 SGR 460.7 SG3 194.7
 RRT .5596 RRF -.6020 RTF -.9310
 SGB 2611.0 R23 -.0837 R13 -.9324
 SGI 2583.2 SG2 379.9 TMA 5.86

ORBIT DETERMINATION ACCURACY
 ST 1237.8 SR 197.6 SS 1151.1
 CRT -.3534 CRS -.4949 CST .9875
 LSA 1687.1 MSA 222.8 SSA 16.7
 EL1 1239.8 EL2 184.6 ALF 176.70

DIFFERENTIAL CORRECTIONS
 TDE 1.1203 TRA-2.5625 TC3 -.1858 BAU .1339
 RDE -.1790 RRA -.4082 RC3 .1699 FAU .02046
 FDE-1.2720 FRA 2.0204 FC3 -.4452 BSP 8492
 BDE 1.1346 BRA 2.5948 BC3 .2518 FSP -556

LAUNCH DATE APR 17 1967 FLIGHT TIME 132.00 ARRIVAL DATE AUG 27 1967

DISTANCE 315.035

MELIOCENTRIC CONIC
 RL 150.16 LAL -.00 LOL 206.31 VL 26.141 GAL 10.44 AZL 94.00 MCA 124.88 SMA 122.40 ECC .28740 INC 3.9955 V1 29.673
 RP 108.90 LAP -3.28 LOP 331.25 VP 36.785 GAP -15.49 AZP 87.71 TAL 151.34 TAP 276.22 RCA 87.22 APO 157.58 V2 34.799
 RC 43.079 GL -17.01 GP 11.37 ZAL 45.99 ZAP 11.89 ETS 288.38 ZAE 155.01 ETE 114.27 ZAC 113.09 ETC 22.11 CLP -3.51

PLANETOCENTRIC CONIC
 C3 37.498 VHL 6.124 OLA -9.01 RAL 157.73 RAD 6568.5 VEL 12.604 PTH 2.29 VHP 9.954 OPA 25.96 RAP 155.24 ECC 1.6171
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 22 15 2086.93 -16.28 33.56 27.67 113.49 9 57 2 1486.9 -12.97 26.45
 90.00 19 3 46 5297.18 27.24 240.15 33.45 81.95 20 32 4 4697.2 25.84 231.76
 100.00 10 39 12 1838.70 -17.53 14.72 27.08 114.60 11 9 50 1238.7 -14.07 7.64
 100.00 20 29 31 5020.65 28.60 219.58 33.21 80.90 21 53 11 4420.7 27.04 211.12
 110.00 11 37 26 1656.36 -20.86 359.16 25.35 117.72 12 5 2 1056.4 -16.98 352.17
 110.00 21 47 46 4775.76 32.23 200.19 32.43 77.95 23 7 22 4175.8 30.24 191.55

MID-COURSE EXECUTION ACCURACY
 SGT 2643.4 SGR 472.2 SG3 211.0
 RRT .6164 RRF -.6627 RTF -.9354
 SGB 2685.2 R23 -.0947 R13 -.9370
 SGI 2659.7 SG2 369.5 TMA 6.41

ORBIT DETERMINATION ACCURACY
 ST 1286.3 SR 171.3 SS 1212.6
 CRT -.2114 CRS -.3630 CST .9872
 LSA 1762.8 MSA 216.0 SSA 16.4
 EL1 1286.8 EL2 167.4 ALF 178.36

DIFFERENTIAL CORRECTIONS
 TDE 1.1368 TRA-2.5453 TC3 -.1670 BAU .1260
 RDE -.1325 RRA -.4151 RC3 .1878 FAU .02136
 FDE-1.3646 FRA 2.1036 FC3 -.4931 BSP 8706
 BDE 1.1445 BRA 2.5789 BC3 .2513 FSP -605

LAUNCH DATE APR 17 1967

FLIGHT TIME 134.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 321.793

RL 150.16 LAL -.00 LOL 206.31 VL 26.270 GAL 10.07 AZL 94.22 MCA 128.04 SMA 123.17 ECC .27771 INC 4.2178 V1 29.673
 RP 108.88 LAP -3.32 LOP 334.42 VP 36.881 GAP -14.72 AZP 87.40 TAL 151.06 TAP 279.10 RCA 88.96 APO 157.37 V2 34.804
 RC 42.876 GL -18.62 GP 12.46 ZAL 46.41 ZAP 13.40 ETS 293.02 ZAE 154.81 ETE 106.92 ZAC 111.16 ETC 21.84 CLP -4.98

PLANETOCENTRIC CONIC

C3 35.502 VHL 5.958 DLA -10.52 RAL 157.17 RAD 6568.4 VEL 12.525 PTH 2.27 VMP 9.535 DPA 26.38 RAP 157.39 ECC 1.5843
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 32 12 2023.64 -14.52 29.74 26.08 114.58 10 5 55 1423.6 -11.09 22.75
 90.00 18 49 22 5332.84 27.55 242.71 32.54 83.19 20 18 14 4732.8 26.32 234.26
 100.00 10 48 18 1778.11 -15.78 11.08 25.47 115.72 11 17 56 1178.1 -12.19 4.13
 100.00 20 15 56 5053.60 28.93 221.97 32.34 82.11 21 40 10 4453.6 27.53 213.44
 110.00 11 44 39 1601.62 -19.09 355.90 23.68 118.91 12 11 21 1001.6 -15.08 349.07
 110.00 21 36 4 4802.85 32.60 202.22 31.63 79.10 22 56 7 4202.9 30.75 193.49

DIFFERENTIAL CORRECTIONS

TDE 1.1618 TRA-2.5212 TC3 -.1406 BAU .1189
 ROE -.0827 RRA -.4263 RC3 .2073 FAU .02240
 FDE-1.4714 FRA 2.1891 FC3 -.5462 BSP 9038
 BOE 1.1648 BRA 2.5570 BC3 .2505 FSP -663

MID-COURSE EXECUTION ACCURACY

SGT 2712.4 SGR 491.1 SG3 228.8
 RRT -.6741 RRF -.7237 RTF -.9401
 SGB 2756.5 R23 -.1064 R13 -.9420
 SGI 2732.9 SG2 360.0 TMA 7.08

ORBIT DETERMINATION ACCURACY

ST 1340.0 SR 148.4 SS 1280.3
 CRT .0184 CRS -.1389 CST .9873
 LSA 1847.4 MSA 208.5 SSA 16.0
 EL1 1340.0 EL2 148.4 ALF .12

LAUNCH DATE APR 17 1967

FLIGHT TIME 136.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 328.546

RL 150.16 LAL -.00 LOL 206.31 VL 26.389 GAL 9.71 AZL 94.46 MCA 131.20 SMA 123.89 ECC .26858 INC 4.4602 V1 29.673
 RP 108.87 LAP -3.35 LOP 337.59 VP 36.972 GAP -13.97 AZP 87.06 TAL 150.81 TAP 282.01 RCA 90.61 APO 157.16 V2 34.809
 RC 42.849 GL -20.36 GP 13.71 ZAL 46.97 ZAP 15.14 ETS 296.57 ZAE 154.12 ETE 99.77 ZAC 109.21 ETC 21.60 CLP -6.49

PLANETOCENTRIC CONIC

C3 33.791 VHL 5.813 DLA -12.14 RAL 156.51 RAD 6568.3 VEL 12.456 PTH 2.25 VMP 9.137 DPA 26.95 RAP 159.59 ECC 1.5561
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 42 59 1957.16 -12.61 25.80 24.56 115.57 10 15 36 1357.2 -9.06 18.92
 90.00 18 33 17 5374.39 27.85 245.71 31.69 84.67 20 2 51 4774.4 26.82 237.20
 100.00 10 58 7 1714.73 -13.87 7.34 23.92 116.75 11 26 42 1114.7 -10.17 .50
 100.00 20 0 49 5092.05 29.25 224.78 31.52 83.56 21 25 41 4492.1 28.05 216.18
 110.00 11 52 22 1544.85 -17.19 352.59 22.07 120.01 12 18 7 944.9 -13.07 345.90
 110.00 21 23 4 4834.68 32.99 204.63 30.91 80.47 22 43 39 4234.7 31.32 195.80

DIFFERENTIAL CORRECTIONS

TDE 1.2031 TRA-2.4837 TC3 -.0979 BAU .1125
 ROE -.0278 RRA -.4419 RC3 .2289 FAU .02373
 FDE-1.5979 FRA 2.2724 FC3 -.6080 BSP 9650
 BOE 1.2034 BRA 2.5227 BC3 .2490 FSP -737

MID-COURSE EXECUTION ACCURACY

SGT 2773.0 SGR 519.6 SG3 247.8
 RRT .7306 RRF -.7819 RTF -.9459
 SGB 2821.2 R23 -.1165 R13 -.9480
 SGI 2799.2 SG2 351.5 TMA 7.92

ORBIT DETERMINATION ACCURACY

ST 1403.8 SR 136.7 SS 1356.7
 CRT .3535 CRS .2077 CST .9882
 LSA 1946.9 MSA 198.6 SSA 15.4
 EL1 1404.6 EL2 127.8 ALF 1.99

LAUNCH DATE APR 17 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 335.291

RL 150.16 LAL -.00 LOL 206.31 VL 26.500 GAL 9.37 AZL 94.73 MCA 134.36 SMA 124.57 ECC .25999 INC 4.7274 V1 29.673
 RP 108.85 LAP -3.38 LOP 340.76 VP 37.057 GAP -13.25 AZP 86.69 TAL 150.60 TAP 284.96 RCA 92.18 APO 156.96 V2 34.815
 RC 42.995 GL -22.26 GP 15.16 ZAL 47.67 ZAP 17.12 ETS 299.22 ZAE 152.93 ETE 93.16 ZAC 107.23 ETC 21.37 CLP -8.04

PLANETOCENTRIC CONIC

C3 32.366 VHL 5.689 DLA -13.88 RAL 155.73 RAD 6568.3 VEL 12.399 PTH 2.24 VMP 8.761 DPA 27.70 RAP 161.84 ECC 1.5327
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 54 52 1886.79 -10.50 21.70 23.15 116.45 10 26 19 1286.8 -6.87 14.91
 90.00 18 15 11 5423.03 28.11 249.25 30.89 86.43 19 45 34 4823.0 27.32 240.67
 100.00 11 8 53 1647.99 -11.79 3.47 22.48 117.67 11 36 21 1048.0 -8.00 356.74
 100.00 19 43 52 5137.06 29.55 228.09 30.77 85.28 21 9 29 4537.1 28.58 219.42
 110.00 12 0 41 1485.73 -15.14 349.23 20.54 121.02 12 25 26 885.7 -10.92 342.67
 110.00 21 8 33 4872.08 33.37 207.48 30.28 82.12 22 29 45 4272.1 31.92 198.55

DIFFERENTIAL CORRECTIONS

TDE 1.2659 TRA-2.4287 TC3 -.0325 BAU .1105
 ROE .0342 RRA -.4624 RC3 .2533 FAU .02551
 FDE-1.7503 FRA 2.3488 FC3 -.6823 BSP 10624
 BOE 1.2664 BRA 2.4723 BC3 .2553 FSP -835

MID-COURSE EXECUTION ACCURACY

SGT 2824.0 SGR 560.7 SG3 268.4
 RRT .7844 RRF -.8346 RTF -.9529
 SGB 2879.1 R23 -.1224 R13 -.9554
 SGI 2858.5 SG2 343.6 TMA 8.98

ORBIT DETERMINATION ACCURACY

ST 1482.2 SR 148.2 SS 1444.6
 CRT .6951 CRS .5874 CST .9898
 LSA 2066.7 MSA 185.3 SSA 14.6
 EL1 1485.8 EL2 106.3 ALF 4.00

LAUNCH DATE APR 17 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 342.038

RL 150.16 LAL -.00 LOL 206.31 VL 26.603 GAL 9.05 AZL 95.03 MCA 137.52 SMA 125.21 ECC .25196 INC 5.0251 V1 29.673
 RP 108.83 LAP -3.39 LOP 343.94 VP 37.137 GAP -12.54 AZP 86.29 TAL 150.40 TAP 287.92 RCA 93.66 APO 156.76 V2 34.822
 RC 43.312 GL -24.31 GP 16.85 ZAL 48.52 ZAP 19.34 ETS 301.10 ZAE 151.26 ETE 87.32 ZAC 105.22 ETC 21.15 CLP -9.63

PLANETOCENTRIC CONIC

C3 31.248 VHL 5.590 DLA -15.74 RAL 154.84 RAD 6568.2 VEL 12.354 PTH 2.23 VMP 8.410 DPA 28.66 RAP 164.17 ECC 1.5143
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 8 15 1811.71 -8.20 17.39 21.88 117.20 10 38 27 1211.7 -4.49 10.68
 90.00 17 54 41 5480.42 28.28 253.44 30.18 88.52 19 26 2 4880.4 27.78 244.81
 100.00 11 20 54 1577.29 -9.53 359.45 21.17 118.47 11 47 11 977.3 -5.65 352.80
 100.00 19 24 43 5190.07 29.78 232.02 30.12 87.33 20 51 13 4590.1 29.10 223.28
 110.00 12 9 50 1424.00 -12.95 345.79 19.14 121.92 12 33 34 824.0 -8.64 339.35
 110.00 20 52 16 4916.12 33.73 210.86 29.77 84.09 22 14 13 4316.1 32.55 201.83

DIFFERENTIAL CORRECTIONS

TDE 1.2194 TRA-2.4896 TC3 -.1136 BAU .1225
 ROE .0983 RRA -.4976 RC3 .2703 FAU .02433
 FDE-1.8598 FRA 2.4925 FC3 -.6740 BSP 8810
 BOE 1.2233 BRA 2.5308 BC3 .2932 FSP -806

MID-COURSE EXECUTION ACCURACY

SGT 2933.7 SGR 618.2 SG3 289.8
 RRT .8228 RRF -.8808 RTF -.9477
 SGB 2998.2 R23 -.1584 R13 -.9511
 SGI 2978.1 SG2 346.1 TMA 9.97

ORBIT DETERMINATION ACCURACY

ST 1481.4 SR 188.4 SS 1501.3
 CRT .9040 CRS .8192 CST .9853
 LSA 2107.7 MSA 203.4 SSA 14.0
 EL1 1491.2 EL2 80.0 ALF 6.58

LAUNCH DATE APR 17 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 348.767

RL 150.16 LAL -1.00 LOL 206.31 VL 26.698 GAL 8.75 AZL 95.36 HCA 140.68 SMA 125.02 ECC .24441 INC 5.3612 V1 29.673
 RP 108.80 LAP -3.39 LOP 347.11 VP 37.212 GAP -11.86 AZP 85.85 TAL 150.24 TAP 290.93 RCA 95.06 APO 156.57 V2 34.837
 RC 43.796 GL -26.55 GP 18.83 ZAL 49.55 ZAP 21.84 ETS 302.34 ZAE 149.13 ETE 82.38 ZAC 103.16 ETC 20.94 CLP -11.26

PLANETOCENTRIC CONIC

C3 30.433 VHL 5.517 DLA -17.75 RAL 153.80 RAD 6568.2 VEL 12.321 PTH 2.22 VMP 8.087 DPA 29.89 RAP 166.62 ECC 1.5008
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 23 39 1730.12 -5.63 12.77 20.78 117.80 10 52 29 1130.1 -1.87 6.11
 90.00 17 31 0 5548.74 28.30 258.43 29.52 91.02 19 3 28 4948.7 28.14 249.77
 100.00 11 34 35 1501.21 -7.03 355.18 20.02 119.13 11 59 37 901.2 -3.09 348.60
 100.00 19 2 44 5252.88 29.89 236.68 29.54 89.78 20 30 17 4652.9 29.54 227.90
 110.00 12 20 2 1358.83 -10.57 342.24 17.87 122.70 12 42 41 758.8 -6.19 335.89
 110.00 20 33 47 4968.02 34.02 214.89 29.38 86.46 21 56 35 4368.0 33.16 205.76

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2874 TRA-2.4434 TC3 -.0622 BAU .1229 SGT 2981.9 SGR 693.9 SG3 312.1 ST 1557.8 SR 256.1 SS 1597.3
 RDE .1798 RRA -.5349 RC3 .2956 FAU .02567 RRT .8609 RRF -.9165 RTF -.9532 CRT .9764 CRS .9300 CST .9869
 FDE -2.0460 FRA 2.5752 FC3 -.7302 BSP 9504 SGB 3061.6 R23 -.1664 R13 -.9573 LSA 2237.3 MSA 194.8 SSA 13.0
 BDE 1.2999 BRA 2.5012 BC3 .3021 FSP -897 SG1 3042.0 SG2 346.0 TMA 11.48 EL1 1577.8 EL2 54.6 ALF 9.13

LAUNCH DATE APR 17 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 355.486

RL 150.16 LAL -1.00 LOL 206.31 VL 26.786 GAL 8.47 AZL 95.75 HCA 143.84 SMA 126.38 ECC .23736 INC 5.7461 V1 29.673
 RP 108.78 LAP -3.39 LOP 350.29 VP 37.283 GAP -11.19 AZP 85.36 TAL 150.11 TAP 293.95 RCA 96.38 APO 156.38 V2 34.838
 RC 44.440 GL -28.98 GP 21.17 ZAL 50.77 ZAP 24.85 ETS 303.05 ZAE 146.57 ETE 78.36 ZAC 101.04 ETC 20.71 CLP -12.94

PLANETOCENTRIC CONIC

C3 29.968 VHL 5.474 DLA -19.91 RAL 152.60 RAD 6568.2 VEL 12.302 PTH 2.22 VMP 7.797 DPA 31.43 RAP 169.23 ECC 1.4932
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 42 1 1639.59 -2.73 7.69 19.93 118.20 11 9 20 1039.6 1.06 1.06
 90.00 17 3 5 5633.55 28.05 264.48 28.92 94.04 18 36 56 5031.6 28.32 255.82
 100.00 11 50 40 1418.04 -4.25 350.57 19.09 119.62 12 14 18 818.0 -2.28 344.04
 100.00 18 37 7 5328.33 29.78 242.29 29.03 92.73 20 5 55 4728.3 29.84 233.48
 110.00 12 31 41 1289.52 -8.00 338.52 16.78 123.34 12 53 10 689.5 -3.56 332.24
 110.00 20 12 36 5029.62 34.18 219.69 29.13 89.30 21 36 25 4429.6 33.70 210.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.3529 TRA-2.4110 TC3 -.0315 BAU .1288 SGT 3034.6 SGR 792.5 SG3 334.6 ST 1628.8 SR 348.9 SS 1694.3
 RDE .2764 RRA -.5834 RC3 .3199 FAU .02645 RRT .8900 RRF -.9435 RTF -.9570 CRT .9967 CRS .9731 CST .9878
 FDE -2.2481 FRA 2.6595 FC3 -.7640 BSP 9849 SGB 3136.4 R23 -.1758 R13 -.9620 LSA 2368.3 MSA 191.1 SSA 11.9
 BDE 1.3808 BRA 2.4808 BC3 .3214 FSP -972 SG1 3116.6 SG2 351.9 TMA 13.26 EL1 1665.6 EL2 27.9 ALF 12.05

LAUNCH DATE APR 17 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 362.193

RL 150.16 LAL -1.00 LOL 206.31 VL 26.868 GAL 8.21 AZL 96.19 HCA 147.00 SMA 126.91 ECC .23080 INC 6.1941 V1 29.673
 RP 108.75 LAP -3.37 LOP 353.46 VP 37.349 GAP -10.54 AZP 84.80 TAL 150.00 TAP 297.01 RCA 97.62 APO 156.20 V2 34.846
 RC 45.237 GL -31.64 GP 23.94 ZAL 52.21 ZAP 27.84 ETS 303.30 ZAE 143.57 ETE 75.23 ZAC 98.82 ETC 20.44 CLP -14.65

PLANETOCENTRIC CONIC

C3 29.911 VHL 5.469 DLA -22.25 RAL 151.22 RAD 6568.2 VEL 12.300 PTH 2.22 VMP 7.548 DPA 33.36 RAP 172.07 ECC 1.4923
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 5 3 1535.19 .63 1.87 19.44 118.31 11 30 39 935.2 4.41 355.23
 90.00 16 29 1 5734.99 27.33 271.96 28.29 97.72 18 4 36 5135.0 28.11 263.38
 100.00 12 10 20 1324.49 -1.09 345.43 18.48 119.87 12 32 25 724.5 2.89 338.90
 100.00 18 6 26 5420.92 29.28 249.12 28.56 96.29 19 36 47 4820.9 29.85 240.37
 110.00 12 45 21 1214.74 -5.18 334.56 15.94 123.84 13 5 36 614.7 -7.1 328.34
 110.00 19 47 54 5103.45 34.09 225.46 29.01 92.71 21 12 58 4503.4 34.09 216.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.4354 TRA-2.3771 TC3 -.0016 BAU .1373 SGT 3082.3 SGR 918.4 SG3 356.1 ST 1706.7 SR 468.6 SS 1796.3
 RDE .3935 RRA -.6436 RC3 .3434 FAU .02698 RRT .9123 RRF -.9628 RTF -.9607 CRT .9997 CRS .9898 CST .9888
 FDE -2.4763 FRA 2.7276 FC3 -.7810 BSP 10238 SGB 3216.2 R23 -.1807 R13 -.9668 LSA 2514.7 MSA 188.2 SSA 10.7
 BDE 1.4889 BRA 2.4627 BC3 .3434 FSP -1048 SG1 3195.7 SG2 362.8 TMA 15.41 EL1 1769.8 EL2 11.4 ALF 15.35

LAUNCH DATE APR 17 1967

FLIGHT TIME 148.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 368.885

RL 150.16 LAL -1.00 LOL 206.31 VL 26.943 GAL 7.96 AZL 96.73 HCA 150.17 SMA 127.40 ECC .22470 INC 6.7257 V1 29.673
 RP 108.72 LAP -3.34 LOP 356.64 VP 37.412 GAP -9.91 AZP 84.16 TAL 149.91 TAP 300.08 RCA 98.77 APO 156.02 V2 34.856
 RC 46.178 GL -34.55 GP 27.23 ZAL 53.89 ZAP 31.46 ETS 303.15 ZAE 140.09 ETE 72.89 ZAC 96.48 ETC 20.10 CLP -16.39

PLANETOCENTRIC CONIC

C3 30.360 VHL 5.510 DLA -24.28 RAL 149.62 RAD 6568.2 VEL 12.318 PTH 2.22 VMP 7.351 DPA 35.74 RAP 175.26 ECC 1.4996
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 36 45 1405.12 4.81 354.60 19.57 117.94 12 0 10 805.1 8.52 347.87
 90.00 15 44 33 5872.53 25.69 281.69 27.45 102.34 17 22 26 5272.5 27.14 273.32
 100.00 12 36 3 1213.69 2.67 339.35 18.39 119.78 12 56 16 613.7 6.61 332.78
 100.00 17 27 57 5539.18 28.09 257.71 28.00 100.66 19 0 16 4939.2 29.28 249.11
 110.00 13 2 1 1132.25 -2.04 330.24 15.45 124.13 13 20 53 532.2 2.45 324.04
 110.00 19 18 28 5193.39 33.58 232.43 28.98 96.80 20 45 2 4593.4 34.16 223.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.5383 TRA-2.3454 TC3 .0208 BAU .1477 SGT 3126.5 SGR 1075.8 SG3 374.9 ST 1791.2 SR 618.8 SS 1900.1
 RDE .5458 RRA -.7173 RC3 .3634 FAU .02696 RRT .9287 RRF -.9759 RTF -.9641 CRT .9982 CRS .9963 CST .9898
 FDE -2.7273 FRA 2.7704 FC3 -.7687 BSP 10606 SGB 3306.4 R23 -.1808 R13 -.9715 LSA 2677.1 MSA 186.6 SSA 9.5
 BDE 1.6323 BRA 2.4527 BC3 .3640 FSP -1115 SG1 3284.6 SG2 379.6 TMA 17.97 EL1 1894.7 EL2 35.1 ALF 19.03

LAUNCH DATE APR 17 1967

FLIGHT TIME 150.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC
 RL 150.16 LAL -.00 LOL 206.31 VL 27.011 GAL 7.73 AZL 97.37 HCA 153.33 SMA 127.85 ECC .21905 INC 7.3709 V1 29.673
 RP 108.69 LAP -3.30 LOP 359.82 VP 37.470 GAP -9.30 AZP 83.41 TAL 149.85 TAP 303.17 RCA 99.85 APO 155.86 V2 34.865
 RC 47.255 GL -37.74 GP 31.18 ZAL 55.84 ZAP 35.60 ETS 302.65 ZAE 136.06 ETE 71.20 ZAC 93.99 ETC 19.61 CLP -18.13

PLANETOCENTRIC CONIC
 C3 31.476 VHL 5.610 DLA -27.51 RAL 147.75 RAD 6568.3 VEL 12.363 PTH 2.23 VHP 7.226 DPA 38.64 RAP 178.96 ECC 1.5180
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 33 54 1197.03 11.28 342.73 21.16 116.15 12 53 51 597.0 14.71 335.72
 90.00 14 32 29 810.72 21.52 319.03 25.58 108.86 14 45 59 210.7 23.90 311.17
 100.00 13 14 38 1065.42 7.63 331.14 19.23 118.99 13 32 23 465.4 11.44 324.42
 100.00 16 34 26 5705.60 25.45 269.36 26.93 106.24 18 9 32 5105.6 27.43 261.12
 110.00 13 23 29 1037.58 1.58 325.30 15.50 124.15 13 40 47 437.6 6.05 319.07
 110.00 18 42 4 5306.20 32.34 240.99 28.89 101.73 20 10 30 4706.2 33.62 231.99

DIFFERENTIAL CORRECTIONS
 TOE 1.6691 TRA-2.3194 TC3 .0320 BAU .1588 SGT 3188.5 SGR 1268.8 SG3 388.3 ST 1883.5 SR 805.1 SS 2000.7
 ROE .7396 RRA -.8060 RC3 .3760 FAU .02606 RRT .9406 RRF -.9844 RTF -.9670 CRT .9962 CRS .9987 CST .9908
 FDE-2.9941 FRA 2.7733 FC3 -.7169 BSP 10938 SGB 3413.1 R23 -.1761 R13 -.9761 LSA 2857.2 MSA 186.6 SSA 8.3
 BOE 1.8256 BRA 2.4555 BC3 .3773 FSP -1163 SG1 3389.3 SG2 402.8 THA 20.95 EL1 2047.3 EL2 64.8 ALF 23.09

LAUNCH DATE APR 17 1967

FLIGHT TIME 152.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC
 RL 150.16 LAL -.00 LOL 206.31 VL 27.075 GAL 7.52 AZL 98.18 HCA 156.48 SMA 128.28 ECC .21385 INC 8.1759 V1 29.673
 RP 108.66 LAP -3.25 LOP 3.01 VP 37.525 GAP -8.70 AZP 82.49 TAL 149.79 TAP 306.28 RCA 100.84 APO 155.71 V2 34.875
 RC 48.458 GL -41.23 GP 35.89 ZAL 58.12 ZAP 40.34 ETS 301.82 ZAE 131.39 ETE 70.00 ZAC 91.28 ETC 18.88 CLP -19.81

PLANETOCENTRIC CONIC
 C3 33.542 VHL 5.792 DLA -30.46 RAL 145.54 RAD 6568.3 VEL 12.446 PTH 2.25 VHP 7.202 DPA 42.13 RAP 183.43 ECC 1.5520
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.28 11 50 6 1323.46 17.51 355.11 23.09 115.33 12 12 9 723.5 20.77 347.79
 101.72 14 58 39 716.31 17.52 310.38 23.09 115.32 15 10 36 116.3 20.79 303.07
 78.28 11 50 6 1323.46 17.51 355.11 23.09 115.33 12 12 9 723.5 20.77 347.79
 101.72 14 58 39 716.31 17.52 310.38 23.09 115.32 15 10 36 116.3 20.79 303.07
 110.00 13 54 13 919.11 6.08 319.09 16.50 123.70 14 9 32 319.1 10.47 312.75
 110.00 17 53 42 5456.69 29.73 251.93 28.33 107.71 19 24 39 4856.7 31.86 243.37

DIFFERENTIAL CORRECTIONS
 TOE 1.8472 TRA-2.2983 TC3 .0348 BAU .1695 SGT 3209.2 SGR 1499.1 SG3 392.5 ST 1991.4 SR 1033.8 SS 2092.7
 ROE .9960 RRA -.9081 RC3 .3765 FAU .02408 RRT .9494 RRF -.9897 RTF -.9699 CRT .9948 CRS .9996 CST .9919
 FDE-3.2657 FRA 2.7116 FC3 -.6216 BSP 11340 SGB 3542.0 R23 -.1655 R13 -.9806 LSA 3062.5 MSA 186.9 SSA 7.1
 BOE 2.0986 BRA 2.4712 BC3 .3781 FSP -1184 SG1 3515.9 SG2 429.8 THA 24.30 EL1 2241.8 EL2 93.6 ALF 27.37

LAUNCH DATE APR 17 1967

FLIGHT TIME 154.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC
 RL 150.16 LAL -.00 LOL 206.31 VL 27.132 GAL 7.32 AZL 99.22 HCA 159.64 SMA 128.66 ECC .20907 INC 9.2151 V1 29.673
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.577 GAP -8.12 AZP 81.35 TAL 149.75 TAP 309.39 RCA 101.76 APO 155.57 V2 34.886
 RC 49.776 GL -45.06 GP 41.50 ZAL 60.75 ZAP 45.76 ETS 300.65 ZAE 125.92 ETE 69.02 ZAC 88.30 ETC 17.71 CLP -21.33

PLANETOCENTRIC CONIC
 C3 37.071 VHL 6.089 DLA -33.62 RAL 142.89 RAD 6568.4 VEL 12.587 PTH 2.28 VHP 7.327 DPA 46.20 RAP 189.11 ECC 1.6101
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 71.08 10 50 42 1501.33 18.36 9.09 22.92 118.67 11 15 43 901.3 22.04 1.94
 108.92 15 36 54 5877.00 18.38 279.07 22.93 118.66 17 14 51 5277.0 22.06 271.91
 71.08 10 50 42 1501.33 18.36 9.09 22.92 118.67 11 15 43 901.3 22.04 1.94
 108.92 15 36 54 5877.00 18.38 279.07 22.93 118.66 17 14 51 5277.0 22.06 271.91
 110.00 14 56 18 713.22 13.68 307.98 20.09 121.64 15 8 12 113.2 17.76 301.25
 110.00 16 30 29 5713.11 23.19 268.98 25.58 115.84 18 5 42 5113.1 26.47 261.35

DIFFERENTIAL CORRECTIONS
 TOE 2.0999 TRA-2.2884 TC3 .0269 BAU .1776 SGT 3254.7 SGR 1762.5 SG3 383.2 ST 2122.9 SR 1308.3 SS 2165.8
 ROE 1.3409 RRA-1.0185 RC3 .3574 FAU .02063 RRT .9560 RRF -.9930 RTF -.9728 CRT .9942 CRS .9999 CST .9931
 FDE-3.5163 FRA 2.5616 FC3 -.4818 BSP 11844 SGB 3701.3 R23 -.1502 R13 -.9848 LSA 3297.6 MSA 187.0 SSA 6.0
 BOE 2.4915 BRA 2.5049 BC3 .3584 FSP -1166 SG1 3672.8 SG2 458.1 THA 27.84 EL1 2490.8 EL2 119.6 ALF 31.58

LAUNCH DATE APR 17 1967

FLIGHT TIME 156.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC
 RL 150.16 LAL -.00 LOL 206.31 VL 27.185 GAL 7.15 AZL 100.62 HCA 162.79 SMA 129.02 ECC .20472 INC 10.6173 V1 29.673
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.625 GAP -7.55 AZP 79.85 TAL 149.72 TAP 312.51 RCA 102.61 APO 155.44 V2 34.897
 RC 51.201 GL -49.22 GP 48.12 ZAL 63.79 ZAP 51.91 ETS 298.99 ZAE 119.54 ETE 67.85 ZAC 85.00 ETC 15.73 CLP -22.46

PLANETOCENTRIC CONIC
 C3 43.073 VHL 6.563 DLA -36.94 RAL 139.66 RAD 6568.6 VEL 12.823 PTH 2.33 VHP 7.688 DPA 50.73 RAP 196.73 ECC 1.7089
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 65.21 10 4 22 1639.81 18.63 20.21 23.01 122.50 10 31 42 1039.8 22.78 13.32
 114.79 15 57 27 5814.30 18.64 274.27 23.02 122.49 17 34 21 5214.3 22.79 267.38
 65.21 10 4 22 1639.81 18.63 20.21 23.01 122.50 10 31 42 1039.8 22.78 13.32
 114.79 15 57 27 5814.30 18.64 274.27 23.02 122.49 17 34 21 5214.3 22.79 267.38
 65.21 10 4 22 1639.81 18.63 20.21 23.01 122.50 10 31 42 1039.8 22.78 13.32
 114.79 15 57 27 5814.30 18.64 274.27 23.02 122.49 17 34 21 5214.3 22.79 267.38

DIFFERENTIAL CORRECTIONS
 TOE 2.4816 TRA-2.3033 TC3 .0061 BAU .1781 SGT 3320.2 SGR 2039.8 SG3 355.8 ST 2294.2 SR 1620.9 SS 2205.5
 ROE 1.8081 RRA-1.1229 RC3 .3093 FAU .01532 RRT .9611 RRF -.9948 RTF -.9739 CRT .9943 CRS 1.0000 CST .9944
 FDE-3.7036 FRA 2.3056 FC3 -.3079 BSP 12437 SGB 3896.7 R23 -.1317 R13 -.9887 LSA 3566.5 MSA 186.3 SSA 5.0
 BOE 3.0704 BRA 2.5624 BC3 .3093 FSP -1088 SG1 3866.6 SG2 484.0 THA 31.10 EL1 2805.4 EL2 140.9 ALF 35.19

LAUNCH DATE APR 17 1967 FLIGHT TIME 158.00 ARRIVAL DATE SEP 22 1967

DISTANCE 402.048

HELIOCENTRIC CONIC
 RL 150.16 LAL -.00 LOL 206.31 VL 27.232 GAL 6.99 AZL 102.62 MCA 165.92 SMA 129.35 ECC .20078 INC12.6249 V1 29.673
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.670 GAP -7.00 AZP 77.74 TAL 149.69 TAP 315.61 RCA 103.38 APO 155.32 V2 34.908
 RC 52.722 GL -53.69 GP 55.78 ZAL 67.29 ZAP 58.72 ETS 296.30 ZAE 112.11 ETE 65.66 ZAC 81.30 ETC 12.13 CLP -22.59

PLANETOCENTRIC CONIC
 C3 53.756 VML 7.332 DLA -40.33 RAL 135.64 RAD 6568.9 VEL 13.233 PTH 2.42 VHP 8.443 DPA 55.31 RAP 207.43 ECC 1.8847
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.99 9 22 58 1768.26 17.89 30.33 23.28 126.77 9 52 26 1168.3 22.55 23.81
 120.01 16 6 49 5796.62 17.90 272.27 23.29 126.76 17 43 25 5196.6 22.56 265.75
 59.99 9 22 58 1768.26 17.89 30.33 23.28 126.77 9 52 26 1168.3 22.55 23.81
 120.01 16 6 49 5796.62 17.90 272.27 23.29 126.76 17 43 25 5196.6 22.56 265.75
 59.99 9 22 58 1768.26 17.89 30.33 23.28 126.77 9 52 26 1168.3 22.55 23.81
 120.01 16 6 49 5796.62 17.90 272.27 23.29 126.76 17 43 25 5196.6 22.56 265.75

DIFFERENTIAL CORRECTIONS
 TOE 3.1194 TRA-2.3694 TC3 -.0270 BAU .1639
 RDE 2.4311 RRA-1.1803 RC3 .2264 FAU .00820
 FDE-3.7808 FRA 1.9415 FC3 -.1321 BSP 13164
 BDE 3.9549 BRA 2.6471 BC3 .2280 FSP -948

MID-COURSE EXECUTION ACCURACY
 SGT 3441.4 SGR 2276.7 SG3 308.2
 RRT .9645 RRF -.9954 RTF -.9797
 SGB 4126.4 R23 -.1121 R13 -.9919
 SG1 4095.3 SG2 505.5 TMA 33.11

ORBIT DETERMINATION ACCURACY
 ST 2544.3 SR 1934.2 SS 2198.8
 CRT .9948 CRS .9999 CST .9959
 LSA 3875.0 MSA 184.5 SSA 4.1
 EL1 3192.2 EL2 156.7 ALF 37.20

LAUNCH DATE APR 17 1967 FLIGHT TIME 160.00 ARRIVAL DATE SEP 24 1967

DISTANCE 408.580

HELIOCENTRIC CONIC
 RL 150.16 LAL -.00 LOL 206.31 VL 27.276 GAL 6.85 AZL 105.75 MCA 169.04 SMA 129.65 ECC .19728 INC15.7518 V1 29.673
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.712 GAP -6.47 AZP 74.52 TAL 149.64 TAP 318.68 RCA 104.07 APO 155.22 V2 34.920
 RC 54.330 GL -58.26 GP 64.36 ZAL 71.30 ZAP 66.00 ETS 290.52 ZAE 103.55 ETE 60.10 ZAC 77.06 ETC 4.53 CLP -19.99

PLANETOCENTRIC CONIC
 C3 74.724 VML 8.644 DLA -43.47 RAL 130.59 RAD 6569.5 VEL 14.003 PTH 2.55 VHP 9.926 DPA 58.94 RAP 222.74 ECC 2.2298
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 55.52 8 43 49 1899.67 15.55 39.82 23.51 131.13 9 15 29 1299.7 20.71 33.80
 124.48 16 5 40 5823.83 15.57 272.67 23.52 131.12 17 42 43 5223.8 20.73 266.65
 55.52 8 43 49 1899.67 15.55 39.82 23.51 131.13 9 15 29 1299.7 20.71 33.80
 124.48 16 5 40 5823.83 15.57 272.67 23.52 131.12 17 42 43 5223.8 20.73 266.65
 55.52 8 43 49 1899.67 15.55 39.82 23.51 131.13 9 15 29 1299.7 20.71 33.80
 124.48 16 5 40 5823.83 15.57 272.67 23.52 131.12 17 42 43 5223.8 20.73 266.65

DIFFERENTIAL CORRECTIONS
 TOE 4.3507 TRA-2.5616 TC3 -.0776 BAU .1365
 RDE 3.437 RRA-1.0693 RC3 .1124 FAU .00056
 FDE-3.7098 FRA 1.5129 FC3 .0065 BSP 13903
 BDE 3.3677 BRA 2.7758 BC3 .1366 FSP -748

MID-COURSE EXECUTION ACCURACY
 SGT 3715.9 SGR 2309.5 SG3 243.7
 RRT .9634 RRF -.9934 RTF -.9851
 SGB 4375.1 R23 -.0916 R13 -.9947
 SG1 4342.9 SG2 529.4 TMA 31.43

ORBIT DETERMINATION ACCURACY
 ST 2967.9 SR 2104.2 SS 2138.5
 CRT .9951 CRS .9996 CST .9974
 LSA 4216.1 MSA 184.4 SSA 3.1
 EL1 3634.2 EL2 170.1 ALF 35.29

LAUNCH DATE APR 17 1967 FLIGHT TIME 162.00 ARRIVAL DATE SEP 26 1967

DISTANCE 415.026

HELIOCENTRIC CONIC
 RL 150.16 LAL -.00 LOL 206.31 VL 27.314 GAL 6.74 AZL 111.29 MCA 172.10 SMA 129.91 ECC .19426 INC21.2918 V1 29.673
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.751 GAP -5.97 AZP 68.89 TAL 149.56 TAP 321.65 RCA 104.68 APO 155.15 V2 34.932
 RC 56.016 GL -62.30 GP 73.21 ZAL 75.83 ZAP 73.37 ETS 272.20 ZAE 93.61 ETE 41.58 ZAC 71.88 ETC 343.14 CLP -7.82

PLANETOCENTRIC CONIC
 C3 123.753 VML 11.124 DLA -45.61 RAL 124.33 RAD 6570.3 VEL 15.655 PTH 2.78 VHP 12.951 DPA 59.73 RAP 243.11 ECC 3.0367
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.62 8 7 42 2037.94 11.02 48.12 23.33 134.55 8 41 40 1437.9 16.57 42.59
 127.38 15 51 51 615.49 11.03 297.72 23.34 134.54 16 2 7 15.5 16.58 292.19
 52.62 8 7 42 2037.94 11.02 48.12 23.33 134.55 8 41 40 1437.9 16.57 42.59
 127.38 15 51 51 615.49 11.03 297.72 23.34 134.54 16 2 7 15.5 16.58 292.19
 52.62 8 7 42 2037.94 11.02 48.12 23.33 134.55 8 41 40 1437.9 16.57 42.59
 127.38 15 51 51 615.49 11.03 297.72 23.34 134.54 16 2 7 15.5 16.58 292.19

DIFFERENTIAL CORRECTIONS
 TOE 7.2601 TRA-2.9947 TC3 -.1597 BAU .2674
 RDE 2.9016 RRA -.1850 RC3 .0246 FAU -.01066
 FDE-3.5368 FRA 1.1077 FC3 .0745 BSP 14665
 BDE 7.8185 BRA 3.0005 BC3 .1616 FSP -532

MID-COURSE EXECUTION ACCURACY
 SGT 4355.5 SGR 1501.7 SG3 173.0
 RRT .8973 RRF -.9391 RTF -.9938
 SGB 4607.1 R23 -.0637 R13 -.9975
 SG1 4563.4 SG2 632.5 TMA 17.54

ORBIT DETERMINATION ACCURACY
 ST 3797.4 SR 1495.0 SS 2056.7
 CRT .9891 CRS .9944 CST .9991
 LSA 4565.2 MSA 209.0 SSA 1.9
 EL1 4075.9 EL2 205.1 ALF 21.33

LAUNCH DATE APR 17 1967 FLIGHT TIME 164.00 ARRIVAL DATE SEP 28 1967

DISTANCE 421.261

HELIOCENTRIC CONIC
 RL 150.16 LAL -.00 LOL 206.31 VL 27.349 GAL 6.68 AZL 123.45 MCA 175.00 SMA 130.16 ECC .19194 INC33.4483 V1 29.673
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.788 GAP -5.53 AZP 56.65 TAL 149.37 TAP 324.36 RCA 105.17 APO 155.14 V2 34.945
 RC 57.772 GL -63.37 GP 77.24 ZAL 80.73 ZAP 80.21 ETS 214.11 ZAE 81.11 ETE 343.29 ZAC 64.17 ETC 280.08 CLP 39.63

PLANETOCENTRIC CONIC
 C3 280.508 VML 16.748 DLA -44.38 RAL 117.48 RAD 6571.6 VEL 20.045 PTH 3.14 VHP 20.073 DPA 54.44 RAP 265.22 ECC 5.6165
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.28 7 46 37 2153.39 4.57 52.36 22.77 134.19 8 22 31 1553.4 10.12 46.96
 125.72 15 18 14 763.58 4.59 304.97 22.79 134.19 15 30 58 163.6 10.13 299.57
 54.28 7 46 37 2153.39 4.57 52.36 22.77 134.19 8 22 31 1553.4 10.12 46.96
 125.72 15 18 14 763.58 4.59 304.97 22.79 134.19 15 30 58 163.6 10.13 299.57
 54.28 7 46 37 2153.39 4.57 52.36 22.77 134.19 8 22 31 1553.4 10.12 46.96
 125.72 15 18 14 763.58 4.59 304.97 22.79 134.19 15 30 58 163.6 10.13 299.57

DIFFERENTIAL CORRECTIONS
 TOE11.1173 TRA-1.8043 TC3 -.2032 BAU 1.0562
 RDE-5.8748 RRA 3.1561 RC3 .1950 FAU -.02625
 FDE-3.5177 FRA .8893 FC3 .0810 BSP 15121
 BDE12.5741 BRA 3.6355 BC3 .2816 FSP -350

MID-COURSE EXECUTION ACCURACY
 SGT 3959.0 SGR 2597.6 SG3 112.8
 RRT -.9133 RRF .9554 RTF -.9928
 SGB 4735.1 R23 .0020 R13 .9999
 SG1 4648.6 SG2 900.8 TMA 147.71

ORBIT DETERMINATION ACCURACY
 ST 3812.1 SR 2060.3 SS 2098.8
 CRT -.9882 CRS -.9933 CST .9993
 LSA 4806.7 MSA 278.3 SSA .7
 EL1 4324.3 EL2 278.3 ALF 151.77

LAUNCH DATE APR 17 1967

FLIGHT TIME 166.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 426.612

RL 150.16 LAL -.00 LOL 206.31 VL 27.380 GAL 6.79 AZL 159.54 MCA 177.18 SMA 130.37 ECC .19151 INC69.5411 V1 29.673
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.822 GAP -5.30 AZP 20.48 TAL 148.69 TAP 325.87 RCA 105.41 APO 155.34 V2 34.957
 RC 59.590 GL -51.38 GP 59.19 ZAL 85.16 ZAP 85.37 ETS 182.33 ZAE 60.59 ETE 315.38 ZAC 47.53 ETC 236.69 CLP 80.94

PLANETOCENTRIC CONIC

C31063.140 VHL 32.606 DLA -30.74 RAL 114.01 RAD 6573.0 VEL 34.415 PTH 3.51 VMP 40.479 DPA 34.91 RAP 283.54 ECC18.4966
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.52 9 38 44 1884.90 -.32 27.13 24.52 120.73 10 10 8 1284.9 3.76 20.66
 102.48 12 58 28 1242.33 -.30 339.75 24.53 120.73 13 19 10 642.3 3.78 333.29
 77.52 9 38 44 1884.90 -.32 27.13 24.52 120.73 10 10 8 1284.9 3.76 20.66
 102.48 12 58 28 1242.33 -.30 339.75 24.53 120.73 13 19 10 642.3 3.78 333.29
 110.00 11 52 54 1448.13 -13.81 347.13 16.33 121.58 12 17 2 848.1 -9.53 340.84
 110.00 15 43 28 727.09 13.18 308.75 32.74 121.83 15 55 35 127.1 17.29 302.05

DIFFERENTIAL CORRECTIONS

TDE 9.1196 TRA .5707 TC3 -.1321 BAU 4.7005
 RDE -17.6879 RRA 6.3858 RC3 .3032 FAU-.08454
 FDE -4.2296 FRA 1.3583 FC3 .0688 BSP 12916
 BDE 19.9005 BRA 6.4112 BC3 .3307 FSP -237

MID-COURSE EXECUTION ACCURACY

SGT 1823.0 SGR 3908.3 SG3 78.8
 RRT -.9167 RRF .9993 RTF -.9298
 SGB 4312.5 R23 -.0345 R13 .9993
 SG1 4260.4 SG2 668.2 THA 113.77

ORBIT DETERMINATION ACCURACY

ST 1603.1 SR 3133.3 SS 2616.1
 CRT -.9892 CRS -.9999 CST .9911
 LSA 4380.2 MSA 212.5 SSA 1.5
 EL1 3513.3 EL2 209.7 ALF 116.95

LAUNCH DATE APR 17 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 436.749

RL 150.16 LAL -.00 LOL 206.31 VL 27.408 GAL 6.07 AZL 41.22 MCA 183.35 SMA 130.57 ECC .18291 INC48.7797 V1 29.673
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.854 GAP -3.93 AZP 138.73 TAL 150.75 TAP 334.10 RCA 106.68 APO 154.45 V2 34.970
 RC 81.484 GL 59.75 GP -68.69 ZAL 84.16 ZAP 85.71 ETS 160.22 ZAE 82.14 ETE 37.88 ZAC 84.28 ETC 101.93 CLP 78.11

PLANETOCENTRIC CONIC

C3 563.208 VHL 23.732 DLA 71.90 RAL 176.16 RAD 6572.5 VEL 26.163 PTH 3.37 VMP 31.507 DPA -85.23 RAP 53.24 ECC10.2690
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 20.66 22 6 3 5053.29 -1.80 247.61 85.59 18.10 23 30 17 4453.3 -9.40 245.52
 159.34 8 47 1 3288.85 -1.79 95.27 85.57 18.10 9 41 49 2688.8 -9.39 93.18
 20.66 22 6 3 5053.29 -1.80 247.61 85.59 18.10 23 30 17 4453.3 -9.40 245.52
 159.34 8 47 1 3288.85 -1.79 95.27 85.57 18.10 9 41 49 2688.8 -9.39 93.18
 20.66 22 6 3 5053.29 -1.80 247.61 85.59 18.10 23 30 17 4453.3 -9.40 245.52
 159.34 8 47 1 3288.85 -1.79 95.27 85.57 18.10 9 41 49 2688.8 -9.39 93.18

DIFFERENTIAL CORRECTIONS

TDE -2.7194 TRA -3.2565 TC3 -.2016 BAU 2.5673
 RDE .5537 RRA -4.7288 RC3 -.2750 FAU-.04527
 FDE .1544 FRA 1.2141 FC3 .0696 BSP 14607
 BDE 2.7752 BRA 5.7416 BC3 .3410 FSP -270

MID-COURSE EXECUTION ACCURACY

SGT 2784.5 SGR 3902.8 SG3 86.4
 RRT .9630 RRF -.9974 RTF -.9796
 SGB 4794.3 R23 -.0201 R13 -.9998
 SG1 4754.5 SG2 616.3 THA 54.83

ORBIT DETERMINATION ACCURACY

ST 1004.2 SR 1111.5 SS 777.8
 CRT .6726 CRS .9686 CST .8355
 LSA 1575.1 MSA 606.6 SSA .8
 EL1 1371.6 EL2 602.2 ALF 49.30

LAUNCH DATE APR 17 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 442.514

RL 150.16 LAL -.00 LOL 206.31 VL 27.431 GAL 6.13 AZL 66.12 MCA 185.91 SMA 130.73 ECC .18227 INC23.8797 V1 29.673
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.883 GAP -3.61 AZP 113.77 TAL 150.28 TAP 336.19 RCA 106.91 APO 154.56 V2 34.983
 RC 63.388 GL 64.26 GP -81.83 ZAL 78.50 ZAP 82.67 ETS 97.06 ZAE 97.72 ETE 338.71 ZAC 96.96 ETC 43.80 CLP 26.09

PLANETOCENTRIC CONIC

C3 150.251 VHL 12.258 DLA 68.25 RAL 199.25 RAD 6570.6 VEL 16.480 PTH 2.87 VMP 16.851 DPA -71.16 RAP 114.26 ECC 3.4728
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 24.89 23 47 12 4878.17 -12.10 241.76 104.36 22.27 25 8 30 4278.2 -19.48 238.97
 155.11 10 10 3 3136.48 -12.09 93.86 104.34 22.26 11 2 19 2536.5 -19.47 91.07
 24.89 23 47 12 4878.17 -12.10 241.76 104.36 22.27 25 8 30 4278.2 -19.48 238.97
 155.11 10 10 3 3136.48 -12.09 93.86 104.34 22.26 11 2 19 2536.5 -19.47 91.07
 24.89 23 47 12 4878.17 -12.10 241.76 104.36 22.27 25 8 30 4278.2 -19.48 238.97
 155.11 10 10 3 3136.48 -12.09 93.86 104.34 22.26 11 2 19 2536.5 -19.47 91.07

DIFFERENTIAL CORRECTIONS

TDE 3.6723 TRA -3.7745 TC3 -.2092 BAU .4219
 RDE .7372 RRA .5632 RC3 -.0184 FAU-.00848
 FDE -1.0573 FRA 1.1319 FC3 .0488 BSP 16404
 BDE 3.7455 BRA 3.8163 BC3 .2101 FSP -426

MID-COURSE EXECUTION ACCURACY

SGT 5088.0 SGR 791.0 SG3 131.0
 RRT -.6880 RRF .6997 RTF -.9997
 SGB 5149.1 R23 -.0043 R13 .9998
 SG1 5117.4 SG2 570.7 THA 173.82

ORBIT DETERMINATION ACCURACY

ST 2233.3 SR 405.2 SS 952.3
 CRT .3172 CRS .2981 CST .9998
 LSA 2431.2 MSA 384.5 SSA 1.2
 EL1 2237.1 EL2 383.6 ALF 3.39

LAUNCH DATE APR 17 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 448.767

RL 150.16 LAL -.00 LOL 206.31 VL 27.452 GAL 6.11 AZL 75.29 MCA 188.89 SMA 130.88 ECC .18107 INC14.7139 V1 29.673
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.910 GAP -3.18 AZP 104.54 TAL 150.10 TAP 338.99 RCA 107.18 APO 154.58 V2 34.996
 RC 65.357 GL 59.54 GP -78.76 ZAL 72.35 ZAP 80.53 ETS 53.32 ZAE 106.64 ETE 298.06 ZAC 102.59 ETC 5.94 CLP -32.44

PLANETOCENTRIC CONIC

C3 64.695 VHL 8.043 DLA 61.92 RAL 196.29 RAD 6569.2 VEL 13.640 PTH 2.49 VMP 11.339 DPA -62.37 RAP 122.75 ECC 2.0647
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 32.33 23 52 31 4671.83 -22.13 230.70 93.77 30.54 25 10 23 4071.8 -28.95 226.48
 147.67 9 41 5 2983.44 -22.12 91.18 93.75 30.54 10 30 49 2383.4 -28.94 86.96
 32.33 23 52 31 4671.83 -22.13 230.70 93.77 30.54 25 10 23 4071.8 -28.95 226.48
 147.67 9 41 5 2983.44 -22.12 91.18 93.75 30.54 10 30 49 2383.4 -28.94 86.96
 32.33 23 52 31 4671.83 -22.13 230.70 93.77 30.54 25 10 23 4071.8 -28.95 226.48
 147.67 9 41 5 2983.44 -22.12 91.18 93.75 30.54 10 30 49 2383.4 -28.94 86.96

DIFFERENTIAL CORRECTIONS

TDE 2.0660 TRA -1.9442 TC3 -.0445 BAU .1345
 RDE -1.1292 RRA 2.6204 RC3 -.1490 FAU .00662
 FDE -1.0164 FRA 1.5069 FC3 -.0886 BSP 16520
 BDE 2.3544 BRA 3.2629 BC3 .1555 FSP -669

MID-COURSE EXECUTION ACCURACY

SGT 3290.2 SGR 4053.0 SG3 207.1
 RRT -.9622 RRF .9943 RTF -.9845
 SGB 5220.3 R23 -.0064 R13 .9995
 SG1 5172.9 SG2 701.9 THA 128.84

ORBIT DETERMINATION ACCURACY

ST 1716.0 SR 1436.0 SS 975.9
 CRT -.9064 CRS -.9761 CST .9766
 LSA 2394.0 MSA 477.4 SSA 2.1
 EL1 2186.3 EL2 476.1 ALF 140.59

LAUNCH DATE APR 17 1967 FLIGHT TIME 174.00 ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC
 RL 150.16 LAL -.00 LOL 206.31 VL 27.470 GAL 6.08 AZL 79.82 MCA 191.99 SMA 131.01 ECC .17992 INC10.1827 V1 29.673
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.935 GAP -2.72 AZP 99.97 TAL 149.99 TAP 341.98 RCA 107.44 APO 154.58 V2 35.009
 RC 67.365 GL 52.58 GP -73.13 ZAL 66.46 ZAP 79.59 ETS 37.24 ZAE 113.05 ETE 284.70 ZAC 106.17 ETC 355.71 CLP -51.51

PLANETOCENTRIC CONIC
 C3 36.969 VML 6.080 OLA 55.24 RAL 190.28 RAD 6568.4 VEL 12.583 PTH 2.28 VMP 8.658 DPA -55.95 RAP 126.99 ECC 1.6084
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 40.36 23 49 30 4492.35 -27.92 217.15 78.71 40.18 25 4 22 3892.3 -33.90 211.36
 139.64 8 56 11 2884.59 -27.91 87.79 78.70 40.18 9 44 15 2284.6 -33.88 82.00
 40.36 23 49 30 4492.35 -27.92 217.15 78.71 40.18 25 4 22 3892.3 -33.90 211.36
 139.64 8 56 11 2884.59 -27.91 87.79 78.70 40.18 9 44 15 2284.6 -33.88 82.00
 40.36 23 49 30 4492.35 -27.92 217.15 78.71 40.18 25 4 22 3892.3 -33.90 211.36
 139.64 8 56 11 2884.59 -27.91 87.79 78.70 40.18 9 44 15 2284.6 -33.88 82.00

DIFFERENTIAL CORRECTIONS
 TOE 1.1179 TRA-1.1311 TC3 -.0076 BAU .2627
 RDE -.9522 RRA 2.7877 RC3 -.5315 FAU .01907
 FDE -.9373 FRA 2.0547 FC3 -.4466 BSP 16444
 BDE 1.4684 BRA 3.0084 BC3 .5316 FSP -988

MID-COURSE EXECUTION ACCURACY
 SGT 2146.0 SGR 4738.6 SG3 306.8
 RRT -.9395 RRF .9980 RTF -.9547
 SGB 5201.9 R23 -.0069 R13 .9992
 SGI 5157.9 SG2 675.2 TMA 113.48

ORBIT DETERMINATION ACCURACY
 ST 1193.4 SR 1648.1 SS 1008.7
 CRT -.8747 CRS -.9904 CST .9332
 LSA 2219.2 MSA 482.8 SSA 3.1
 EL1 1976.9 EL2 482.1 ALF 124.71

LAUNCH DATE APR 17 1967 FLIGHT TIME 176.00 ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC
 RL 150.16 LAL -.00 LOL 206.31 VL 27.485 GAL 6.06 AZL 82.50 MCA 195.13 SMA 131.11 ECC .17898 INC 7.4995 V1 29.673
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.958 GAP -2.26 AZP 97.24 TAL 149.89 TAP 345.02 RCA 107.65 APO 154.58 V2 35.023
 RC 69.409 GL 45.29 GP -68.14 ZAL 61.18 ZAP 79.80 ETS 27.58 ZAE 118.10 ETE 277.19 ZAC 109.02 ETC 351.65 CLP -61.61

PLANETOCENTRIC CONIC
 C3 25.197 VML 5.020 OLA 48.56 RAL 184.97 RAD 6568.0 VEL 12.107 PTH 2.17 VMP 7.110 DPA -50.66 RAP 129.33 ECC 1.4147
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 48.74 23 54 1 4337.77 -29.65 202.77 64.82 49.59 25 6 19 3737.8 -34.63 195.79
 131.26 8 9 18 2847.09 -29.64 85.81 64.81 49.59 8 56 45 2247.1 -34.62 78.83
 48.74 23 54 1 4337.77 -29.65 202.77 64.82 49.59 25 6 19 3737.8 -34.63 195.79
 131.26 8 9 18 2847.09 -29.64 85.81 64.81 49.59 8 56 45 2247.1 -34.62 78.83
 48.74 23 54 1 4337.77 -29.65 202.77 64.82 49.59 25 6 19 3737.8 -34.63 195.79
 131.26 8 9 18 2847.09 -29.64 85.81 64.81 49.59 8 56 45 2247.1 -34.62 78.83

DIFFERENTIAL CORRECTIONS
 TOE .6971 TRA -.6784 TC3 -.0690 BAU .3265
 RDE -.7481 RRA 2.7646 RC3 -.9667 FAU .03122
 FDE -.9403 FRA 2.6942 FC3 -1.0727 BSP 16286
 BDE 1.0225 BRA 2.8466 BC3 .9691 FSP -1364

MID-COURSE EXECUTION ACCURACY
 SGT 1416.7 SGR 4940.4 SG3 422.4
 RRT -.8846 RRF .9985 RTF -.8975
 SGB 5139.6 R23 -.0019 R13 .9990
 SGI 5099.6 SG2 640.0 TMA 104.47

ORBIT DETERMINATION ACCURACY
 ST 869.7 SR 1666.2 SS 1081.0
 CRT -.8154 CRS -.9931 CST .8778
 LSA 2118.8 MSA 460.4 SSA 4.1
 EL1 1822.3 EL2 460.4 ALF 114.74

LAUNCH DATE APR 17 1967 FLIGHT TIME 178.00 ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC
 RL 150.16 LAL -.00 LOL 206.31 VL 27.497 GAL 6.05 AZL 84.28 MCA 198.29 SMA 131.20 ECC .17827 INC 5.7231 V1 29.673
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.979 GAP -1.80 AZP 95.44 TAL 149.78 TAP 348.07 RCA 107.81 APO 154.59 V2 35.036
 RC 71.485 GL 38.32 GP -63.82 ZAL 56.66 ZAP 81.04 ETS 20.05 ZAE 122.23 ETE 271.09 ZAC 111.63 ETC 349.38 CLP -69.32

PLANETOCENTRIC CONIC
 C3 19.336 VML 4.397 OLA 42.20 RAL 180.75 RAD 6567.8 VEL 11.862 PTH 2.10 VMP 6.119 DPA -46.03 RAP 130.54 ECC 1.3182
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.30 0 13 17 4190.31 -28.71 188.33 53.61 57.63 1 23 7 3590.3 -32.75 180.71
 122.70 7 20 18 2866.47 -28.69 86.81 53.60 57.62 8 8 4 2266.5 -32.74 79.19
 57.30 0 13 17 4190.31 -28.71 188.33 53.61 57.63 1 23 7 3590.3 -32.75 180.71
 122.70 7 20 18 2866.47 -28.69 86.81 53.60 57.62 8 8 4 2266.5 -32.74 79.19
 57.30 0 13 17 4190.31 -28.71 188.33 53.61 57.63 1 23 7 3590.3 -32.75 180.71
 122.70 7 20 18 2866.47 -28.69 86.81 53.60 57.62 8 8 4 2266.5 -32.74 79.19

DIFFERENTIAL CORRECTIONS
 TOE .4678 TRA -.3277 TC3 -.2253 BAU .3574
 RDE -.6451 RRA 2.7096 RC3 -1.3639 FAU .04295
 FDE -1.0331 FRA 3.3844 FC3 -1.9229 BSP 15951
 BDE .7969 BRA 2.7294 BC3 1.3824 FSP -1760

MID-COURSE EXECUTION ACCURACY
 SGT 862.0 SGR 4985.6 SG3 547.1
 RRT -.7031 RRF .9986 RTF -.7174
 SGB 5059.6 R23 .0067 R13 .9988
 SGI 5022.9 SG2 608.4 TMA 97.03

ORBIT DETERMINATION ACCURACY
 ST 633.6 SR 1658.9 SS 1182.6
 CRT -.7225 CRS -.9935 CST .7966
 LSA 2091.1 MSA 423.3 SSA 5.1
 EL1 1725.1 EL2 421.3 ALF 106.43

LAUNCH DATE APR 17 1967 FLIGHT TIME 180.00 ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC
 RL 150.16 LAL -.00 LOL 206.31 VL 27.507 GAL 6.06 AZL 85.54 MCA 201.47 SMA 131.27 ECC .17781 INC 4.4557 V1 29.673
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.998 GAP -1.34 AZP 94.15 TAL 149.66 TAP 351.13 RCA 107.93 APO 154.61 V2 35.049
 RC 73.590 GL 31.96 GP -59.96 ZAL 52.96 ZAP 83.15 ETS 13.58 ZAE 125.63 ETE 265.17 ZAC 114.18 ETC 347.81 CLP -76.21

PLANETOCENTRIC CONIC
 C3 16.120 VML 4.015 OLA 36.33 RAL 177.45 RAD 6567.6 VEL 11.726 PTH 2.07 VMP 5.443 DPA -41.81 RAP 130.98 ECC 1.2653
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.22 0 42 35 4026.64 -26.36 173.17 45.11 64.03 1 49 42 3426.6 -29.62 165.32
 113.78 6 24 38 2945.65 -26.34 91.94 45.11 64.02 7 13 44 2345.6 -29.61 84.08
 66.22 0 42 35 4026.64 -26.36 173.17 45.11 64.03 1 49 42 3426.6 -29.62 165.32
 113.78 6 24 38 2945.65 -26.34 91.94 45.11 64.02 7 13 44 2345.6 -29.61 84.08
 66.22 0 42 35 4026.64 -26.36 173.17 45.11 64.03 1 49 42 3426.6 -29.62 165.32
 113.78 6 24 38 2945.65 -26.34 91.94 45.11 64.02 7 13 44 2345.6 -29.61 84.08

DIFFERENTIAL CORRECTIONS
 TOE .3126 TRA -.0077 TC3 -.4593 BAU .3763
 RDE -.6099 RRA 2.6336 RC3 -1.6845 FAU .05431
 FDE -1.2109 FRA 4.0811 FC3 -2.9166 BSP 15642
 BDE .6853 BRA 2.6336 BC3 1.7460 FSP -2172

MID-COURSE EXECUTION ACCURACY
 SGT 579.0 SGR 4934.9 SG3 673.3
 RRT .0164 RRF .9985 RTF -.0013
 SGB 4968.7 R23 .0179 R13 .9985
 SGI 4934.9 SG2 578.9 TMA 89.89

ORBIT DETERMINATION ACCURACY
 ST 446.2 SR 1648.6 SS 1304.6
 CRT -.5349 CRS -.9932 CST .6293
 LSA 2115.0 MSA 382.2 SSA 6.1
 EL1 1666.8 EL2 372.9 ALF 98.68

LAUNCH DATE APR 17 1967

FLIGHT TIME 182.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

RL 150.16 LAL -0.00 LOL 206.31 VL 27.514 GAL 6.07 AZL 86.50 HCA 204.66 SMA 131.32 ECC .17760 INC 3.5018 V1 29.673
 RP 108.08 LAP -1.46 LOP 50.93 VP 38.016 GAP -1.88 AZP 93.18 TAL 149.52 TAP 354.18 RCA 108.00 APO 154.64 V2 35.062
 RC 75.721 GL 26.27 GP -56.42 ZAL 50.01 ZAP 85.99 ETS 7.84 ZAE 128.41 ETE 259.07 ZAC 116.75 ETC 346.60 CLP -82.75

PLANETOCENTRIC CONIC

C3 14.254 VHL 3.775 DLA 31.05 RAL 174.85 RAD 6567.6 VEL 11.646 PTH 2.04 VMP 4.965 DPA -37.87 RAP 130.90 ECC 1.2346
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.70 1 37 41 3797.91 -23.42 154.06 38.86 69.01 2 40 59 3197.9 -26.06 146.17
 103.30 5 8 51 3119.19 -23.41 103.96 38.85 69.00 6 0 51 2519.2 -26.05 96.06
 76.70 1 37 41 3797.91 -23.42 154.06 38.86 69.01 2 40 59 3197.9 -26.06 146.17
 103.30 5 8 51 3119.19 -23.41 103.96 38.85 69.00 6 0 51 2519.2 -26.05 96.06
 110.00 7 42 50 2639.40 -32.64 70.33 41.83 79.24 8 26 50 2039.4 -33.78 61.28
 110.00 4 2 52 3325.70 -14.80 115.18 34.40 58.83 4 58 18 2725.7 -18.82 108.37

DIFFERENTIAL CORRECTIONS

TDE .1826 TRA .3004 TC3 -.7546 BAU .3907
 RDE -.6075 RRA 2.5389 RC3-1.9063 FAU .06493
 FDE-1.4558 FRA 4.7497 FC3-3.9439 BSP 15377
 BDE .6344 BRA 2.5566 BC3 2.0502 FSP -2580

MID-COURSE EXECUTION ACCURACY

SGT 827.5 SGR 4811.3 SG3 794.4
 RRT .7430 RRF .9983 RTF .7311
 SGB 4881.9 R23 .0308 R13 .9980
 SG1 4850.9 SG2 549.2 THA 82.62

ORBIT DETERMINATION ACCURACY

ST 320.2 SR 1634.7 SS 1439.5
 CRT -.0751 CRS -.9929 CST .1932
 LSA 2174.8 MSA 342.7 SSA 7.1
 EL1 1634.9 EL2 319.3 ALF 90.88

LAUNCH DATE APR 17 1967

FLIGHT TIME 184.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

RL 150.16 LAL -0.00 LOL 206.31 VL 27.519 GAL 6.10 AZL 87.25 HCA 207.86 SMA 131.36 ECC .17764 INC 2.7538 V1 29.673
 RP 108.04 LAP -1.29 LOP 54.14 VP 38.031 GAP -1.42 AZP 92.44 TAL 149.36 TAP 357.22 RCA 108.02 APO 154.69 V2 35.075
 RC 77.878 GL 21.26 GP 53.08 ZAL 47.70 ZAP 89.42 ETS 2.69 ZAE 130.61 ETE 252.70 ZAC 119.37 ETC 345.68 CLP -89.05

PLANETOCENTRIC CONIC

C3 13.151 VHL 3.626 DLA 26.35 RAL 172.80 RAD 6567.5 VEL 11.599 PTH 2.03 VMP 4.622 DPA -34.10 RAP 130.48 ECC 1.2164
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 47 35 3137.46 -26.86 106.33 35.97 80.67 5 39 52 2537.5 -27.87 97.81
 90.00 1 42 35 3744.43 -14.11 146.00 31.80 65.19 2 45 0 3144.4 -17.34 138.81
 100.00 6 38 6 2781.17 -29.25 80.48 36.34 83.54 7 24 27 2181.2 -29.84 71.73
 100.00 2 34 45 3575.95 -11.95 132.53 30.71 62.39 3 34 21 2976.0 -15.55 125.59
 110.00 8 36 54 2409.46 -34.18 52.60 36.69 89.60 9 17 3 1809.5 -33.86 43.37
 110.00 2 52 27 3520.43 -7.69 125.78 28.16 56.59 3 51 7 2920.4 -12.03 119.38

DIFFERENTIAL CORRECTIONS

TDE .0579 TRA .6025 TC3-1.0862 BAU .4030
 RDE -.6146 RRA 2.4279 RC3-2.0183 FAU .07417
 FDE-1.7409 FRA 5.3617 FC3-4.8829 BSP 15123
 BDE .6173 BRA 2.5015 BC3 2.2920 FSP -2955

MID-COURSE EXECUTION ACCURACY

SGT 1325.7 SGR 4627.2 SG3 904.0
 RRT .9149 RRF .9981 RTF .9070
 SGB 4813.4 R23 .0438 R13 .9973
 SG1 4785.4 SG2 517.6 THA 75.13

ORBIT DETERMINATION ACCURACY

ST 332.4 SR 1610.6 SS 1578.4
 CRT .6006 CRS -.9925 CST -.4985
 LSA 2258.4 MSA 308.8 SSA 7.9
 EL1 1623.3 EL2 263.7 ALF 82.74

LAUNCH DATE APR 17 1967

FLIGHT TIME 186.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

RL 150.16 LAL -0.00 LOL 206.31 VL 27.522 GAL 6.14 AZL 87.85 HCA 211.06 SMA 131.38 ECC .17793 INC 2.1485 V1 29.673
 RP 108.00 LAP -1.11 LOP 57.35 VP 38.046 GAP .03 AZP 91.84 TAL 149.17 TAP .23 RCA 108.00 APO 154.75 V2 35.088
 RC 80.046 GL 16.86 GP -49.88 ZAL 45.91 ZAP 93.29 ETS 358.12 ZAE 132.24 ETE 246.12 ZAC 121.99 ETC 345.07 CLP -95.11

PLANETOCENTRIC CONIC

C3 12.516 VHL 3.538 DLA 22.19 RAL 171.17 RAD 6567.5 VEL 11.572 PTH 2.02 VMP 4.379 DPA -30.48 RAP 129.85 ECC 1.2060
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 51 18 2883.52 -28.32 87.93 32.49 89.75 6 39 22 2283.5 -28.05 79.27
 90.00 0 25 51 3977.11 -7.09 159.49 27.02 62.51 1 32 8 3377.1 -10.72 152.68
 100.00 7 28 37 2569.77 -29.85 64.82 32.46 91.75 8 11 27 1969.8 -29.28 56.06
 100.00 1 31 13 3766.10 -5.75 143.24 26.29 60.62 2 34 0 3166.1 -9.62 136.60
 110.00 9 9 56 2252.81 -33.59 40.42 32.13 96.78 9 47 28 1652.8 -32.28 31.43
 110.00 2 6 24 3655.82 -2.56 132.91 24.31 55.90 3 7 20 3055.8 -7.02 126.66

DIFFERENTIAL CORRECTIONS

TDE -.0702 TRA .8973 TC3-1.4298 BAU .4158
 RDE -.6200 RRA 2.5007 RC3-2.0327 FAU .08166
 FDE-2.0435 FRA 5.8850 FC3-5.6488 BSP 14925
 BDE .6240 BRA 2.4695 BC3 2.4852 FSP -3277

MID-COURSE EXECUTION ACCURACY

SGT 1870.7 SGR 4389.9 SG3 996.0
 RRT .9602 RRF .9978 RTF .9541
 SGB 4771.8 R23 .0562 R13 .9963
 SG1 4747.3 SG2 483.4 THA 67.50

ORBIT DETERMINATION ACCURACY

ST 485.3 SR 1570.9 SS 1713.1
 CRT -.8971 CRS -.9921 CST -.8345
 LSA 2357.8 MSA 280.5 SSA 8.8
 EL1 1631.1 EL2 206.5 ALF 74.25

LAUNCH DATE APR 17 1967

FLIGHT TIME 188.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

RL 150.16 LAL -0.00 LOL 206.31 VL 27.523 GAL 6.20 AZL 88.35 HCA 214.26 SMA 131.39 ECC .17847 INC 1.6458 V1 29.673
 RP 107.96 LAP -.93 LOP 60.56 VP 38.058 GAP .49 AZP 91.36 TAL 148.96 TAP 3.22 RCA 107.94 APO 154.83 V2 35.101
 RC 82.236 GL 13.01 GP -46.77 ZAL 44.52 ZAP 97.48 ETS 354.09 ZAE 133.32 ETE 239.48 ZAC 124.58 ETC 344.81 CLP-100.95

PLANETOCENTRIC CONIC

C3 12.189 VHL 3.491 DLA 18.52 RAL 169.87 RAD 6567.5 VEL 11.558 PTH 2.02 VMP 4.212 DPA -26.97 RAP 129.12 ECC 1.2006
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 29 4 2720.24 -27.79 76.02 29.36 95.69 7 14 24 2120.2 -26.71 67.52
 90.00 23 33 48 4129.17 -2.25 168.03 24.14 61.76 24 42 37 3529.2 -6.00 161.37
 100.00 8 1 34 2421.95 -29.04 53.92 29.20 97.42 8 41 56 1822.0 -27.71 45.37
 100.00 0 47 55 3902.69 -1.14 150.77 23.53 60.13 1 52 58 3302.7 -5.11 144.23
 110.00 9 34 6 2132.42 -32.24 31.29 28.56 102.02 10 9 38 1532.4 -30.25 22.64
 110.00 1 31 52 3764.98 1.61 138.80 21.80 55.85 2 34 37 3165.0 -2.88 132.40

DIFFERENTIAL CORRECTIONS

TDE -.2044 TRA 1.1833 LC3-1.7632 BAU .4316
 RDE -.6211 RRA-2.1629 RC3-1.9764 FAU .08747
 FDE-2.3507 FRA 6.3032 FC3-6.2126 BSP 14902
 BDE .6538 BRA 2.4654 BC3 2.6486 FSP -3549

MID-COURSE EXECUTION ACCURACY

SGT 2413.1 SGR 4117.8 SG3 1067.7
 RRT .9770 RRF .9974 RTF .9718
 SGB 4772.8 R23 .0668 R13 .9953
 SG1 4751.9 SG2 446.2 THA 59.92

ORBIT DETERMINATION ACCURACY

ST 701.0 SR 1517.2 SS 1841.8
 CRT .9717 CRS -.9915 CST -.9330
 LSA 2473.5 MSA 258.9 SSA 9.4
 EL1 1664.5 EL2 150.9 ALF 65.61

LAUNCH DATE APR 17 1967 FLIGHT TIME 190.00 ARRIVAL DATE OCT 24 1967

DISTANCE 506.156

HELIOCENTRIC CONIC
 RL 150.16 LAL -.00 LOL 206.31 VL 27.522 GAL 6.27 AZL 88.78 HCA 217.48 SMA 131.38 ECC .17925 INC 1.2192 V1 29.673
 RP 107.92 LAP -.74 LOP 63.78 VP 38.069 GAP .94 AZP 90.97 TAL 148.72 TAP 6.19 RCA 107.83 APO 154.93 V2 35.113
 RC 84.440 GL 9.64 GP -43.75 ZAL 43.44 ZAP 101.86 ETS 350.59 ZAE 133.87 ETE 232.98 ZAC 127.06 ETC 344.93 CLP-106.52

PLANETOCENTRIC CONIC
 C3 12.081 VHL 3.476 OLA 15.28 RAL 168.84 RAD 6567.5 VEL 11.553 PTH 2.02 VMP 4.108 DPA -23.59 RAP 128.38 ECC 1.1988
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 56 48 2596.47 -26.63 67.15 26.93 99.99 7 40 5 1996.5 -24.98 58.87
 90.00 22 57 51 4249.15 1.63 174.72 22.32 61.73 24 8 40 5649.2 -2.17 168.09
 100.00 8 26 29 2307.26 -27.75 45.64 26.69 101.59 9 4 56 1707.3 -25.87 37.35
 100.00 0 14 47 4013.59 2.62 156.85 21.77 60.21 1 21 41 3413.6 -1.37 150.33
 110.00 9 53 18 2035.63 -30.65 24.20 25.88 105.94 10 27 13 1435.6 -28.16 15.89
 110.00 1 4 27 3857.99 5.16 143.47 20.19 56.16 2 8 45 3258.0 .68 137.25

MID-COURSE EXECUTION ACCURACY
 SGT 2933.1 SGR 3817.8 SG3 1115.1
 RRT .9845 RRF .9969 RTF .9799
 SGB 4814.4 R23 .0739 R13 .9942
 SG1 4797.0 SG2 409.4 TMA 52.58

ORBIT DETERMINATION ACCURACY
 ST 939.9 SR 1442.8 SS 1951.0
 CRT .9925 CRS -.9907 CST -.9668
 LSA 2590.9 MSA 242.1 SSA 10.1
 EL1 1719.2 EL2 96.5 ALF 57.00

DIFFERENTIAL CORRECTIONS
 TOE -.3442 TRA 1.4593 TC3-2.0662 BAU .4481
 RDE -.6091 RRA 2.0196 RC3-1.8516 FAU .09064
 FDE-2.6251 FRA 6.6064 FC3-6.4952 BSP 14930
 BDE .6996 BRA 2.4916 BC3 2.7744 FSP -3724

LAUNCH DATE APR 17 1967 FLIGHT TIME 192.00 ARRIVAL DATE OCT 26 1967

DISTANCE 512.463

HELIOCENTRIC CONIC
 RL 150.16 LAL -.00 LOL 206.31 VL 27.520 GAL 6.36 AZL 89.15 HCA 220.69 SMA 131.36 ECC .18029 INC .8504 V1 29.673
 RP 107.89 LAP -.55 LOP 66.99 VP 38.078 GAP 1.39 AZP 90.65 TAL 148.45 TAP 9.14 RCA 107.68 APO 155.04 V2 35.125
 RC 86.655 GL 6.69 GP -40.82 ZAL 42.58 ZAP 106.31 ETS 347.58 ZAE 133.94 ETE 226.80 ZAC 129.36 ETC 345.46 CLP-111.79

PLANETOCENTRIC CONIC
 C3 12.136 VHL 3.484 OLA 12.40 RAL 168.04 RAD 6567.5 VEL 11.555 PTH 2.02 VMP 4.056 DPA -20.36 RAP 127.70 ECC 1.1997
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 18 59 2497.32 -25.27 60.21 25.13 103.21 8 0 36 1897.3 -23.20 52.15
 90.00 22 29 14 4350.25 4.87 180.38 21.23 62.07 23 41 44 3750.2 1.10 173.73
 100.00 8 46 42 2214.45 -26.30 39.12 24.85 104.74 9 23 36 1614.4 -24.02 31.07
 100.00 23 44 12 4108.34 5.80 162.08 20.72 60.62 24 52 41 3508.3 1.85 155.53
 110.00 10 9 18 1955.97 -29.02 18.57 23.92 108.91 10 41 54 1356.0 -26.17 10.55
 110.00 0 42 1 3939.59 8.23 147.79 19.23 56.70 1 47 41 3339.6 3.79 141.51

MID-COURSE EXECUTION ACCURACY
 SGT 3419.0 SGR 3503.9 SG3 1138.2
 RRT .9884 RRF .9961 RTF .9841
 SGB 4895.6 R23 .0767 R13 .9931
 SG1 4881.4 SG2 372.6 TMA 45.71

ORBIT DETERMINATION ACCURACY
 ST 1186.5 SR 1355.5 SS 2044.6
 CRT .9986 CRS -.9895 CST -.9807
 LSA 2715.2 MSA 230.6 SSA 10.7
 EL1 1800.8 EL2 47.7 ALF 48.81

DIFFERENTIAL CORRECTIONS
 TOE -.4898 TRA 1.7215 TC3-2.3305 BAU .4679
 RDE -.5902 RRA 1.8716 RC3-1.6988 FAU .09205
 FDE-2.8713 FRA 6.7784 FC3-6.5661 BSP 15162
 BDE .7669 BRA 2.5429 BC3 2.8839 FSP -3838

LAUNCH DATE APR 17 1967 FLIGHT TIME 194.00 ARRIVAL DATE OCT 28 1967

DISTANCE 518.748

HELIOCENTRIC CONIC
 RL 150.16 LAL -.00 LOL 206.31 VL 27.515 GAL 6.46 AZL 89.47 HCA 223.91 SMA 131.33 ECC .18157 INC .5268 V1 29.673
 RP 107.85 LAP -.37 LOP 70.21 VP 38.086 GAP 1.84 AZP 90.38 TAL 148.15 TAP 12.06 RCA 107.49 APO 155.18 V2 35.137
 RC 88.880 GL 4.11 GP -38.02 ZAL 41.88 ZAP 110.75 ETS 345.03 ZAE 133.60 ETE 221.09 ZAC 131.42 ETC 346.37 CLP-116.72

PLANETOCENTRIC CONIC
 C3 12.323 VHL 3.510 OLA 9.85 RAL 167.42 RAD 6567.5 VEL 11.563 PTH 2.02 VMP 4.047 DPA -17.30 RAP 127.14 ECC 1.2028
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 37 37 2415.64 -23.89 54.63 23.88 105.68 8 17 52 1815.6 -21.50 46.77
 90.00 22 5 41 4438.40 7.66 185.36 20.67 62.65 23 19 39 3838.4 3.93 178.66
 100.00 9 3 49 2137.62 -24.87 33.87 23.57 107.15 9 39 26 1537.6 -22.28 26.02
 100.00 23 22 9 4191.65 8.56 166.73 20.18 61.25 24 32 1 3591.7 4.66 160.12
 110.00 10 23 6 1889.49 -27.47 14.02 22.56 111.19 10 54 36 1289.5 -24.34 6.25
 110.00 0 23 17 4012.55 10.93 151.71 18.76 57.41 1 30 10 3412.5 6.56 145.35

MID-COURSE EXECUTION ACCURACY
 SGT 3866.9 SGR 3190.2 SG3 1139.0
 RRT .9904 RRF .9950 RTF .9866
 SGB 5013.0 R23 .0743 R13 .9923
 SG1 5001.4 SG2 340.1 TMA 39.47

ORBIT DETERMINATION ACCURACY
 ST 1432.6 SR 1257.3 SS 2118.2
 CRT .9999 CRS -.9879 CST -.9875
 LSA 2840.8 MSA 222.6 SSA 11.1
 EL1 1906.0 EL2 11.4 ALF 41.27

DIFFERENTIAL CORRECTIONS
 TOE -.6397 TRA 1.9709 TC3-2.5489 BAU .4896
 RDE -.5626 RRA 1.7269 RC3-1.5274 FAU .09149
 FDE-3.0713 FRA 6.8372 FC3-6.4273 BSP 15533
 BDE .8519 BRA 2.6204 BC3 2.9715 FSP -3876

LAUNCH DATE APR 17 1967 FLIGHT TIME 196.00 ARRIVAL DATE OCT 30 1967

DISTANCE 525.012

HELIOCENTRIC CONIC
 RL 150.16 LAL -.00 LOL 206.31 VL 27.510 GAL 6.58 AZL 89.76 HCA 227.13 SMA 131.29 ECC .18310 INC .2384 V1 29.673
 RP 107.82 LAP -.17 LOP 73.43 VP 38.093 GAP 2.30 AZP 90.16 TAL 147.82 TAP 14.95 RCA 107.25 APO 155.33 V2 35.149
 RC 91.113 GL 1.84 GP -35.35 ZAL 41.28 ZAP 115.09 ETS 342.87 ZAE 132.94 ETE 215.97 ZAC 133.18 ETC 347.65 CLP-121.32

PLANETOCENTRIC CONIC
 C3 12.622 VHL 3.553 OLA 7.58 RAL 166.96 RAD 6567.5 VEL 11.576 PTH 2.02 VMP 4.077 DPA -14.44 RAP 126.72 ECC 1.2077
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 53 46 2347.28 -22.55 50.07 23.08 107.59 8 32 53 1747.3 -19.93 42.37
 90.00 21 45 53 4516.96 10.08 189.85 20.53 63.40 23 1 9 3917.0 6.43 183.08
 100.00 9 18 45 2073.18 -23.50 29.57 22.74 109.02 9 53 18 1473.2 -20.69 21.90
 100.00 23 3 34 4266.30 10.97 170.96 20.06 62.02 24 14 41 3666.3 7.15 164.26
 110.00 10 35 19 1833.57 -26.04 10.30 21.67 112.97 11 5 53 1235.6 -22.70 2.74
 110.00 0 7 26 4078.67 13.33 155.33 18.68 58.23 1 15 25 3478.7 9.03 148.87

MID-COURSE EXECUTION ACCURACY
 SGT 4275.0 SGR 2886.4 SG3 1120.5
 RRT .9914 RRF .9935 RTF .9880
 SGB 5158.2 R23 .0666 R13 .9916
 SG1 5148.6 SG2 314.3 TMA 33.94

ORBIT DETERMINATION ACCURACY
 ST 1672.2 SR 1151.6 SS 2170.2
 CRT .9992 CRS -.9855 CST -.9912
 LSA 2963.9 MSA 217.5 SSA 11.5
 EL1 2030.0 EL2 37.3 ALF 34.55

DIFFERENTIAL CORRECTIONS
 TOE -.7917 TRA 2.2091 TC3-2.7171 BAU .5120
 RDE -.5274 RRA 1.5895 RC3-1.3503 FAU .08915
 FDE-3.2178 FRA 6.7988 FC3-6.1150 BSP 15999
 BDE .9513 BRA 2.7215 BC3 3.0341 FSP -3843

LAUNCH DATE APR 17 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 531.253

RL 150.16 LAL -.00 LOL 206.31 VL 27.503 GAL 6.72 AZL 90.02 MCA 230.35 SMA 131.24 ECC .18489 INC .0171 V1 29.673
 RP 107.78 LAP .02 LOP 76.66 VP 38.098 GAP 2.75 A7P 89.99 TAL 147.47 TAP 17.82 RCA 106.97 APO 155.51 V2 35.160
 RC 93.352 GL -.16 GP -32.84 ZAL 40.75 ZAP 119.27 ETS 341.06 ZAE 132.04 ETE 211.47 ZAC 134.62 ETC 349.21 CLP-125.59

PLANETOCENTRIC CONIC

C3 13.021 VML 3.608 DLA 5.55 RAL 166.64 RAD 6567.5 VEL 11.593 PTH 2.03 VMP 4.139 DPA -11.80 RAP 126.48 ECC 1.2143
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 8 7 2289.55 -21.31 46.29 22.65 109.10 8 46 16 1689.5 -18.51 38.73
 90.00 21 29 0 4588.07 12.22 193.99 20.73 64.26 22 45 28 3988.1 8.66 187.12
 100.00 9 32 4 2018.73 -22.25 26.01 22.29 110.49 10 5 43 1418.7 -19.26 18.49
 100.00 22 47 43 4334.12 13.11 174.88 20.27 62.89 23 59 58 3734.1 9.37 168.06
 110.00 10 46 19 1786.35 -24.75 7.24 21.17 114.37 11 16 6 1186.3 -21.25 359.84
 110.00 23 49 58 4139.26 15.47 158.72 18.92 59.13 24 58 57 3539.3 11.27 152.14

DIFFERENTIAL CORRECTIONS

TOE -.9454 TRA 2.4369 TC3-2.8364 BAU .5347
 RDE -.4875 RRA 1.4615 RC3-1.1787 FAU .08544
 FDE-3.3147 FRA 6.6837 FC3-5.6808 BSP 16550
 BDE 1.0637 BRA 2.8416 BC3 3.0716 FSP -3755

MID-COURSE EXECUTION ACCURACY

SGT 4643.0 SGR 2599.8 SG3 1086.7
 RRT .9914 RRF .9915 RTF .9888
 SGB 5321.3 R23 .0547 R13 .9910
 SG1 5313.0 SG2 296.7 THA 29.14

ORBIT DETERMINATION ACCURACY

ST 1901.9 SR 1043.6 SS 2203.1
 CRT .9972 CRS -.9822 CST -.9934
 LSA 3084.4 MSA 214.6 SSA 11.8
 EL1 2168.3 EL2 68.3 ALF 28.72

LAUNCH DATE APR 17 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 537.470

RL 150.16 LAL -.00 LOL 206.31 VL 27.494 GAL 6.87 AZL 90.26 MCA 233.57 SMA 131.18 ECC .18694 INC .2568 V1 29.673
 RP 107.75 LAP .21 LOP 79.88 VP 38.101 GAP 3.21 A7P 89.85 TAL 147.09 TAP 20.66 RCA 106.66 APO 155.70 V2 35.170
 RC 95.596 GL -1.91 GP -30.50 ZAL 40.26 ZAP 123.27 ETS 339.52 ZAE 130.99 ETE 207.58 ZAC 135.71 ETC 350.99 CLP-129.54

PLANETOCENTRIC CONIC

C3 13.515 VML 3.676 DLA 3.73 RAL 166.45 RAD 6567.5 VEL 11.615 PTH 2.04 VMP 4.231 DPA -9.38 RAP 126.42 ECC 1.2224
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 21 4 2240.55 -20.19 43.13 22.54 110.29 8 58 24 1640.6 -17.25 35.69
 90.00 21 14 30 4653.19 14.11 197.83 21.21 65.19 22 32 3 4053.2 10.65 190.86
 100.00 9 44 9 1972.56 -21.12 23.04 22.16 111.66 10 17 2 1372.6 -17.99 15.64
 100.00 22 34 6 4396.42 15.01 178.51 20.77 63.84 23 47 22 3796.4 11.38 171.60
 110.00 10 56 24 1746.45 -23.60 4.71 20.99 115.47 11 25 30 1146.4 -19.98 357.44
 110.00 23 38 20 4195.30 17.40 161.92 19.44 60.10 24 48 16 3595.3 13.30 155.21

DIFFERENTIAL CORRECTIONS

TOE-1.0976 TRA 2.6595 TC3-2.9033 BAU .5557
 RDE -.4429 RRA 1.5464 RC3-1.0144 FAU .08035
 FDE-3.3571 FRA 6.5183 FC3-5.1469 BSP 17080
 BDE 1.1835 BRA 2.8809 BC3 3.0754 FSP -3605

MID-COURSE EXECUTION ACCURACY

SGT 4973.5 SGR 2335.6 SG3 1041.6
 RRT .9907 RRF .9888 RTF .9893
 SGB 5494.6 R23 .0404 R13 .9905
 SG1 5487.0 SG2 288.5 THA 25.02

ORBIT DETERMINATION ACCURACY

ST 2117.3 SR 935.4 SS 2214.8
 CRT .9938 CRS -.9776 CST -.9948
 LSA 3196.6 MSA 213.1 SSA 12.1
 EL1 2312.8 EL2 94.9 ALF 23.75

LAUNCH DATE APR 17 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 543.661

RL 150.16 LAL -.00 LOL 206.31 VL 27.485 GAL 7.04 AZL 90.48 MCA 236.80 SMA 131.11 ECC .18925 INC .4753 V1 29.673
 RP 107.72 LAP .40 LOP 83.11 VP 38.104 GAP 3.68 A7P 89.74 TAL 146.68 TAP 23.48 RCA 106.30 APO 155.92 V2 35.180
 RC 97.843 GL -3.46 GP -28.34 ZAL 39.79 ZAP 127.05 ETS 338.21 ZAE 129.85 ETE 204.25 ZAC 136.46 ETC 352.90 CLP-135.20

PLANETOCENTRIC CONIC

C3 14.101 VML 3.755 DLA 2.09 RAL 166.36 RAD 6567.6 VEL 11.640 PTH 2.04 VMP 4.348 DPA -7.19 RAP 126.55 ECC 1.2321
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 32 55 2198.94 -19.19 40.49 22.70 111.23 9 9 34 1598.9 -16.13 33.15
 90.00 21 1 56 4713.41 15.80 201.45 21.93 66.19 22 20 30 4113.4 12.45 194.37
 100.00 9 55 14 1933.43 -20.12 20.57 22.30 112.59 10 27 28 1333.4 -16.88 13.27
 100.00 22 22 19 4454.16 16.71 181.95 21.30 64.85 23 36 33 3854.2 13.19 174.93
 110.00 11 5 43 1712.84 -22.60 2.61 21.09 116.35 11 34 16 1112.8 -18.88 355.45
 110.00 23 28 19 4247.91 19.15 164.96 20.19 61.13 24 39 7 3647.5 15.15 158.12

DIFFERENTIAL CORRECTIONS

TOE-1.2528 TRA 2.8727 TC3-2.9376 BAU .5777
 RDE -.3988 RRA 1.2412 RC3 -.8722 FAU .07508
 FDE-3.3696 FRA 6.3052 FC3-4.6094 BSP 17726
 BDE 1.3147 BRA 3.1293 BC3 3.0643 FSP -3448

MID-COURSE EXECUTION ACCURACY

SGT 5268.6 SGR 2095.4 SG3 989.2
 RRT .9892 RRF .9853 RTF .9895
 SGB 5670.0 R23 .0251 R13 .9902
 SG1 5662.8 SG2 286.3 THA 21.53

ORBIT DETERMINATION ACCURACY

ST 2321.6 SR 832.9 SS 2215.4
 CRT .9890 CRS -.9714 CST -.9958
 LSA 3308.5 MSA 212.5 SSA 12.3
 EL1 2463.7 EL2 118.3 ALF 19.58

LAUNCH DATE APR 17 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 549.826

RL 150.16 LAL -.00 LOL 206.31 VL 27.474 GAL 7.23 AZL 90.68 MCA 240.03 SMA 131.03 ECC .19184 INC .6779 V1 29.673
 RP 107.69 LAP .59 LOP 86.34 VP 38.105 GAP 4.14 A7P 89.66 TAL 146.24 TAP 26.27 RCA 105.90 APO 156.17 V2 35.190
 RC 100.092 GL -4.81 GP -26.36 ZAL 39.34 ZAP 130.61 ETS 337.07 ZAE 128.67 ETE 201.43 ZAC 136.88 ETC 354.86 CLP-136.59

PLANETOCENTRIC CONIC

C3 14.781 VML 3.845 DLA .62 RAL 166.37 RAD 6567.6 VEL 11.669 PTH 2.05 VMP 4.487 DPA -5.23 RAP 126.87 ECC 1.2433
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 43 53 2163.69 -18.30 38.28 23.09 111.99 9 19 57 1563.7 -15.16 31.02
 90.00 20 51 2 4769.55 17.31 204.87 22.86 67.24 22 10 32 4169.5 14.08 197.69
 100.00 10 5 31 1900.38 -19.24 18.51 22.68 113.33 10 37 11 1300.4 -15.92 11.29
 100.00 22 12 6 4508.08 18.24 185.22 22.43 65.90 23 27 14 3908.1 14.84 178.09
 110.00 11 14 25 1684.71 -21.74 .88 21.42 117.05 11 42 29 1084.7 -17.94 353.81
 110.00 23 19 41 4296.52 20.73 167.88 21.15 62.19 24 31 17 3696.5 16.85 160.91

DIFFERENTIAL CORRECTIONS

TOE-1.4078 TRA 3.0829 TC3-2.9342 BAU .5983
 RDE -.3541 RRA 1.1480 RC3 -.7461 FAU .06941
 FDE-3.3483 FRA 6.0712 FC3-4.0653 BSP 18351
 BDE 1.4516 BRA 3.2898 BC3 3.0276 FSP -3267

MID-COURSE EXECUTION ACCURACY

SGT 5532.0 SGR 1880.1 SG3 932.7
 RRT .9867 RRF .9808 RTF .9895
 SGB 5842.8 R23 .0108 R13 .9899
 SG1 5835.6 SG2 289.6 THA 18.59

ORBIT DETERMINATION ACCURACY

ST 2511.2 SR 736.4 SS 2202.6
 CRT .9820 CRS -.9629 CST -.9965
 LSA 3413.9 MSA 212.4 SSA 12.4
 EL1 2613.5 EL2 153.8 ALF 16.11

LAUNCH DATE APR 17 1967 FLIGHT TIME 206.00 ARRIVAL DATE NOV 9 1967

Heliocentric Conic
 RL 150.16 LAL -.00 LOL 206.31 VL 27.462 GAL 7.44 AZL 90.87 MCA 243.26 SMA 130.95 ECC .19471 INC .8677 V1 29.673
 RP 107.66 LAP .78 LOP 89.57 VP 38.105 GAP 4.62 AZP 89.61 TAL 145.78 TAP 29.04 RCA 105.45 APO 156.45 V2 35.199
 RC 102.344 GL -6.00 GP -24.55 ZAL 38.88 ZAP 133.94 ETS 336.05 ZAE 127.51 ETE 199.06 ZAC 136.99 ETC 356.80 CLP-139.72

Planetocentric Conic
 C3 15.559 VHL 3.945 DLA -.71 RAL 166.46 RAD 6567.6 VEL 11.702 PTH 2.06 VHP 4.648 DPA -3.49 RAP 127.36 ECC 1.2561
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 54 6 2134.00 -17.54 36.44 23.69 112.60 9 29 40 1534.0 -14.32 29.24
 90.00 20 41 33 4822.24 18.67 208.15 23.97 68.32 22 1 56 4222.2 15.56 200.85
 100.00 10 15 6 1872.69 -18.48 16.80 23.26 113.92 10 46 19 1272.7 -15.10 9.64
 100.00 22 3 14 4558.79 19.62 188.36 23.56 66.99 23 19 13 3958.8 16.34 181.10
 110.00 11 22 35 1661.45 -21.02 359.47 21.96 117.60 11 50 17 1061.4 -17.15 352.47
 110.00 23 12 14 4342.79 22.18 170.69 22.29 63.29 24 24 37 3742.8 18.41 163.58

Differential Corrections
 TDE-1.5627 TRA 3.2921 TC3-2.8983 BAU .6172 SGT 5766.3 SGR 1688.8 SG3 874.5 ST 2686.1 SR 646.9 SS 2178.9
 ROE -1.3098 RRA 1.0660 RC3 -.6359 FAU .06356 RRT .9831 RRF .9751 RTF .9895 CRT .9719 CRS -.9511 CST -.9970
 FDE-3.3004 FRA 5.8285 FC3-3.5365 BSP 18954 SGB 6008.6 R23 -.0016 R13 .9895 LSA 3512.2 MSA 212.7 SSA 12.6
 BDE 1.5931 BRA 3.4604 BC3 2.9673 FSP -3075 SG1 6001.2 SG2 296.8 TMA 16.10 EL1 2758.9 EL2 148.3 ALF 13.21

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 17 1967 FLIGHT TIME 208.00 ARRIVAL DATE NOV 11 1967

Heliocentric Conic
 RL 150.16 LAL -.00 LOL 206.31 VL 27.449 GAL 7.66 AZL 91.05 MCA 246.50 SMA 130.86 ECC .19787 INC 1.0471 V1 29.673
 RP 107.63 LAP .96 LOP 92.80 VP 38.104 GAP 5.10 AZP 89.58 TAL 145.29 TAP 31.79 RCA 104.97 APO 156.75 V2 35.208
 RC 104.596 GL -7.04 GP -22.92 ZAL 38.41 ZAP 137.05 ETS 335.12 ZAE 126.38 ETE 197.05 ZAC 136.82 ETC 358.66 CLP-142.63

Planetocentric Conic
 C3 16.441 VHL 4.055 DLA -1.92 RAL 166.63 RAD 6567.7 VEL 11.740 PTH 2.07 VHP 4.827 DPA -1.97 RAP 128.02 ECC 1.2706
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 3 40 2109.28 -16.88 34.92 24.46 113.08 9 38 49 1509.3 -13.61 27.77
 90.00 20 33 19 4872.00 19.89 211.28 25.25 69.42 21 54 31 4272.0 16.91 203.88
 100.00 10 24 7 1849.76 -17.85 15.40 24.02 114.39 10 54 57 1249.8 -14.40 8.29
 100.00 21 55 33 4606.75 20.87 191.37 24.85 68.10 23 12 19 4006.8 17.72 184.00
 110.00 11 30 19 1642.53 -20.42 358.33 22.68 118.03 11 57 42 1042.5 -16.51 351.38
 110.00 23 5 50 4386.74 23.49 173.43 23.60 64.43 24 18 57 3786.7 19.86 166.17

Differential Corrections
 TDE-1.7180 TRA 3.5023 TC3-2.8361 BAU .6346 SGT 5975.3 SGR 1520.0 SG3 816.7 ST 2846.9 SR 565.6 SS 2147.0
 ROE -1.2666 RRA .9941 RC3 -.5413 FAU .05778 RRT .9782 RRF .9679 RTF .9893 CRT .9576 CRS -.9347 CST -.9974
 FDE-3.2339 FRA 5.9859 FC3-3.0425 BSP 19534 SGB 6185.5 R23 -.0118 R13 .9893 LSA 3604.0 MSA 213.2 SSA 12.7
 BDE 1.7386 BRA 3.6407 BC3 2.8873 FSP -2880 SG1 6157.9 SG2 306.1 TMA 14.01 EL1 2898.2 EL2 160.2 ALF 10.80

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 17 1967 FLIGHT TIME 210.00 ARRIVAL DATE NOV 13 1967

Heliocentric Conic
 RL 150.16 LAL -.00 LOL 206.31 VL 27.435 GAL 7.91 AZL 91.22 MCA 249.73 SMA 130.76 ECC .20134 INC 1.2180 V1 29.673
 RP 107.61 LAP 1.14 LOP 96.04 VP 38.101 GAP 5.89 AZP 89.58 TAL 144.78 TAP 34.51 RCA 104.43 APO 157.09 V2 35.216
 RC 106.849 GL -7.95 GP -21.43 ZAL 37.94 ZAP 139.96 ETS 334.23 ZAE 125.29 ETE 195.37 ZAC 136.39 ETC .41 CLP-145.34

Planetocentric Conic
 C3 17.434 VHL 4.175 DLA -3.00 RAL 166.86 RAD 6567.7 VEL 11.782 PTH 2.08 VHP 5.024 DPA -.63 RAP 128.84 ECC 1.2869
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 12 41 2089.03 -16.34 33.69 25.40 113.45 9 47 30 1489.0 -13.03 26.57
 90.00 20 26 9 4919.25 20.99 214.31 26.69 70.55 21 48 9 4319.3 18.15 206.79
 100.00 10 32 37 1831.15 -17.32 14.26 24.94 114.75 11 3 8 1231.1 -13.84 7.20
 100.00 21 48 54 4652.36 22.00 194.29 26.29 69.24 23 6 26 4052.4 18.98 186.80
 110.00 11 37 39 1627.57 -19.93 357.43 23.56 118.36 12 4 47 1027.6 -15.99 350.53
 110.00 23 0 21 4428.71 24.70 176.09 25.06 65.58 24 14 10 3828.7 21.20 168.69

Differential Corrections
 TDE-1.8717 TRA 3.7179 TC3-2.7456 BAU .6488 SGT 6160.6 SGR 1371.5 SG3 760.3 ST 2991.7 SR 492.2 SS 2106.7
 ROE -1.2241 RRA .9319 RC3 -.4586 FAU .05192 RRT .9717 RRF .9590 RTF .9891 CRT .9367 CRS -.9116 CST -.9978
 FDE-3.1494 FRA 5.3539 FC3-2.5784 BSP 20014 SGB 6311.5 R23 -.0195 R13 .9889 LSA 3685.8 MSA 213.8 SSA 12.8
 BDE 1.8851 BRA 3.8329 BC3 2.7837 FSP -2678 SG1 6303.5 SG2 316.8 TMA 12.24 EL1 3027.2 EL2 170.3 ALF 8.79

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 17 1967 FLIGHT TIME 212.00 ARRIVAL DATE NOV 15 1967

Heliocentric Conic
 RL 150.16 LAL -.00 LOL 206.31 VL 27.421 GAL 8.18 AZL 91.38 MCA 252.97 SMA 130.66 ECC .20514 INC 1.3820 V1 29.673
 RP 107.59 LAP 1.32 LOP 99.27 VP 38.097 GAP 6.09 AZP 89.60 TAL 144.25 TAP 37.22 RCA 103.86 APO 157.46 V2 35.223
 RC 109.101 GL -8.74 GP -20.09 ZAL 37.45 ZAP 142.68 ETS 333.36 ZAE 124.27 ETE 193.95 ZAC 135.75 ETC 2.01 CLP-147.87

Planetocentric Conic
 C3 18.548 VHL 4.307 DLA -3.98 RAL 167.15 RAD 6567.8 VEL 11.829 PTH 2.10 VHP 5.238 DPA .52 RAP 129.80 ECC 1.3053
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 21 12 2072.84 -15.90 32.70 26.49 113.75 9 55 44 1472.8 -12.55 25.62
 90.00 20 19 58 4964.34 21.99 217.25 28.25 71.69 21 42 42 4364.3 19.28 209.62
 100.00 10 40 40 1816.47 -16.90 13.38 26.01 115.03 11 10 57 1216.5 -13.38 6.35
 100.00 21 43 11 4695.95 23.03 197.12 27.87 70.39 23 1 27 4095.9 20.14 189.51
 110.00 11 44 38 1616.22 -19.57 356.76 24.59 118.61 12 11 34 1016.2 -15.60 349.89
 110.00 22 55 42 4468.96 25.81 178.69 26.67 66.77 24 10 11 3869.0 22.44 171.15

Differential Corrections
 TDE-2.0298 TRA 3.9347 TC3-2.6448 BAU .6630 SGT 6325.7 SGR 1241.0 SG3 706.5 ST 3126.4 SR 428.0 SS 2065.0
 ROE -1.842 RRA .8767 RC3 -.3904 FAU .04664 RRT .9634 RRF .9482 RTF .9889 CRT .9077 CRS -.8801 CST -.9981
 FDE-3.0633 FRA 5.1267 FC3-2.1767 BSP 20546 SGB 6446.3 R23 -.0259 R13 .9887 LSA 3765.1 MSA 214.2 SSA 12.9
 BDE 2.0381 BRA 4.0312 BC3 2.6735 FSP -2497 SG1 6438.0 SG2 327.0 TMA 10.73 EL1 3150.5 EL2 178.2 ALF 7.11

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 17 1967

FLIGHT TIME 214.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 580.180

RL 150.16 LAL -.00 LOL 206.31 VL 27.406 GAL 8.48 AZL 91.54 MCA 256.21 SMA 130.55 ECC .20928 INC 1.5405 V1 29.673
 RP 107.57 LAP 1.50 LOP 102.51 VP 38.093 GAP 6.60 AZP 89.63 TAL 143.70 TAP 39.91 RCA 103.23 APO 157.87 V2 35.230
 RC 111.351 GL -9.43 GP -18.88 ZAL 36.94 ZAP 145.22 ETS 332.48 ZAE 123.31 ETE 192.74 ZAC 134.91 ETC 3.46 CLP-150.23

PLANETOCENTRIC CONIC

C3 19.798 VML 4.449 DLA -4.87 RAL 167.49 RAD 6567.8 VEL 11.882 PTH 2.11 VMP 5.469 DPA 1.50 RAP 130.88 ECC 1.3258
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 29 15 2060.41 -15.55 31.95 27.70 113.96 10 3 35 1460.4 -12.19 24.89
 90.00 20 14 39 5007.55 22.88 220.10 29.95 72.85 21 38 6 4407.5 20.32 212.36
 100.00 10 48 18 1805.41 -16.58 12.71 27.21 115.24 11 18 23 1205.4 -13.04 5.70
 100.00 21 38 17 4737.78 23.95 199.88 29.58 71.56 22 57 14 4137.8 21.21 192.16
 110.00 11 51 17 1608.20 -19.30 356.29 25.75 118.77 12 18 5 1008.2 -15.32 349.44
 110.00 22 51 47 4507.74 26.83 181.25 28.40 67.97 24 6 55 3907.7 23.60 173.57

DIFFERENTIAL CORRECTIONS

TDE-2.1891 TRA 4.1583 TC3-2.5279 BAU .6748
 RDE -.1458 RRA .8285 RC3 -.3320 FAU .04159
 FDE-2.9718 FRA 4.9136 FC3-1.8188 BSP 21028
 BDE 2.1939 BRA 4.2400 BC3 2.5496 FSP -2322

MID-COURSE EXECUTION ACCURACY

SGT 6472.0 SGR 1126.5 SG3 655.7
 RRT .9530 RRF .9353 RTF .9886
 SGB 6569.3 R23 -.0308 R13 .9884
 SGI 6560.7 SG2 336.7 TMA 9.44

ORBIT DETERMINATION ACCURACY

ST 3248.1 SR 372.2 SS 2019.9
 CRT .8667 CRS -.8365 CST -.9983
 LSA 3837.0 MSA 214.5 SSA 12.9
 EL1 3264.1 EL2 184.7 ALF 5.69

LAUNCH DATE APR 17 1967

FLIGHT TIME 216.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 586.139

RL 150.16 LAL -.00 LOL 206.31 VL 27.389 GAL 8.80 AZL 91.69 MCA 259.45 SMA 130.44 ECC .21380 INC 1.6946 V1 29.673
 RP 107.55 LAP 1.67 LOP 105.75 VP 38.087 GAP 7.12 AZP 89.69 TAL 143.14 TAP 42.58 RCA 102.55 APO 158.33 V2 35.236
 RC 113.598 GL -10.01 GP -17.79 ZAL 36.42 ZAP 147.60 ETS 331.55 ZAE 122.42 ETE 191.72 ZAC 133.90 ETC 4.75 CLP-152.46

PLANETOCENTRIC CONIC

C3 21.198 VML 4.604 DLA -5.68 RAL 167.88 RAD 6567.9 VEL 11.941 PTH 2.12 VMP 5.715 DPA 2.33 RAP 132.08 ECC 1.3488
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 36 53 2051.47 -15.31 31.41 29.04 114.12 10 11 5 1451.5 -11.92 24.37
 90.00 20 10 6 5049.13 23.69 222.88 31.77 74.02 21 34 15 4449.1 21.27 215.04
 100.00 10 55 33 1797.73 -16.35 12.25 28.54 115.38 11 23 30 1197.7 -12.80 5.26
 100.00 21 34 7 4778.10 24.80 202.58 31.40 72.75 22 53 45 4178.1 22.20 194.75
 110.00 11 57 38 1603.32 -19.14 356.00 27.04 118.88 12 24 22 1003.3 -15.14 349.16
 110.00 22 48 31 4545.27 27.76 183.77 30.26 69.20 24 4 16 3945.3 24.68 175.95

DIFFERENTIAL CORRECTIONS

TDE-2.3508 TRA 4.3902 TC3-2.3999 BAU .6848
 RDE -.1088 RRA .7861 RC3 -.2824 FAU .03686
 FDE-2.8781 FRA 4.7157 FC3-1.5056 BSP 21467
 BDE 2.3531 BRA 4.4600 BC3 2.4165 FSP -2156

MID-COURSE EXECUTION ACCURACY

SGT 6602.0 SGR 1025.9 SG3 608.1
 RRT .9403 RRF .9201 RTF .9883
 SGB 6681.2 R23 -.0345 R13 .9881
 SGI 6672.3 SG2 345.6 TMA 8.33

ORBIT DETERMINATION ACCURACY

ST 3357.8 SR 324.6 SS 1972.8
 CRT .8095 CRS -.7765 CST -.9985
 LSA 3902.1 MSA 214.7 SSA 12.9
 EL1 3368.1 EL2 190.0 ALF 4.49

LAUNCH DATE APR 17 1967

FLIGHT TIME 218.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 592.052

RL 150.16 LAL -.00 LOL 206.31 VL 27.373 GAL 9.14 AZL 91.85 MCA 262.69 SMA 130.32 ECC .21870 INC 1.8457 V1 29.673
 RP 107.53 LAP 1.83 LOP 108.99 VP 38.080 GAP 7.66 AZP 89.77 TAL 142.55 TAP 45.24 RCA 101.82 APO 158.82 V2 35.241
 RC 115.842 GL -10.51 GP -16.80 ZAL 35.89 ZAP 149.82 ETS 330.56 ZAE 121.58 ETE 190.85 ZAC 132.75 ETC 5.89 CLP-154.56

PLANETOCENTRIC CONIC

C3 22.762 VML 4.771 DLA -6.40 RAL 168.31 RAD 6567.9 VEL 12.006 PTH 2.14 VMP 5.978 DPA 3.02 RAP 133.39 ECC 1.3746
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 44 8 2045.79 -15.15 31.07 30.49 114.21 10 18 13 1445.8 -11.75 24.04
 90.00 20 6 15 5089.29 24.42 225.60 33.69 75.19 21 31 4 4489.3 22.14 217.66
 100.00 11 2 25 1793.20 -16.22 11.98 29.97 115.46 11 32 19 1193.2 -12.66 5.00
 100.00 21 30 38 4817.11 25.56 205.23 33.34 73.94 22 50 55 4217.1 23.11 197.29
 110.00 12 3 42 1601.35 -19.08 355.88 28.43 118.92 12 30 23 1001.3 -15.08 349.05
 110.00 22 45 51 4581.72 28.61 186.26 32.24 70.45 24 2 13 3981.7 25.68 178.31

DIFFERENTIAL CORRECTIONS

TDE-2.5116 TRA 4.6356 TC3-2.2562 BAU .6904
 RDE -.0724 RRA .7491 RC3 -.2388 FAU .03221
 FDE-2.7801 FRA 4.5371 FC3-1.2252 BSP 21782
 BDE 2.5127 BRA 4.6957 BC3 2.2688 FSP -1992

MID-COURSE EXECUTION ACCURACY

SGT 6716.7 SGR 937.5 SG3 563.8
 RRT .9249 RRF .9024 RTF .9880
 SGB 6781.8 R23 -.0367 R13 .9878
 SGI 6772.6 SG2 353.6 TMA 7.38

ORBIT DETERMINATION ACCURACY

ST 3453.5 SR 285.2 SS 1922.5
 CRT .7301 CRS -.6945 CST -.9987
 LSA 3957.0 MSA 214.8 SSA 12.9
 EL1 3459.8 EL2 194.6 ALF 3.46

LAUNCH DATE APR 17 1967

FLIGHT TIME 220.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 597.915

RL 150.16 LAL -.00 LOL 206.31 VL 27.355 GAL 9.52 AZL 91.99 MCA 265.93 SMA 130.20 ECC .22403 INC 1.9945 V1 29.673
 RP 107.52 LAP 1.99 LOP 112.24 VP 38.072 GAP 8.22 AZP 89.86 TAL 141.96 TAP 47.89 RCA 101.03 APO 159.37 V2 35.246
 RC 118.080 GL -10.93 GP -15.91 ZAL 35.35 ZAP 151.92 ETS 329.48 ZAE 120.80 ETE 190.09 ZAC 131.48 ETC 6.88 CLP-156.55

PLANETOCENTRIC CONIC

C3 24.517 VML 4.951 DLA -7.08 RAL 168.77 RAD 6568.0 VEL 12.079 PTH 2.16 VMP 6.258 DPA 3.57 RAP 134.78 ECC 1.4035
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 50 59 2043.18 -15.07 30.91 32.04 114.26 10 25 2 1443.2 -11.67 23.89
 90.00 20 3 3 5128.20 25.07 228.26 35.71 76.38 21 28 31 4528.2 22.95 220.23
 100.00 11 8 57 1791.66 -16.18 11.89 31.51 115.48 11 38 49 1191.7 -12.61 4.91
 100.00 21 27 46 4854.96 26.24 207.83 35.38 75.15 22 48 41 4255.0 23.95 199.79
 110.00 12 9 29 1602.14 -19.10 355.93 29.93 118.90 12 36 11 1002.1 -15.10 349.09
 110.00 22 43 43 4617.24 29.40 188.72 34.32 71.72 24 0 41 4017.2 26.62 180.64

DIFFERENTIAL CORRECTIONS

TDE-2.6801 TRA 4.8879 TC3-2.1144 BAU .6962
 RDE -.0381 RRA .7154 RC3 -.2029 FAU .02816
 FDE-2.6898 FRA 4.3688 FC3 -.9944 BSP 22170
 BQE 2.6804 BRA 4.9400 BC3 2.1242 FSP -1850

MID-COURSE EXECUTION ACCURACY

SGT 6817.9 SGR 859.2 SG3 522.7
 RRT .9068 RRF .8819 RTF .9878
 SGB 6871.9 R23 -.0387 R13 .9876
 SGI 6862.4 SG2 359.9 TMA 6.54

ORBIT DETERMINATION ACCURACY

ST 3541.9 SR 254.2 SS 1875.0
 CRT .6274 CRS -.5896 CST -.9988
 LSA 4009.9 MSA 214.5 SSA 12.9
 EL1 3545.5 EL2 197.7 ALF 2.59

LAUNCH DATE APR 18 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUN 27 1967

HELIOCENTRIC CONIC

DISTANCE 122.196

RL 150.20 LAL -.00 LOL 207.28 VL 13.593 GAL 37.58 AZL 87.26 MCA 27.35 SMA 83.87 ECC .87452 INC 2.7442 V1 29.665
 RP 108.38 LAP 1.26 LOP 234.61 VP 29.440 GAP -59.53 AZP 87.56 TAL 173.36 TAP 200.72 RCA 10.52 APO 157.22 V2 34.966
 RC 98.243 GL 1.44 GP 2.56 ZAL 67.56 ZAP 38.21 ETS 186.52 ZAE 132.62 ETE 178.66 ZAC 161.72 ETC 70.08 CLP 38.14

PLANETOCENTRIC CONIC

C3 418.489 VML 20.457 DLA 16.27 RAL 142.62 RAD 6572.2 VEL 23.233 PTH 3.28 VMP 32.588 DPA 26.93 RAP 92.85 ECC 7.8873
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 58 56 3355.99 -23.55 121.46 55.84 73.80 5 54 52 2756.0 -25.54 113.36
 90.00 21 18 39 4936.33 21.38 215.42 42.01 70.97 22 40 55 4336.3 18.58 207.86
 100.00 6 29 23 3064.27 -25.40 100.59 56.43 73.68 7 20 27 2464.3 -27.39 92.36
 100.00 22 30 53 4703.28 23.19 197.60 41.32 70.59 23 49 16 4103.3 20.33 189.97
 110.00 7 57 49 2787.57 -30.23 81.20 58.06 73.24 8 44 17 2187.6 -32.23 72.56
 110.00 23 18 56 4552.75 27.94 184.27 39.41 69.45 24 34 48 3952.8 24.89 176.43

DIFFERENTIAL CORRECTIONS

TDE .7986 TRA-2.2624 TC3 -.1009 BAU .5643
 ROE-1.5124 RRA -.6492 RC3 .0008 FAU .01096
 FDE -.2801 FRA .7377 FC3 -.0227 BSP 1856
 BDE 1.7103 BRA 2.3537 BC3 .1009 FSP -43

MID-COURSE EXECUTION ACCURACY

SGT 810.0 SGR 464.0 SG3 21.4
 RRT .0768 RRF -.0685 RTF -.6063
 SGB 933.5 R23 .0005 R13 -.6067
 SG1 811.1 SG2 462.0 TMA 3.73

ORBIT DETERMINATION ACCURACY

ST 299.0 SR 427.4 SS 286.2
 CRT -.6534 CRS -.6805 CST .9970
 LSA 543.0 MSA 242.7 SSA 14.2
 EL1 481.3 EL2 201.0 ALF 120.41

LAUNCH DATE APR 18 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUN 29 1967

HELIOCENTRIC CONIC

DISTANCE 127.224

RL 150.20 LAL -.00 LOL 207.28 VL 14.449 GAL 35.61 AZL 87.87 MCA 30.53 SMA 85.16 ECC .85121 INC 2.1323 V1 29.665
 RP 108.42 LAP 1.88 LOP 237.80 VP 29.830 GAP -56.94 AZP 88.16 TAL 172.45 TAP 202.98 RCA 12.67 APO 157.65 V2 34.953
 RC 95.826 GL 1.28 GP 2.61 ZAL 66.13 ZAP 36.69 ETS 186.74 ZAE 132.47 ETE 178.31 ZAC 160.95 ETC 65.60 CLP 36.61

PLANETOCENTRIC CONIC

C3 384.321 VML 19.604 DLA 15.66 RAL 143.97 RAD 6572.1 VEL 22.486 PTH 3.26 VMP 31.460 DPA 27.03 RAP 94.71 ECC 7.3249
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 10 6 3325.34 -24.11 119.39 56.44 74.69 6 5 31 2725.3 -25.98 111.22
 90.00 21 18 14 4950.46 21.69 216.34 42.88 71.33 22 40 44 4350.5 18.94 208.74
 100.00 6 40 4 3035.19 -25.94 98.60 57.00 74.59 7 30 39 2435.2 -27.80 90.29
 100.00 22 30 57 4715.84 23.47 198.43 42.22 70.94 23 49 33 4115.8 20.66 190.76
 110.00 8 7 30 2761.64 -30.73 79.34 58.51 74.23 8 53 31 2161.6 -32.58 70.62
 110.00 23 20 1 4562.15 28.16 184.91 40.36 69.77 24 36 3 3962.1 25.15 177.04

DIFFERENTIAL CORRECTIONS

TDE .8169 TRA-2.2817 TC3 -.1077 BAU .5534
 ROE-1.4632 RRA -.6489 RC3 .0014 FAU .01097
 FDE -.2973 FRA .7643 FC3 -.0247 BSP 2025
 BDE 1.6758 BRA 2.3722 BC3 .1077 FSP -47

MID-COURSE EXECUTION ACCURACY

SGT 845.6 SGR 470.9 SG3 23.0
 RRT .0803 RRF -.0724 RTF -.6246
 SGB 967.8 R23 -.0001 R13 -.6250
 SG1 846.8 SG2 468.7 TMA 3.69

ORBIT DETERMINATION ACCURACY

ST 316.8 SR 431.7 SS 302.7
 CRT -.6569 CRS -.6873 CST .9970
 LSA 562.2 MSA 249.1 SSA 14.4
 EL1 492.9 EL2 209.2 ALF 122.20

LAUNCH DATE APR 18 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 1 1967

HELIOCENTRIC CONIC

DISTANCE 132.397

RL 150.20 LAL -.00 LOL 207.28 VL 15.257 GAL 33.84 AZL 88.37 MCA 33.71 SMA 86.50 ECC .82725 INC 1.6261 V1 29.665
 RP 108.46 LAP .90 LOP 240.99 VP 30.215 GAP -54.49 AZP 88.65 TAL 171.53 TAP 205.24 RCA 14.94 APO 158.05 V2 34.941
 RC 93.418 GL 1.10 GP 2.67 ZAL 64.75 ZAP 35.19 ETS 187.00 ZAE 132.38 ETE 177.94 ZAC 160.07 ETC 61.44 CLP 35.11

PLANETOCENTRIC CONIC

C3 353.123 VML 18.792 DLA 15.04 RAL 145.26 RAD 6571.9 VEL 21.781 PTH 3.23 VMP 30.370 DPA 27.12 RAP 96.60 ECC 6.8115
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 20 8 3294.34 -24.66 117.28 56.93 75.61 6 15 52 2694.3 -26.39 109.04
 90.00 21 17 40 4963.95 21.98 217.22 43.68 71.68 22 40 24 4364.0 19.27 209.59
 100.00 6 50 28 3005.71 -26.45 96.56 57.44 75.55 7 40 34 2405.7 -28.18 88.18
 100.00 22 30 51 4727.82 23.74 199.22 43.04 71.28 23 49 39 4127.8 20.96 191.52
 110.00 8 16 55 2735.23 -31.20 77.43 58.85 75.27 9 2 30 2135.2 -32.91 68.62
 110.00 23 20 54 4571.07 28.37 185.52 41.23 70.08 24 37 5 3971.1 25.39 177.61

DIFFERENTIAL CORRECTIONS

TDE .8331 TRA-2.3032 TC3 -.1149 BAU .5427
 ROE-1.4140 RRA -.6471 RC3 .0021 FAU .01098
 FDE -.3145 FRA .7915 FC3 -.0269 BSP 2166
 BDE 1.6412 BRA 2.3924 BC3 .1150 FSP -52

MID-COURSE EXECUTION ACCURACY

SGT 883.1 SGR 477.2 SG3 24.7
 RRT .0846 RRF -.0770 RTF -.6425
 SGB 1003.8 R23 -.0005 R13 -.6429
 SG1 884.4 SG2 474.8 TMA 3.68

ORBIT DETERMINATION ACCURACY

ST 335.1 SR 435.5 SS 319.5
 CRT -.6589 CRS -.6930 CST .9969
 LSA 581.8 MSA 255.5 SSA 14.6
 EL1 504.6 EL2 217.5 ALF 124.04

LAUNCH DATE APR 18 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 3 1967

HELIOCENTRIC CONIC

DISTANCE 137.704

RL 150.20 LAL -.00 LOL 207.28 VL 16.022 GAL 32.22 AZL 88.80 MCA 36.89 SMA 87.86 ECC .80285 INC 1.1980 V1 29.665
 RP 108.50 LAP .72 LOP 244.17 VP 30.594 GAP -52.17 AZP 89.04 TAL 170.61 TAP 207.50 RCA 17.32 APO 158.40 V2 34.929
 RC 91.019 GL .90 GP 2.74 ZAL 63.42 ZAP 33.72 ETS 187.27 ZAE 132.35 ETE 177.54 ZAC 159.07 ETC 57.61 CLP 33.63

PLANETOCENTRIC CONIC

C3 324.596 VML 18.017 DLA 14.42 RAL 146.49 RAD 6571.8 VEL 21.116 PTH 3.20 VMP 29.316 DPA 27.19 RAP 98.52 ECC 6.3420
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 31 32 3262.97 -25.17 115.12 57.30 76.58 6 25 55 2663.0 -26.77 106.82
 90.00 21 16 56 4976.82 22.25 218.07 44.39 72.02 22 39 53 4376.8 19.59 210.41
 100.00 7 0 35 2975.79 -26.94 94.47 57.77 76.54 7 50 11 2375.8 -28.53 86.03
 100.00 22 30 34 4739.23 23.99 199.98 43.77 71.60 23 49 33 4139.2 21.25 192.25
 110.00 8 26 5 2708.30 -31.85 75.46 59.07 76.36 9 11 13 2108.3 -33.20 66.58
 110.00 23 21 34 4579.49 28.56 186.10 42.01 70.37 24 37 54 3979.5 25.62 178.16

DIFFERENTIAL CORRECTIONS

TDE .8478 TRA-2.3263 TC3 -.1225 BAU .5317
 ROE-1.3649 RRA -.6439 RC3 .0029 FAU .01101
 FDE -.3319 FRA .8191 FC3 -.0294 BSP 2288
 BDE 1.8068 BRA 2.4138 BC3 .1225 FSP -56

MID-COURSE EXECUTION ACCURACY

SGT 922.5 SGR 482.9 SG3 26.6
 RRT .0895 RRF -.0818 RTF -.6596
 SGB 1041.3 R23 -.0008 R13 -.6600
 SG1 923.9 SG2 480.3 TMA 3.68

ORBIT DETERMINATION ACCURACY

ST 354.1 SR 438.7 SS 336.6
 CRT -.6599 CRS -.6981 CST .9968
 LSA 602.1 MSA 261.6 SSA 14.8
 EL1 516.5 EL2 226.0 ALF 125.94

LAUNCH DATE APR 18 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 5 1967

HELIOCENTRIC CONIC

DISTANCE 143.138

RL 150.20 LAL -.00 LOL 207.28 VL 16.743 GAL 30.74 AZL 89.17 MCA 40.07 SMA 89.26 ECC .77818 INC .8291 V1 29.665
 RP 108.53 LAP .53 LOP 247.35 VP 30.965 GAP -49.97 AZP 89.37 TAL 169.68 TAP 209.75 RCA 19.80 APO 158.72 V2 34.917
 RC 88.632 GL .69 GP 2.81 ZAL 62.13 ZAP 32.28 ETS 187.58 ZAE 132.38 ETE 177.11 ZAC 157.96 ETC 54.10 CLP 32.17

PLANETOCENTRIC CONIC

C3 298.476 VHL 17.276 DLA 13.79 RAL 147.67 RAD 6571.7 VEL 20.489 PTH 3.16 VMP 28.295 DPA 27.24 RAP 100.46 ECC 5.9122
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 41 50 3231.19 -25.65 112.92 57.54 77.58 6 35 41 2631.2 -27.11 104.56
 90.00 21 16 3 4989.04 22.51 218.87 45.03 72.35 22 39 12 4389.0 19.88 211.18
 100.00 7 10 27 2945.41 -27.41 92.33 57.97 77.58 7 59 32 2345.4 -28.84 83.83
 100.00 22 30 7 4750.05 24.22 200.70 44.43 71.92 23 49 17 4150.0 21.52 192.94
 110.00 8 35 0 2680.83 -32.07 73.43 59.16 77.49 9 19 41 2080.8 -33.46 64.47
 110.00 23 22 3 4587.39 28.74 186.65 42.71 70.65 24 38 30 3987.4 25.83 178.68

DIFFERENTIAL CORRECTIONS

TOE .8625 TRA-2.3491 TC3 -.1302 BAU .5198
 RDE-1.3159 RRA -.6394 RC3 .0038 FAU .01104
 FDE -.3497 FRA .8471 FC3 -.0320 BSP 2431
 BDE 1.5734 BRA 2.4345 BC3 .1303 FSP -62

MID-COURSE EXECUTION ACCURACY

SGT 963.2 SGR 488.2 SG3 28.6
 RRT .0944 RRF -.0868 RTF -.6762
 SGB 1079.8 R23 -.0012 R13 -.6766
 SGI 964.7 SG2 485.2 THA 3.67

ORBIT DETERMINATION ACCURACY

ST 374.0 SR 441.3 SS 354.2
 CRT -.6608 CRS -.7027 CST .9966
 LSA 623.3 MSA 267.2 SSA 15.1
 EL1 528.9 EL2 234.2 ALF 127.95

LAUNCH DATE APR 18 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 7 1967

HELIOCENTRIC CONIC

DISTANCE 148.691

RL 150.20 LAL -.00 LOL 207.28 VL 17.424 GAL 29.36 AZL 89.49 MCA 43.25 SMA 90.68 ECC .75342 INC .5063 V1 29.665
 RP 108.57 LAP .35 LOP 250.53 VP 31.325 GAP -47.88 AZP 89.63 TAL 168.76 TAP 212.01 RCA 22.36 APO 159.00 V2 34.905
 RC 86.259 GL .46 GP 2.88 ZAL 60.89 ZAP 30.86 ETS 187.92 ZAE 132.47 ETE 176.64 ZAC 156.77 ETC 50.90 CLP 30.74

PLANETOCENTRIC CONIC

C3 274.533 VHL 16.569 DLA 13.16 RAL 148.80 RAD 6571.6 VEL 19.896 PTH 3.13 VMP 27.307 DPA 27.27 RAP 102.43 ECC 5.5181
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 51 52 3198.95 -26.11 110.67 57.67 78.62 6 45 11 2598.9 -27.41 102.25
 90.00 21 14 59 5000.63 22.74 219.64 45.58 72.66 22 38 20 4400.6 20.16 211.92
 100.00 7 20 3 2914.53 -27.84 90.14 58.06 78.65 8 8 38 2314.5 -29.12 81.57
 100.00 22 29 29 4760.28 24.43 201.38 44.99 72.22 23 48 49 4160.3 21.77 193.60
 110.00 8 43 42 2652.79 -32.47 71.34 59.13 78.67 9 27 55 2052.8 -33.69 62.32
 110.00 23 22 20 4594.78 28.91 187.16 43.32 70.91 24 38 54 3994.8 26.03 179.16

DIFFERENTIAL CORRECTIONS

TOE .8782 TRA-2.3723 TC3 -.1302 BAU .5075
 RDE-1.2670 RRA -.6336 RC3 .0049 FAU .01109
 FDE -.3679 FRA .8756 FC3 -.0350 BSP 2374
 BDE 1.5405 BRA 2.4554 BC3 .1303 FSP -67

MID-COURSE EXECUTION ACCURACY

SGT 1005.6 SGR 492.8 SG3 30.7
 RRT .0996 RRF -.0920 RTF -.6923
 SGB 1119.8 R23 -.0017 R13 -.6926
 SGI 1007.2 SG2 489.6 THA 3.66

ORBIT DETERMINATION ACCURACY

ST 394.8 SR 443.3 SS 372.3
 CRT -.6611 CRS -.7068 CST .9964
 LSA 645.4 MSA 272.4 SSA 15.3
 EL1 541.9 EL2 242.3 ALF 130.02

LAUNCH DATE APR 18 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 9 1967

HELIOCENTRIC CONIC

DISTANCE 154.355

RL 150.20 LAL -.00 LOL 207.28 VL 18.068 GAL 28.07 AZL 89.78 MCA 46.42 SMA 92.12 ECC .72870 INC .2190 V1 29.665
 RP 108.60 LAP .16 LOP 253.71 VP 31.675 GAP -45.89 AZP 89.85 TAL 167.85 TAP 214.27 RCA 24.99 APO 159.24 V2 34.894
 RC 83.901 GL .22 GP 2.96 ZAL 59.69 ZAP 29.46 ETS 188.30 ZAE 132.63 ETE 176.15 ZAC 155.49 ETC 48.00 CLP 29.32

PLANETOCENTRIC CONIC

C3 252.566 VHL 15.892 DLA 12.52 RAL 149.87 RAD 6571.5 VEL 19.336 PTH 3.10 VMP 26.349 DPA 27.28 RAP 104.42 ECC 5.1566
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 1 37 3166.21 -28.52 108.36 57.67 79.70 6 54 24 2566.2 -27.68 99.89
 90.00 21 13 46 5011.59 22.96 220.37 46.04 72.96 22 37 17 4411.6 20.41 212.62
 100.00 7 29 24 2883.12 -28.24 87.89 58.02 79.77 8 17 27 2283.1 -29.36 79.27
 100.00 22 28 40 4769.92 24.63 202.03 45.48 72.50 23 48 10 4169.9 22.00 194.22
 110.00 8 52 10 2624.16 -32.83 69.18 58.98 79.90 9 35 54 2024.2 -33.88 60.10
 110.00 23 22 24 4601.64 29.06 187.64 43.85 71.15 24 39 6 4001.6 26.21 179.61

DIFFERENTIAL CORRECTIONS

TOE .8895 TRA-2.3953 TC3 -.1463 BAU .4945
 RDE-1.2183 RRA -.6266 RC3 .0062 FAU .01116
 FDE -.3864 FRA .9046 FC3 -.0382 BSP 2726
 BDE 1.5084 BRA 2.4759 BC3 .1463 FSP -73

MID-COURSE EXECUTION ACCURACY

SGT 1049.6 SGR 496.8 SG3 33.0
 RRT .1049 RRF -.0975 RTF -.7078
 SGB 1161.2 R23 -.0022 R13 -.7082
 SGI 1051.3 SG2 493.3 THA 3.65

ORBIT DETERMINATION ACCURACY

ST 416.5 SR 444.7 SS 390.8
 CRT -.6611 CRS -.7105 CST .9962
 LSA 668.4 MSA 277.2 SSA 15.5
 EL1 555.5 EL2 250.1 ALF 132.17

LAUNCH DATE APR 18 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 11 1967

HELIOCENTRIC CONIC

DISTANCE 180.124

RL 150.20 LAL -.00 LOL 207.28 VL 18.674 GAL 26.87 AZL 90.04 MCA 49.60 SMA 93.57 ECC .70414 INC .0357 V1 29.665
 RP 108.64 LAP -.03 LOP 256.88 VP 32.013 GAP -43.99 AZP 90.02 TAL 166.94 TAP 216.54 RCA 27.68 APO 159.45 V2 34.883
 RC 81.561 GL -.04 GP 3.05 ZAL 58.53 ZAP 28.08 ETS 188.73 ZAE 132.85 ETE 175.61 ZAC 154.14 ETC 45.38 CLP 27.93

PLANETOCENTRIC CONIC

C3 232.398 VHL 15.245 DLA 11.87 RAL 150.88 RAD 6571.3 VEL 18.807 PTH 3.07 VMP 25.420 DPA 27.28 RAP 106.43 ECC 4.8247
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 11 8 3132.93 -26.91 108.00 57.56 80.83 7 3 21 2532.9 -27.90 97.48
 90.00 21 12 21 5021.95 23.17 221.06 46.42 73.25 22 36 3 4422.0 20.65 213.29
 100.00 7 38 31 2851.13 -28.61 85.58 57.87 80.93 8 26 2 2251.1 -29.56 76.91
 100.00 22 27 40 4778.99 24.81 202.64 45.87 72.77 23 47 19 4179.0 22.22 194.80
 110.00 9 0 24 2594.90 -33.16 66.96 58.70 81.18 9 43 39 1994.9 -34.02 57.83
 110.00 23 22 16 4607.98 29.20 188.08 44.28 71.38 24 39 4 4008.0 26.38 180.03

DIFFERENTIAL CORRECTIONS

TOE .9020 TRA-2.4181 TC3 -.1546 BAU .4810
 RDE-1.1698 RRA -.6185 RC3 .0076 FAU .01124
 FDE -.4054 FRA .9341 FC3 -.0419 BSP 2884
 BDE 1.4772 BRA 2.4960 BC3 .1548 FSP -80

MID-COURSE EXECUTION ACCURACY

SGT 1095.3 SGR 500.3 SG3 35.4
 RRT .1106 RRF -.1033 RTF -.7227
 SGB 1204.2 R23 -.0028 R13 -.7231
 SGI 1097.1 SG2 496.4 THA 3.64

ORBIT DETERMINATION ACCURACY

ST 439.0 SR 445.4 SS 409.8
 CRT -.6608 CRS -.7138 CST .9960
 LSA 692.5 MSA 281.5 SSA 15.6
 EL1 569.9 EL2 257.5 ALF 134.38

LAUNCH DATE APR 18 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 13 1967

HELIOCENTRIC CONIC

DISTANCE 165.991

RL 150.20 LAL -.00 LOL 207.28 VL 19.247 GAL 25.73 AZL 90.27 MCA 52.77 SMA 95.02 ECC .67983 INC .2719 V1 29.665
 RP 108.67 LAP -.22 LOP 260.05 VP 32.339 GAP -42.18 AZP 90.16 TAL 166.04 TAP 218.81 RCA 30.42 APO 159.62 V2 34.872
 RC 79.241 GL -.32 GP 3.15 ZAL 57.42 ZAP 26.73 ETS 189.22 ZAE 133.14 ETE 175.02 ZAC 152.72 ETC 43.01 CLP 26.55

PLANETOCENTRIC CONIC

C3 213.869 VHL 14.602 DLA 11.22 RAL 151.84 RAD 6571.2 VEL 18.308 PTH 3.03 VMP 24.518 DPA 27.25 RAP 108.46 ECC 4.5197
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 20 25 3099.06 -27.25 103.58 57.32 81.99 7 12 4 2499.1 -28.08 95.02
 90.00 21 10 46 5031.72 23.36 221.71 46.72 73.52 22 34 37 4431.7 20.88 213.91
 100.00 7 47 24 2818.52 -28.93 83.22 57.59 82.14 8 34 22 2218.5 -29.72 74.50
 100.00 22 26 28 4787.49 24.98 203.22 46.18 73.03 23 46 15 4187.5 22.42 195.36
 110.00 9 8 25 2564.98 -33.45 64.68 58.30 82.50 9 51 10 1965.0 -34.12 55.50
 110.00 23 21 56 4613.80 29.32 188.48 44.63 71.59 24 38 49 4013.8 26.53 180.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .9141 TRA-2.4402 TC3 -.1630 BAU .4669 SGT 1142.6 SGR 503.1 SG3 38.1 ST 462.6 SR 445.4 SS 429.4
 ROE-1.1216 RRA -.6094 RC3 .0093 FAU .01134 RRT .1164 RRF -.1094 RTF -.7370 CRT -.6602 CRS -.7167 CST .9957
 FDE -.4249 FRA .9643 FC3 -.0459 BSP 3055 SGB 1248.5 R23 -.0035 R13 -.7374 LSA 717.7 MSA 285.3 SSA 15.8
 BDE 1.4469 BRA 2.5151 BC3 .1633 FSP -87 SG1 1144.5 SG2 498.8 TMA 3.62 EL1 585.2 EL2 264.5 ALF 136.63

LAUNCH DATE APR 18 1967

FLIGHT TIME 88.00

ARRIVAL DATE JUL 15 1967

HELIOCENTRIC CONIC

DISTANCE 171.950

RL 150.20 LAL -.00 LOL 207.28 VL 19.787 GAL 24.66 AZL 90.49 MCA 55.94 SMA 96.48 ECC .65588 INC .4879 V1 29.665
 RP 108.70 LAP -.40 LOP 263.22 VP 32.653 GAP -40.45 AZP 90.27 TAL 165.16 TAP 221.10 RCA 33.20 APO 159.75 V2 34.862
 RC 76.944 GL -.63 GP 3.26 ZAL 56.35 ZAP 25.39 ETS 189.77 ZAE 133.50 ETE 174.39 ZAC 151.24 ETC 40.86 CLP 25.20

PLANETOCENTRIC CONIC

C3 196.839 VHL 14.030 DLA 10.56 RAL 152.75 RAD 6571.1 VEL 17.837 PTH 2.99 VMP 23.644 DPA 27.21 RAP 110.50 ECC 4.2395
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 29 27 3064.56 -27.55 101.10 56.97 83.20 7 20 32 2464.6 -28.21 92.50
 90.00 21 8 58 5040.93 23.53 222.33 46.92 73.78 22 32 59 4440.9 21.09 214.51
 100.00 7 56 4 2785.26 -29.22 80.78 57.19 83.39 8 42 29 2185.3 -29.83 72.03
 100.00 22 25 3 4795.47 25.14 203.76 46.40 73.27 23 44 59 4195.5 22.61 195.87
 110.00 9 16 14 2534.36 -33.70 62.32 57.77 83.87 9 58 29 1934.4 -34.18 53.11
 110.00 23 21 22 4619.13 29.44 188.86 44.88 71.79 24 38 21 4019.1 26.67 180.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .9261 TRA-2.4611 TC3 -.1715 BAU .4522 SGT 1191.5 SGR 505.2 SG3 40.9 ST 487.2 SR 444.8 SS 449.5
 ROE-1.0737 RRA -.5994 RC3 .0112 FAU .01145 RRT .1222 RRF -.1158 RTF -.7509 CRT -.6597 CRS -.7195 CST .9954
 FDE -.4450 FRA .9951 FC3 -.0504 BSP 3243 SGB 1294.2 R23 -.0044 R13 -.7513 LSA 744.2 MSA 288.5 SSA 16.0
 BDE 1.4179 BRA 2.5330 BC3 .1718 FSP -95 SG1 1193.5 SG2 500.6 TMA 3.60 EL1 601.6 EL2 270.7 ALF 138.93

LAUNCH DATE APR 18 1967

FLIGHT TIME 90.00

ARRIVAL DATE JUL 17 1967

HELIOCENTRIC CONIC

DISTANCE 177.995

RL 150.20 LAL -.00 LOL 207.28 VL 20.297 GAL 23.64 AZL 90.69 MCA 59.11 SMA 97.93 ECC .63234 INC .6876 V1 29.665
 RP 108.73 LAP -.59 LOP 266.39 VP 32.954 GAP -38.79 AZP 90.35 TAL 164.29 TAP 223.40 RCA 36.01 APO 159.86 V2 34.853
 RC 74.673 GL -.95 GP 3.37 ZAL 55.33 ZAP 24.07 ETS 190.40 ZAE 133.94 ETE 173.71 ZAC 149.71 ETC 38.91 CLP 23.85

PLANETOCENTRIC CONIC

C3 181.183 VHL 13.460 DLA 9.89 RAL 153.61 RAD 6570.9 VEL 17.393 PTH 2.96 VMP 22.795 DPA 27.14 RAP 112.56 ECC 3.9818
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 38 17 3029.39 -27.81 98.56 56.49 84.45 7 28 47 2429.4 -28.29 89.93
 90.00 21 6 59 5049.62 23.70 222.91 47.04 74.03 22 31 8 4449.6 21.28 215.07
 100.00 8 4 31 2751.30 -29.46 78.29 56.67 84.68 8 50 22 2151.3 -29.88 69.51
 100.00 22 23 26 4802.94 25.29 204.26 46.54 73.50 23 43 29 4202.9 22.78 196.36
 110.00 9 23 51 2503.02 -33.90 59.89 57.13 85.30 10 5 34 1903.0 -34.18 50.66
 110.00 23 20 35 4623.98 29.54 189.20 45.05 71.96 24 37 39 4024.0 26.79 181.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .9343 TRA-2.4841 TC3 -.1806 BAU .4386 SGT 1243.6 SGR 506.8 SG3 43.9 ST 511.9 SR 443.5 SS 470.1
 ROE-1.0263 RRA -.5887 RC3 .0134 FAU .01157 RRT .1297 RRF -.1231 RTF -.7638 CRT -.6571 CRS -.7214 CST .9949
 FDE -.4653 FRA 1.0270 FC3 -.0553 BSP 3363 SGB 1342.9 R23 -.0048 R13 -.7642 LSA 771.0 MSA 291.6 SSA 16.2
 BDE 1.3879 BRA 2.5529 BC3 .1811 FSP -102 SG1 1245.7 SG2 501.7 TMA 3.61 EL1 618.1 EL2 276.8 ALF 141.18

LAUNCH DATE APR 18 1967

FLIGHT TIME 92.00

ARRIVAL DATE JUL 19 1967

HELIOCENTRIC CONIC

DISTANCE 184.121

RL 150.20 LAL -.00 LOL 207.28 VL 20.777 GAL 22.67 AZL 90.87 MCA 62.28 SMA 99.38 ECC .60929 INC .8746 V1 29.665
 RP 108.76 LAP -.77 LOP 269.56 VP 33.243 GAP -37.20 AZP 90.41 TAL 163.43 TAP 225.71 RCA 38.83 APO 159.93 V2 34.844
 RC 72.433 GL -1.30 GP 3.49 ZAL 54.36 ZAP 22.78 ETS 191.13 ZAE 134.45 ETE 172.96 ZAC 148.14 ETC 37.15 CLP 22.52

PLANETOCENTRIC CONIC

C3 166.793 VHL 12.915 DLA 9.22 RAL 154.41 RAD 6570.8 VEL 16.974 PTH 2.92 VMP 21.970 DPA 27.06 RAP 114.63 ECC 3.7450
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 46 55 2993.49 -28.02 95.96 55.90 85.74 7 36 49 2393.5 -28.32 87.30
 90.00 21 4 46 5057.84 23.85 223.46 47.08 74.27 22 29 3 4457.8 21.46 215.61
 100.00 8 12 46 2716.60 -29.65 75.73 56.03 86.02 8 58 3 2116.6 -29.89 66.93
 100.00 22 21 36 4809.96 25.42 204.74 46.58 73.72 23 41 46 4210.0 22.95 196.82
 110.00 9 31 17 2470.92 -34.05 57.40 56.36 86.76 10 12 28 1870.9 -34.12 48.15
 110.00 23 19 34 4628.40 29.63 189.51 45.12 72.13 24 36 43 4028.4 26.91 181.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .9314 TRA-2.5169 TC3 -.1923 BAU .4303 SGT 1302.7 SGR 507.8 SG3 47.2 ST 534.9 SR 441.5 SS 490.5
 ROE-1.9795 RRA -.5775 RC3 .0158 FAU .01164 RRT .1417 RRF -.1323 RTF -.7745 CRT -.6485 CRS -.7217 CST .9939
 FDE -.4848 FRA 1.0613 FC3 -.0604 BSP 3237 SGB 1398.2 R23 -.0034 R13 -.7749 LSA 796.2 MSA 295.7 SSA 16.4
 BDE 1.3516 BRA 2.5823 BC3 .1930 FSP -107 SG1 1305.1 SG2 501.8 TMA 3.71 EL1 632.7 EL2 284.1 ALF 143.29

LAUNCH DATE APR 18 1967

FLIGHT TIME 94.00

ARRIVAL DATE JUL 21 1967

HELIOCENTRIC CONIC

DISTANCE 190.324

RL 150.20 LAL -0.00 LOL 207.28 VL 21.231 GAL 21.75 AZL 91.05 MCA 65.45 SMA 100.82 ECC .58679 INC 1.0508 V1 29.665
 RP 108.79 LAP -.96 LOP 272.73 VP 33.519 GAP -35.68 AZP 90.44 TAL 162.59 TAP 228.04 RCA 41.66 APO 159.97 V2 34.835
 RC 70.227 GL -1.67 GP 3.63 ZAL 53.42 ZAP 21.50 ETS 191.97 ZAE 135.05 ETE 172.15 ZAC 146.53 ETC 35.55 CLP 21.20

PLANETOCENTRIC CONIC

C3 153.577 VHL 12.393 DLA 8.53 RAL 155.17 RAD 6570.7 VEL 16.580 PTH 2.88 VHP 21.170 DPA 26.96 RAP 116.70 ECC 3.5275
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 55 22 2956.83 -28.18 93.29 55.19 87.07 7 44 39 2356.8 -28.29 84.62
 90.00 21 2 19 5065.67 24.00 225.99 47.03 74.50 22 26 44 4465.7 21.64 216.12
 100.00 8 20 51 2681.12 -29.79 73.10 55.28 87.39 9 5 32 2081.1 -29.83 64.29
 100.00 22 19 31 4816.61 25.55 205.20 46.54 73.93 23 39 48 4216.6 23.10 197.25
 110.00 9 38 32 2438.03 -34.15 54.84 55.48 88.28 10 19 10 1838.0 -34.01 45.59
 110.00 23 18 20 4632.46 29.72 189.79 45.11 72.28 24 35 32 4032.5 27.01 181.65

DIFFERENTIAL CORRECTIONS

TDE .8842 TRA-2.5923 TC3 -.2159 BAU .4450
 RDE -.9343 RRA -.5667 RC3 .0183 FAU .01144
 FDE -.4988 FRA 1.1027 FC3 -.0645 BSP 2072
 BDE 1.2864 BRA 2.6536 BC3 .2167 FSP -100

MID-COURSE EXECUTION ACCURACY

SGT 1386.5 SGR 508.8 SG3 50.7
 RRT .1705 RRF -.1480 RTF -.7785
 SGB 1478.9 R23 .0047 R13 -.7787
 SGI 1389.6 SG2 500.2 THA 4.11

ORBIT DETERMINATION ACCURACY

ST 547.3 SR 439.2 SS 508.0
 CRT -.6145 CRS -.7158 CST .9897
 LSA 810.2 MSA 306.4 SSA 17.0
 EL1 635.1 EL2 298.7 ALF 144.92

LAUNCH DATE APR 18 1967

FLIGHT TIME 96.00

ARRIVAL DATE JUL 23 1967

HELIOCENTRIC CONIC

DISTANCE 196.582

RL 150.20 LAL -0.00 LOL 207.28 VL 21.658 GAL 20.86 AZL 91.22 MCA 68.61 SMA 102.24 ECC .56481 INC 1.2182 V1 29.665
 RP 108.81 LAP -1.13 LOP 275.89 VP 33.783 GAP -34.21 AZP 90.44 TAL 161.77 TAP 230.38 RCA 44.49 APO 159.98 V2 34.827
 RC 68.060 GL -2.07 GP 3.78 ZAL 52.54 ZAP 20.23 ETS 192.95 ZAE 135.72 ETE 171.25 ZAC 144.88 ETC 34.09 CLP 19.89

PLANETOCENTRIC CONIC

C3 141.366 VHL 11.890 DLA 7.83 RAL 155.86 RAD 6570.5 VEL 16.208 PTH 2.85 VHP 20.391 DPA 26.85 RAP 118.79 ECC 3.3265
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 3 36 2919.35 -28.28 90.55 54.36 88.44 7 52 15 2319.4 -28.19 81.89
 90.00 20 59 36 5073.01 24.13 224.49 46.87 74.71 22 24 9 4473.0 21.80 216.59
 100.00 8 28 43 2844.83 -29.87 70.40 54.41 88.81 9 12 48 2044.8 -29.72 61.60
 100.00 22 17 11 4822.76 25.66 205.62 46.40 74.12 23 37 33 4222.8 23.24 197.66
 110.00 9 45 34 2404.31 -34.18 52.20 54.47 89.84 10 25 39 1804.3 -33.83 42.98
 110.00 23 18 49 4636.04 29.79 190.05 45.00 72.41 24 34 5 4036.0 27.10 181.89

DIFFERENTIAL CORRECTIONS

TDE .9951 TRA-2.5062 TC3 -.1969 BAU .3745
 RDE -.8858 RRA -.5518 RC3 .0220 FAU .01231
 FDE -.5364 FRA 1.1226 FC3 -.0754 BSP 4728
 BDE 1.3322 BRA 2.5662 BC3 .1982 FSP -141

MID-COURSE EXECUTION ACCURACY

SGT 1391.2 SGR 506.9 SG3 54.4
 RRT .1389 RRF -.1427 RTF -.8050
 SGB 1480.7 R23 -.0144 R13 -.8054
 SGI 1393.2 SG2 501.3 THA 3.33

ORBIT DETERMINATION ACCURACY

ST 603.2 SR 434.4 SS 539.3
 CRT -.6608 CRS -.7306 CST .9954
 LSA 870.9 MSA 291.1 SSA 16.3
 EL1 687.2 EL2 283.5 ALF 148.28

LAUNCH DATE APR 18 1967

FLIGHT TIME 98.00

ARRIVAL DATE JUL 25 1967

HELIOCENTRIC CONIC

DISTANCE 202.913

RL 150.20 LAL -0.00 LOL 207.28 VL 22.060 GAL 20.02 AZL 91.38 MCA 71.78 SMA 103.64 ECC .54348 INC 1.3785 V1 29.665
 RP 108.83 LAP -1.31 LOP 279.06 VP 34.035 GAP -32.81 AZP 90.43 TAL 160.97 TAP 232.75 RCA 47.32 APO 159.97 V2 34.820
 RC 65.936 GL -2.50 GP 3.94 ZAL 51.70 ZAP 18.99 ETS 194.10 ZAE 136.48 ETE 170.27 ZAC 143.19 ETC 32.77 CLP 18.59

PLANETOCENTRIC CONIC

C3 130.182 VHL 11.410 DLA 7.12 RAL 156.50 RAD 6570.4 VEL 15.859 PTH 2.81 VHP 19.636 DPA 26.72 RAP 120.88 ECC 3.1425
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 11 42 2881.03 -28.32 87.75 53.43 89.84 7 59 43 2281.0 -28.04 79.09
 90.00 20 56 39 5080.16 24.26 224.97 46.65 74.92 22 21 19 4480.2 21.95 217.06
 100.00 8 36 27 2607.68 -29.89 67.64 53.43 90.26 9 19 54 2007.7 -29.53 58.86
 100.00 22 14 35 4828.74 25.77 206.03 46.19 74.31 23 35 4 4228.7 23.37 198.05
 110.00 9 52 28 2369.75 -34.16 49.50 53.35 91.43 10 31 58 1769.7 -33.58 40.31
 110.00 23 15 2 4639.44 29.86 190.29 44.81 72.54 24 32 22 4039.4 27.18 182.12

DIFFERENTIAL CORRECTIONS

TDE .9913 TRA-2.5338 TC3 -.2080 BAU .3647
 RDE -.8406 RRA -.5391 RC3 .0255 FAU .01245
 FDE -.5588 FRA 1.1597 FC3 -.0828 BSP 4648
 BDE 1.2997 BRA 2.5905 BC3 .2096 FSP -149

MID-COURSE EXECUTION ACCURACY

SGT 1455.1 SGR 506.0 SG3 58.5
 RRT .1522 RRF -.1537 RTF -.8142
 SGB 1540.5 R23 -.0134 R13 -.8147
 SGI 1457.4 SG2 499.3 THA 3.43

ORBIT DETERMINATION ACCURACY

ST 629.3 SR 430.0 SS 562.1
 CRT -.6603 CRS -.7302 CST .9945
 LSA 900.3 MSA 293.2 SSA 16.5
 EL1 705.7 EL2 287.9 ALF 150.29

LAUNCH DATE APR 18 1967

FLIGHT TIME 100.00

ARRIVAL DATE JUL 27 1967

HELIOCENTRIC CONIC

DISTANCE 209.302

RL 150.20 LAL -0.00 LOL 207.28 VL 22.439 GAL 19.22 AZL 91.53 MCA 74.94 SMA 105.03 ECC .52278 INC 1.5329 V1 29.665
 RP 108.85 LAP -1.48 LOP 282.22 VP 34.275 GAP -31.46 AZP 90.40 TAL 160.20 TAP 235.14 RCA 50.12 APO 159.93 V2 34.813
 RC 63.861 GL -2.97 GP 4.11 ZAL 50.91 ZAP 17.77 ETS 195.46 ZAE 137.32 ETE 169.19 ZAC 141.48 ETC 31.56 CLP 17.30

PLANETOCENTRIC CONIC

C3 119.901 VHL 10.950 DLA 6.39 RAL 157.09 RAD 6570.2 VEL 15.532 PTH 2.77 VHP 18.903 DPA 26.58 RAP 122.97 ECC 2.9733
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 19 38 2841.81 -28.29 84.88 52.39 91.28 8 7 0 2241.8 -27.81 76.25
 90.00 20 53 24 5087.11 24.38 225.45 46.34 75.13 22 18 11 4487.1 22.10 217.52
 100.00 8 44 1 2569.65 -29.85 64.82 52.34 91.75 9 26 51 1969.6 -29.28 56.06
 100.00 22 11 42 4834.51 25.88 206.42 45.89 74.49 23 32 17 4234.5 23.50 198.43
 110.00 9 59 13 2334.31 -34.06 46.74 52.13 93.07 10 38 8 1734.3 -33.26 37.59
 110.00 23 12 59 4642.62 29.93 190.51 44.54 72.65 24 30 22 4042.6 27.86 182.33

DIFFERENTIAL CORRECTIONS

TDE .9949 TRA-2.5518 TC3 -.2167 BAU .3505
 RDE -.7957 RRA -.5260 RC3 .0295 FAU .01267
 FDE -.5832 FRA 1.1970 FC3 -.0915 BSP 4763
 BDE 1.2740 BRA 2.6032 BC3 .2187 FSP -161

MID-COURSE EXECUTION ACCURACY

SGT 1516.9 SGR 504.2 SG3 62.9
 RRT .1630 RRF -.1645 RTF -.8242
 SGB 1598.5 R23 -.0142 R13 -.8246
 SGI 1519.4 SG2 496.7 THA 3.47

ORBIT DETERMINATION ACCURACY

ST 658.5 SR 424.6 SS 586.4
 CRT -.6556 CRS -.7304 CST .9938
 LSA 933.5 MSA 293.5 SSA 16.7
 EL1 727.9 EL2 290.1 ALF 152.33

LAUNCH DATE APR 18 1967

FLIGHT TIME 102.00

ARRIVAL DATE JUL 29 1967

HELIOCENTRIC CONIC

DISTANCE 215.744
 RL 150.20 LAL -.00 LOL 207.28 VL 22.797 GAL 18.45 AZL 91.68 HCA 78.10 SMA 106.39 ECC .50275 INC 1.6828 V1 29.665
 RP 108.87 LAP -1.65 LOP 285.38 VP 34.504 GAP -30.16 AZP 90.35 TAL 159.44 TAP 237.54 RCA 52.90 APO 159.87 V2 34.807
 RC 61.839 GL -3.46 GP 4.30 ZAL 50.16 ZAP 16.57 ETS 197.07 ZAE 138.25 ETE 167.99 ZAC 139.74 ETC 30.46 CLP 16.01

PLANETOCENTRIC CONIC

C3 110.456 VML 10.510 DLA 5.65 RAL 157.63 RAD 6570.1 VEL 15.225 PTH 2.73 VMP 18.191 DPA 26.42 RAP 125.07 ECC 2.8178
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 27 27 2801.67 -28.19 81.95 51.25 92.75 8 14 9 2201.7 -27.51 73.35
 90.00 20 49 51 5093.98 24.50 225.92 45.94 75.33 22 14 45 4494.0 22.24 217.97
 100.00 8 51 28 2530.70 -29.73 61.93 51.16 93.27 9 33 39 1930.7 -28.96 53.21
 100.00 22 8 31 4840.19 25.98 206.81 45.50 74.67 23 29 11 4240.2 23.63 198.81
 110.00 10 5 49 2297.97 -33.89 43.91 50.81 94.73 10 44 7 1698.0 -32.87 34.83
 110.00 23 10 39 4645.67 29.99 190.73 44.18 72.77 24 28 4 4045.7 27.34 182.54

DIFFERENTIAL CORRECTIONS

TOE .9988 TRA-2.5668 TC3 -.2247 BAU .3356 MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 RDE -.7515 RRA -.5127 RC3 .0339 FAU .01292 SGT 1580.1 SGR 501.8 SG3 67.7 ST 688.9 SR 418.3 SS 611.9
 FDE -.6092 FRA 1.2355 FC3 -.1013 BSP 4909 RRT .1742 RRF -.1761 RTF -.8337 CRT -.6509 CRS -.7304 CST .9932
 BDE 1.2499 BRA 2.6175 BC3 .2273 FSP -173 SGB 1657.9 R23 -.0154 R13 -.8341 LSA 968.4 MSA 293.0 SSA 16.8
 SG1 1582.8 SG2 493.3 THA 3.51 EL1 751.6 EL2 291.1 ALF 154.31

LAUNCH DATE APR 18 1967

FLIGHT TIME 104.00

ARRIVAL DATE JUL 31 1967

HELIOCENTRIC CONIC

DISTANCE 222.234
 RL 150.20 LAL -.00 LOL 207.28 VL 23.133 GAL 17.71 AZL 91.83 HCA 81.26 SMA 107.72 ECC .48340 INC 1.8292 V1 29.665
 RP 108.89 LAP -1.81 LOP 288.54 VP 34.722 GAP -28.90 AZP 90.28 TAL 158.71 TAP 239.97 RCA 55.65 APO 159.79 V2 34.802
 RC 59.876 GL -4.00 GP 4.51 ZAL 49.47 ZAP 15.39 ETS 198.99 ZAE 139.28 ETE 166.65 ZAC 137.98 ETC 29.46 CLP 14.73

PLANETOCENTRIC CONIC

C3 101.785 VML 10.089 DLA 4.88 RAL 158.10 RAD 6570.0 VEL 14.937 PTH 2.69 VMP 17.500 DPA 26.26 RAP 127.17 ECC 2.6751
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 35 9 2760.57 -28.02 78.95 50.01 94.24 8 21 9 2160.6 -27.14 70.40
 90.00 20 45 58 5100.86 24.61 226.39 45.47 75.54 22 10 59 4500.9 22.39 218.42
 100.00 8 58 47 2490.79 -29.54 58.97 49.87 94.81 9 40 18 1890.8 -28.56 50.31
 100.00 22 5 1 4845.87 26.08 207.21 45.04 74.86 23 25 46 4245.9 23.75 199.18
 110.00 10 12 18 2260.71 -33.65 41.03 49.40 96.42 10 49 58 1660.7 -32.39 32.02
 110.00 23 7 59 4648.71 30.05 190.94 43.74 72.88 24 25 28 4048.7 27.41 182.74

DIFFERENTIAL CORRECTIONS

TOE 1.0026 TRA-2.5798 TC3 -.2323 BAU .3205 MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 RDE -.7078 RRA -.4994 RC3 .0389 FAU .01320 SGT 1645.0 SGR 498.8 SG3 72.8 ST 720.4 SR 410.9 SS 638.4
 FDE -.6366 FRA 1.2755 FC3 -.1123 BSP 5065 RRT .1863 RRF -.1889 RTF -.8428 CRT -.6460 CRS -.7300 CST .9926
 BDE 1.2272 BRA 2.6277 BC3 .2355 FSP -187 SGB 1719.0 R23 -.0169 R13 -.8433 LSA 1005.0 MSA 291.8 SSA 16.9
 SG1 1647.9 SG2 489.2 THA 3.55 EL1 776.6 EL2 291.0 ALF 156.24

LAUNCH DATE APR 18 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 2 1967

HELIOCENTRIC CONIC

DISTANCE 228.767
 RL 150.20 LAL -.00 LOL 207.28 VL 23.449 GAL 17.01 AZL 91.97 HCA 84.42 SMA 109.03 ECC .46473 INC 1.9731 V1 29.665
 RP 108.90 LAP -1.96 LOP 291.71 VP 34.929 GAP -27.69 AZP 90.19 TAL 158.01 TAP 242.43 RCA 58.36 APO 159.69 V2 34.797
 RC 57.979 GL -4.57 GP 4.74 ZAL 48.83 ZAP 14.25 ETS 201.32 ZAE 140.39 ETE 165.14 ZAC 136.20 ETC 28.53 CLP 13.45

PLANETOCENTRIC CONIC

C3 93.827 VML 9.686 DLA 4.10 RAL 158.52 RAD 6569.8 VEL 14.669 PTH 2.66 VMP 16.829 DPA 26.09 RAP 129.27 ECC 2.5442
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 42 44 2718.45 -27.77 75.90 48.68 95.75 8 28 2 2118.5 -26.69 67.40
 90.00 20 41 44 5107.90 24.73 226.87 44.92 75.75 22 6 52 4507.9 22.53 218.89
 100.00 9 6 0 2449.89 -29.27 55.96 48.50 96.37 9 46 50 1849.9 -28.08 47.36
 100.00 22 1 9 4851.70 26.19 207.61 44.50 75.04 23 22 1 4251.7 23.88 199.57
 110.00 10 18 39 2222.51 -33.32 38.10 47.90 98.13 10 55 41 1622.5 -31.84 29.18
 110.00 23 5 0 4651.84 30.11 191.17 43.22 73.00 24 22 32 4051.8 27.49 182.95

DIFFERENTIAL CORRECTIONS

TOE 1.0100 TRA-2.5866 TC3 -.2375 BAU .3031 MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 RDE -.6646 RRA -.4861 RC3 .0445 FAU .01354 SGT 1709.2 SGR 495.1 SG3 78.4 ST 754.2 SR 402.5 SS 666.6
 FDE -.6663 FRA 1.3164 FC3 -.1250 BSP 5328 RRT .1981 RRF -.2025 RTF -.8521 CRT -.6427 CRS -.7296 CST .9922
 BDE 1.2091 BRA 2.6319 BC3 .2416 FSP -204 SGB 1779.5 R23 -.0194 R13 -.8525 LSA 1044.7 MSA 289.4 SSA 17.0
 SG1 1712.3 SG2 484.4 THA 3.57 EL1 804.6 EL2 289.1 ALF 158.10

LAUNCH DATE APR 18 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 4 1967

HELIOCENTRIC CONIC

DISTANCE 235.340
 RL 150.20 LAL -.00 LOL 207.28 VL 23.747 GAL 16.33 AZL 92.12 HCA 87.58 SMA 110.30 ECC .44676 INC 2.1154 V1 29.665
 RP 108.92 LAP -2.11 LOP 294.87 VP 35.126 GAP -26.53 AZP 90.09 TAL 157.33 TAP 244.91 RCA 61.02 APO 159.57 V2 34.793
 RC 56.154 GL -5.19 GP 4.99 ZAL 48.24 ZAP 13.14 ETS 204.15 ZAE 141.59 ETE 163.45 ZAC 134.41 ETC 27.69 CLP 12.17

PLANETOCENTRIC CONIC

C3 86.533 VML 9.302 DLA 3.29 RAL 158.89 RAD 6569.7 VEL 14.418 PTH 2.62 VMP 16.177 DPA 25.92 RAP 131.37 ECC 2.4241
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 50 15 2675.30 -27.44 72.78 47.27 97.28 8 34 50 2075.3 -26.15 64.35
 90.00 20 37 7 5115.26 24.86 227.37 44.30 75.98 22 2 22 4515.3 22.68 219.37
 100.00 9 13 7 2407.98 -28.91 52.90 47.05 97.95 9 53 15 1808.0 -27.51 44.38
 100.00 21 56 56 4857.81 26.29 208.03 43.89 75.24 23 17 53 4257.8 24.01 199.98
 110.00 10 24 53 2183.35 -32.90 35.12 46.32 99.84 11 1 17 1583.4 -31.19 26.31
 110.00 23 1 39 4655.20 30.18 191.40 42.64 73.13 24 19 14 4055.2 27.57 183.18

DIFFERENTIAL CORRECTIONS

TOE 1.0137 TRA-2.5950 TC3 -.2433 BAU .2875 MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 RDE -.6222 RRA -.4731 RC3 .0507 FAU .01389 SGT 1777.0 SGR 490.9 SG3 84.4 ST 787.8 SR 393.1 SS 695.8
 FDE -.6972 FRA 1.3598 FC3 -.1390 BSP 5512 RRT .2125 RRF -.2182 RTF -.8604 CRT -.6369 CRS -.7282 CST .9916
 BDE 1.1894 BRA 2.6378 BC3 .2485 FSP -221 SGB 1843.6 R23 -.0216 R13 -.8609 LSA 1084.8 MSA 286.8 SSA 17.1
 SG1 1780.3 SG2 478.8 THA 3.62 EL1 832.4 EL2 286.8 ALF 159.88

LAUNCH DATE APR 18 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 6 1967

HELIOCENTRIC CONIC

DISTANCE 241.947

RL 150.20 LAL -.00 LOL 207.28 VL 24.027 GAL 15.68 AZL 92.26 MCA 90.74 SMA 111.54 ECC .42948 INC 2.2570 V1 29.665
 RP 108.93 LAP -2.26 LOP 298.03 VP 35.312 GAP -25.40 A7P 89.97 TAL 156.68 TAP 247.42 RCA 63.63 APO 159.44 V2 34.790
 RC 54.407 GL -5.85 GP 5.27 ZAL 47.71 ZAP 12.08 ETS 207.61 ZAE 142.88 ETE 161.54 ZAC 132.59 ETC 26.92 CLP 10.89

PLANETOCENTRIC CONIC

C3 79.850 VML 8.936 DLA 2.45 RAL 159.19 RAD 6569.6 VEL 14.184 PTH 2.58 VMP 15.545 DPA 25.75 RAP 133.46 ECC 2.3141
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 57 42 2631.07 -27.02 69.61 45.78 98.82 8 41 33 2031.1 -25.52 61.27
 90.00 20 32 6 5123.08 24.98 227.91 43.61 76.22 21 57 29 4523.1 22.84 219.89
 100.00 9 20 11 2365.02 -28.47 49.78 45.52 99.53 9 59 36 1765.0 -26.86 41.35
 100.00 21 52 18 4864.37 26.41 208.49 43.21 75.46 23 13 22 4264.4 24.15 200.41
 110.00 10 31 3 2143.21 -32.39 32.10 44.67 101.56 11 6 46 1543.2 -30.46 23.41
 110.00 22 57 55 4658.94 30.25 191.67 41.98 73.27 24 15 34 4058.9 27.67 183.43

DIFFERENTIAL CORRECTIONS

TDE 1.0197 TRA-2.5987 TC3 -.2469 BAU .2706
 RDE -.5802 RRA -.4605 RC3 .0575 FAU .01430
 FDE -.7308 FRA 1.4047 FC3 -.1550 BSP 5762
 BDE 1.1732 BRA 2.6392 BC3 .2535 FSP -240

MID-COURSE EXECUTION ACCURACY

SGT 1844.9 SGR 486.1 SG3 91.0
 RRT .2278 RRF -.2356 RTF -.8686
 SGB 1907.9 R23 -.0245 R13 -.8691
 SG1 1848.5 SG2 472.4 TMA 3.67

ORBIT DETERMINATION ACCURACY

ST 823.4 SR 382.5 SS 726.7
 CRT -.6316 CRS -.7264 CST .9911
 LSA 1127.8 MSA 283.2 SSA 17.2
 EL1 862.6 EL2 283.0 ALF 161.60

LAUNCH DATE APR 18 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG. 8 1967

HELIOCENTRIC CONIC

DISTANCE 248.585

RL 150.20 LAL -.00 LOL 207.28 VL 24.290 GAL 15.06 AZL 92.40 MCA 93.90 SMA 112.74 ECC .41290 INC 2.3988 V1 29.665
 RP 108.93 LAP -2.39 LOP 301.19 VP 35.489 GAP -24.31 A7P 89.84 TAL 156.06 TAP 249.96 RCA 66.19 APO 159.29 V2 34.787
 RC 52.748 GL -6.56 GP 5.58 ZAL 47.23 ZAP 11.09 ETS 211.87 ZAE 144.24 ETE 159.36 ZAC 130.76 ETC 26.21 CLP 9.60

PLANETOCENTRIC CONIC

C3 73.736 VML 8.587 DLA 1.58 RAL 159.43 RAD 6569.4 VEL 13.967 PTH 2.55 VMP 14.932 DPA 25.59 RAP 135.56 ECC 2.2135
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 5 6 2385.73 -26.50 66.39 44.23 100.35 8 48 12 1985.7 -24.81 58.14
 90.00 20 26 37 5131.57 25.12 228.49 42.85 76.48 21 52 9 4531.6 23.01 220.46
 100.00 9 27 11 2320.97 -27.93 46.62 43.93 101.11 10 5 52 1721.0 -26.11 38.29
 100.00 21 47 14 4871.55 26.53 208.98 42.47 75.69 23 8 25 4271.6 24.30 200.89
 110.00 10 37 7 2102.07 -31.79 29.04 42.97 103.28 11 12 9 1502.1 -29.64 20.49
 110.00 22 53 47 4663.22 30.34 191.98 41.27 73.43 24 11 30 4063.2 27.77 183.72

DIFFERENTIAL CORRECTIONS

TDE 1.0256 TRA-2.6003 TC3 -.2492 BAU .2539
 RDE -.5388 RRA -.4484 RC3 .0651 FAU .01474
 FDE -.7668 FRA 1.4518 FC3 -.1731 BSP 6015
 BDE 1.1585 BRA 2.6387 BC3 .2576 FSP -261

MID-COURSE EXECUTION ACCURACY

SGT 1914.2 SGR 481.0 SG3 98.1
 RRT .2451 RRF -.2552 RTF -.8765
 SGB 1973.7 R23 -.0277 R13 -.8770
 SG1 1918.0 SG2 465.4 TMA 3.75

ORBIT DETERMINATION ACCURACY

ST 860.0 SR 370.6 SS 759.3
 CRT -.6254 CRS -.7236 CST .9906
 LSA 1172.7 MSA 279.1 SSA 17.3
 EL1 894.2 EL2 278.1 ALF 163.25

LAUNCH DATE APR 18 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 10 1967

HELIOCENTRIC CONIC

DISTANCE 255.249

RL 150.20 LAL -.00 LOL 207.28 VL 24.537 GAL 14.47 AZL 92.54 MCA 97.06 SMA 113.91 ECC .39702 INC 2.5416 V1 29.665
 RP 108.94 LAP -2.52 LOP 304.35 VP 35.657 GAP -23.27 A7P 89.69 TAL 155.47 TAP 252.53 RCA 68.68 APO 159.13 V2 34.786
 RC 51.183 GL -7.33 GP 5.92 ZAL 46.81 ZAP 10.19 ETS 217.10 ZAE 145.67 ETE 156.86 ZAC 128.93 ETC 25.56 CLP 8.31

PLANETOCENTRIC CONIC

C3 68.149 VML 8.255 DLA .68 RAL 159.62 RAD 6569.3 VEL 13.766 PTH 2.51 VMP 14.338 DPA 25.43 RAP 137.65 ECC 2.1216
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 12 30 2539.21 -25.89 63.13 42.63 101.88 8 54 50 1939.2 -24.00 54.97
 90.00 20 20 40 5140.92 25.27 229.14 42.04 76.77 21 46 20 4540.9 23.20 221.08
 100.00 9 34 10 2275.81 -27.30 43.41 42.28 102.69 10 12 6 1675.8 -25.27 35.20
 100.00 21 41 41 4879.56 26.66 209.54 41.67 75.96 23 3 1 4279.6 24.47 201.43
 110.00 10 43 8 2059.92 -31.09 25.96 41.21 104.98 11 17 28 1459.9 -28.72 17.55
 110.00 22 49 12 4668.22 30.43 192.33 40.50 73.62 24 7 0 4068.2 27.89 184.06

DIFFERENTIAL CORRECTIONS

TDE 1.0316 TRA-2.5996 TC3 -.2499 BAU .2374
 RDE -.4979 RRA -.4371 RC3 .0735 FAU .01523
 FDE -.8057 FRA 1.5013 FC3 -.1934 BSP 6275
 BDE 1.1454 BRA 2.6361 BC3 .2605 FSP -284

MID-COURSE EXECUTION ACCURACY

SGT 1984.6 SGR 475.6 SG3 105.8
 RRT .2648 RRF -.2776 RTF -.8839
 SGB 2040.8 R23 -.0315 R13 -.8845
 SG1 1988.9 SG2 457.6 TMA 3.83

ORBIT DETERMINATION ACCURACY

ST 897.7 SR 357.3 SS 793.7
 CRT -.6178 CRS -.7195 CST .9901
 LSA 1219.8 MSA 274.3 SSA 17.3
 EL1 927.1 EL2 272.1 ALF 164.85

LAUNCH DATE APR 18 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 261.937

RL 150.20 LAL -.00 LOL 207.28 VL 24.768 GAL 13.90 AZL 92.69 MCA 100.22 SMA 115.04 ECC .38182 INC 2.6864 V1 29.665
 RP 108.94 LAP -2.64 LOP 307.52 VP 35.815 GAP -22.25 A7P 89.52 TAL 154.91 TAP 255.13 RCA 71.11 APO 158.96 V2 34.784
 RC 49.723 GL -8.16 GP 6.29 ZAL 46.46 ZAP 9.41 ETS 223.50 ZAE 147.14 ETE 153.98 ZAC 127.08 ETC 24.96 CLP 7.01

PLANETOCENTRIC CONIC

C3 63.050 VML 7.940 DLA -.26 RAL 159.73 RAD 6569.2 VEL 13.580 PTH 2.48 VMP 13.762 DPA 25.29 RAP 139.73 ECC 2.0376
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 19 56 2491.49 -25.18 59.81 40.97 103.40 9 1 27 1891.5 -23.09 51.77
 90.00 20 14 10 5151.38 25.43 229.86 41.18 77.10 21 40 1 4551.4 23.40 221.78
 100.00 9 41 9 2229.49 -26.56 40.17 40.59 104.24 10 18 19 1629.5 -24.34 32.07
 100.00 21 35 38 4888.61 26.81 210.17 40.82 76.26 22 57 6 4288.6 24.65 202.04
 110.00 10 49 7 2016.72 -30.29 22.85 39.42 106.66 11 22 44 1416.7 -27.71 14.60
 110.00 22 44 9 4674.14 30.55 192.76 39.68 73.85 24 2 3 4074.1 28.03 184.46

DIFFERENTIAL CORRECTIONS

TDE 1.0378 TRA-2.5968 TC3 -.2489 BAU .2211
 RDE -.4573 RRA -.4267 RC3 .0828 FAU .01576
 FDE -.8478 FRA 1.5535 FC3 -.2164 BSP 6533
 BDE 1.1341 BRA 2.6317 BC3 .2623 FSP -309

MID-COURSE EXECUTION ACCURACY

SGT 2056.3 SGR 470.1 SG3 114.3
 RRT .2875 RRF -.3031 RTF -.8910
 SGB 2109.3 R23 -.0356 R13 -.8916
 SG1 2060.9 SG2 449.2 TMA 3.95

ORBIT DETERMINATION ACCURACY

ST 936.4 SR 342.7 SS 830.1
 CRT -.6083 CRS -.7137 CST .9897
 LSA 1269.2 MSA 268.9 SSA 17.3
 EL1 961.3 EL2 264.9 ALF 166.40

LAUNCH DATE APR 18 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 268.644

RL 150.20 LAL -.00 LOL 207.28 VL 24.986 GAL 13.36 AZL 92.83 MCA 103.38 SMA 116.12 ECC .36730 INC 2.8341 V1 29.665
 RP 108.94 LAP -2.76 LOP 310.68 VP 35.965 GAP -21.27 AZP 89.34 TAL 154.38 TAP 257.76 RCA 73.47 APO 158.78 V2 34.784
 RC 48.377 GL -9.05 GP 6.71 ZAL 46.18 ZAP 8.80 ETS 231.17 ZAE 148.65 ETE 150.65 ZAC 125.22 ETC 24.42 CLP 5.71

PLANETOCENTRIC CONIC

C3 58.406 VHL 7.642 DLA -1.24 RAL 159.78 RAD 6569.1 VEL 13.408 PTH 2.45 VMP 13.204 DPA 25.17 RAP 141.81 ECC 1.9612
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 27 24 2442.49 -24.37 56.45 39.28 104.89 9 8 6 1842.5 -22.09 48.52
 90.00 80 7 6 5163.20 25.61 230.68 40.28 77.48 21 33 9 4563.2 23.62 222.57
 100.00 9 48 10 2181.95 -25.72 36.88 38.87 105.78 10 24 32 1582.0 -23.31 28.92
 100.00 21 29 1 4898.96 26.98 210.90 39.93 76.61 22 50 40 4299.0 24.86 202.74
 110.00 10 55 5 1972.46 -29.38 19.72 37.61 108.31 11 27 58 1372.5 -26.60 11.64
 110.00 22 38 35 4681.22 30.68 193.27 38.83 74.13 23 56 36 4081.2 28.20 184.95

DIFFERENTIAL CORRECTIONS

TDE 1.0440 TRA-2.5922 TC3 -.2462 BAU .2055
 RDE -.4170 RRA -.4175 RC3 .0929 FAU .01633
 FDE -.8936 FRA 1.6087 FC3 -.2421 BSP 6789
 BDE 1.1242 BRA 2.6256 BC3 .2631 FSP -336

MID-COURSE EXECUTION ACCURACY

SGT 2129.0 SGR 464.7 SG3 123.4
 RRT .3137 RRF -.3325 RTF -.8976
 SGB 2179.1 R23 -.0403 R13 -.8983
 SGI 2134.2 SG2 440.1 TMA 4.09

ORBIT DETERMINATION ACCURACY

ST 976.1 SR 326.5 SS 868.8
 CRT -.5962 CRS -.7056 CST .9892
 LSA 1320.8 MSA 263.2 SSA 17.3
 EL1 996.7 EL2 256.7 ALF 167.91

LAUNCH DATE APR 18 1967

FLIGHT TIME 120.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 275.367

RL 150.20 LAL -.00 LOL 207.28 VL 25.189 GAL 12.84 AZL 92.99 MCA 106.53 SMA 117.17 ECC .35345 INC 2.9857 V1 29.665
 RP 108.94 LAP -2.86 LOP 313.84 VP 36.108 GAP -20.32 AZP 89.15 TAL 153.88 TAP 260.42 RCA 75.76 APO 158.59 V2 34.784
 RC 47.155 GL -10.01 GP 7.17 ZAL 45.97 ZAP 8.40 ETS 240.07 ZAE 150.14 ETE 146.79 ZAC 123.35 ETC 23.92 CLP 4.39

PLANETOCENTRIC CONIC

C3 54.184 VHL 7.361 DLA -2.27 RAL 159.76 RAD 6569.0 VEL 13.249 PTH 2.42 VMP 12.663 DPA 25.07 RAP 143.89 ECC 1.8917
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 34 58 2392.14 -23.44 53.05 37.57 106.35 9 14 50 1792.1 -20.98 45.25
 90.00 19 59 23 5176.66 25.80 231.62 39.34 77.91 21 25 40 4576.7 23.88 223.48
 100.00 9 55 15 2133.15 -24.78 33.57 37.12 107.28 10 30 48 1533.2 -22.18 25.73
 100.00 21 21 47 4910.88 27.16 211.74 39.00 77.01 22 43 38 4310.9 25.10 203.54
 110.00 11 1 4 1927.10 -28.37 16.57 35.77 109.92 11 33 11 1327.1 -25.39 8.66
 110.00 22 32 27 4689.70 30.83 193.88 37.94 74.46 23 50 37 4089.7 28.40 185.53

DIFFERENTIAL CORRECTIONS

TDE 1.0511 TRA-2.5850 TC3 -.2411 BAU .1902
 RDE -.3769 RRA -.4095 RC3 .1040 FAU .01696
 FDE -.9439 FRA 1.6670 FC3 -.2709 BSP 7047
 BDE 1.1166 BRA 2.6173 BC3 .2626 FSP -366

MID-COURSE EXECUTION ACCURACY

SGT 2202.3 SGR 459.6 SG3 133.4
 RRT .3438 RRF -.3661 RTF -.9039
 SGB 2249.8 R23 -.0457 R13 -.9047
 SGI 2208.2 SG2 430.5 TMA 4.27

ORBIT DETERMINATION ACCURACY

ST 1017.1 SR 308.6 SS 909.9
 CRT -.5806 CRS -.6942 CST .9887
 LSA 1375.2 MSA 256.9 SSA 17.3
 EL1 1033.7 EL2 247.2 ALF 169.40

LAUNCH DATE APR 18 1967

FLIGHT TIME 122.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 282.103

RL 150.20 LAL -.00 LOL 207.28 VL 25.380 GAL 12.34 AZL 93.14 MCA 109.69 SMA 118.18 ECC .34027 INC 3.1424 V1 29.665
 RP 108.94 LAP -2.96 LOP 317.01 VP 36.242 GAP -19.40 AZP 88.94 TAL 153.42 TAP 263.11 RCA 77.97 APO 158.39 V2 34.785
 RC 46.068 GL -11.04 GP 7.69 ZAL 45.83 ZAP 8.27 ETS 249.83 ZAE 151.57 ETE 142.33 ZAC 121.48 ETC 23.46 CLP 3.05

PLANETOCENTRIC CONIC

C3 50.357 VHL 7.096 DLA -3.35 RAL 159.67 RAD 6568.9 VEL 13.104 PTH 2.39 VMP 12.141 DPA 25.02 RAP 145.97 ECC 1.8288
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 42 39 2340.36 -22.41 49.61 35.84 107.78 9 21 40 1740.4 -19.77 41.93
 90.00 19 50 59 5192.09 26.02 232.70 38.58 78.41 21 17 31 4592.1 24.16 224.52
 100.00 10 2 26 2083.01 -23.72 30.22 35.37 108.74 10 37 9 1483.0 -20.94 22.52
 100.00 21 13 53 4924.68 27.37 212.71 38.05 77.48 22 35 58 4324.7 25.37 204.48
 110.00 11 7 5 1880.60 -27.25 13.42 33.93 111.48 11 38 26 1280.6 -24.09 5.68
 110.00 22 25 43 4699.85 31.02 194.61 37.02 74.86 23 44 3 4099.9 28.63 186.23

DIFFERENTIAL CORRECTIONS

TDE 1.0589 TRA-2.5760 TC3 -.2339 BAU .1758
 RDE -.3366 RRA -.4032 RC3 .1162 FAU .01763
 FDE -.9991 FRA 1.7289 FC3 -.3031 BSP 7300
 BDE 1.1111 BRA 2.6073 BC3 .2612 FSP -399

MID-COURSE EXECUTION ACCURACY

SGT 2276.4 SGR 455.4 SG3 144.3
 RRT .3785 RRF -.4045 RTF -.9098
 SGB 2321.5 R23 -.0519 R13 -.9107
 SGI 2283.1 SG2 420.3 TMA 4.48

ORBIT DETERMINATION ACCURACY

ST 1059.1 SR 288.9 SS 953.8
 CRT -.5597 CRS -.6781 CST .9882
 LSA 1432.5 MSA 250.3 SSA 17.3
 EL1 1072.0 EL2 236.5 ALF 170.87

LAUNCH DATE APR 18 1967

FLIGHT TIME 124.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 288.849

RL 150.20 LAL -.00 LOL 207.28 VL 25.558 GAL 11.87 AZL 93.31 MCA 112.85 SMA 119.14 ECC .32773 INC 3.3054 V1 29.665
 RP 108.93 LAP -3.05 LOP 320.17 VP 36.369 GAP -18.51 AZP 88.71 TAL 152.99 TAP 265.84 RCA 80.10 APO 158.19 V2 34.787
 RC 45.125 GL -12.16 GP 8.28 ZAL 45.78 ZAP 8.45 ETS 259.81 ZAE 152.89 ETE 137.18 ZAC 119.60 ETC 23.04 CLP 1.70

PLANETOCENTRIC CONIC

C3 46.898 VHL 6.848 DLA -4.49 RAL 159.51 RAD 6568.8 VEL 12.972 PTH 2.37 VMP 11.636 DPA 25.01 RAP 148.05 ECC 1.7718
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 50 32 2287.04 -21.26 46.12 34.10 109.16 9 28 39 1687.0 -18.45 38.58
 90.00 19 41 47 5209.85 26.25 233.94 37.39 78.99 21 8 37 4609.8 24.47 225.73
 100.00 10 9 46 2031.43 -22.55 26.83 33.61 110.16 10 43 38 1431.4 -19.60 19.28
 100.00 21 5 14 4940.68 27.60 213.84 37.09 78.04 22 27 35 4340.7 25.67 205.57
 110.00 11 13 11 1832.90 -26.02 10.26 32.10 112.99 11 43 44 1232.9 -22.68 2.69
 110.00 22 18 18 4711.98 31.23 195.49 36.10 75.34 23 36 50 4112.0 28.90 187.06

DIFFERENTIAL CORRECTIONS

TDE 1.0678 TRA-2.5648 TC3 -.2242 BAU .1624
 RDE -.2980 RRA -.3989 RC3 .1295 FAU .01836
 FDE -1.0601 FRA 1.7946 FC3 -.3389 BSP 7554
 BDE 1.1080 BRA 2.5956 BC3 .2589 FSP -435

MID-COURSE EXECUTION ACCURACY

SGT 2350.6 SGR 452.6 SG3 156.2
 RRT .4181 RRF -.4482 RTF -.9155
 SGB 2393.8 R23 -.0588 R13 -.9164
 SGI 2358.5 SG2 409.8 TMA 4.75

ORBIT DETERMINATION ACCURACY

ST 1102.3 SR 267.3 SS 1000.8
 CRT -.5310 CRS -.6547 CST .9878
 LSA 1492.9 MSA 243.4 SSA 17.2
 EL1 1111.8 EL2 224.6 ALF 172.35

LAUNCH DATE APR 18 1967

FLIGHT TIME 126.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 295.601

RL 150.20 LAL -.00 LOL 207.28 VL 25.725 GAL 11.42 AZL 93.48 MCA 116.01 SMA 120.06 ECC .31582 INC 3.4762 V1 29.665
 RP 108.93 LAP -3.12 LOP 323.34 VP 36.489 GAP -17.65 AZP 88.47 TAL 152.60 TAP 268.60 RCA 82.15 APO 157.98 V2 34.790
 RC 44.335 GL -13.36 GP 8.94 ZAL 45.81 ZAP 8.94 ETS 269.28 ZAE 154.02 ETE 131.31 ZAC 117.71 ETC 22.66 CLP .32

PLANETOCENTRIC CONIC

C3 43.785 VHL 6.617 DLA -5.69 RAL 159.27 RAD 6568.7 VEL 12.851 PTH 2.34 VHP 11.148 DPA 25.05 RAP 150.13 ECC 1.7206
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 58 40 2232.03 -19.99 42.59 32.38 110.48 9 35 52 1632.0 -17.02 35.17
 90.00 19 31 43 5230.33 26.51 235.39 36.40 79.67 20 58 54 4630.3 24.82 227.13
 100.00 10 17 19 1978.31 -21.26 23.41 31.85 111.52 10 50 18 1378.3 -18.15 16.00
 100.00 20 55 45 4959.29 27.85 215.17 36.11 78.69 22 18 25 4359.3 26.01 206.85
 110.00 11 19 24 1783.94 -24.68 7.09 30.28 114.44 11 49 8 1183.9 -21.17 359.69
 110.00 22 10 10 4726.43 31.47 196.55 35.17 75.92 23 28 56 4126.4 29.22 188.07

DIFFERENTIAL CORRECTIONS

TDE 1.0782 TRA-2.5515 TC3 -.2119 BAU .1500
 RDE -.2547 RRA -.3967 RC3 .1440 FAU .01915
 FDE-1.1281 FRA 1.8643 FC3 -.3786 BSP 7799
 BDE 1.1079 BRA 2.5822 BC3 .2562 FSP -473

MID-COURSE EXECUTION ACCURACY

SGT 2424.8 SGR 451.8 SG3 169.2
 RRT .4629 RRF -.4973 RTF -.9208
 SGB 2466.5 R23 -.0668 R13 -.9218
 SG1 2434.1 SG2 399.0 TMA 5.07

ORBIT DETERMINATION ACCURACY

ST 1146.9 SR 243.7 SS 1051.3
 CRT -.4900 CRS -.6200 CST .9874
 LSA 1556.8 MSA 236.4 SSA 17.1
 EL1 1153.3 EL2 211.3 ALF 173.85

LAUNCH DATE APR 18 1967

FLIGHT TIME 128.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 302.358

RL 150.20 LAL -.00 LOL 207.28 VL 25.881 GAL 10.99 AZL 93.66 MCA 119.17 SMA 120.94 ECC .30453 INC 3.6564 V1 29.665
 RP 108.92 LAP -3.19 LOP 326.50 VP 36.602 GAP -16.81 AZP 88.22 TAL 152.23 TAP 271.40 RCA 84.11 APO 157.77 V2 34.793
 RC 43.707 GL -14.66 GP 9.68 ZAL 45.94 ZAP 9.74 ETS 277.62 ZAE 154.87 ETE 124.76 ZAC 115.82 ETC 22.31 CLP -1.08

PLANETOCENTRIC CONIC

C3 40.997 VHL 6.403 DLA -6.96 RAL 158.94 RAD 6568.6 VEL 12.742 PTH 2.32 VHP 10.678 DPA 25.17 RAP 152.22 ECC 1.6747
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 7 8 2175.17 -18.59 39.00 30.67 111.75 9 43 23 1575.2 -15.48 31.71
 90.00 19 20 41 5254.02 26.79 237.07 35.41 80.47 20 48 15 4654.0 25.20 228.76
 100.00 10 25 9 1923.49 -19.86 19.95 30.12 112.82 10 57 12 1323.5 -16.59 12.67
 100.00 20 45 21 4980.94 28.13 216.71 35.14 79.46 22 8 22 4380.9 26.39 208.35
 110.00 11 25 47 1733.62 -23.23 3.90 28.49 115.82 11 54 41 1133.6 -19.56 356.68
 110.00 22 1 12 4743.57 31.75 197.81 34.26 76.62 23 20 16 4143.6 29.59 189.27

DIFFERENTIAL CORRECTIONS

TDE 1.0950 TRA-2.5314 TC3 -.1923 BAU .1370
 RDE -.2122 RRA -.3972 RC3 .1598 FAU .02005
 FDE-1.2032 FRA 1.9370 FC3 -.4234 BSP 8153
 BDE 1.1153 BRA 2.5624 BC3 .2500 FSP -519

MID-COURSE EXECUTION ACCURACY

SGT 2495.7 SGR 454.0 SG3 183.4
 RRT .5125 RRF -.5514 RTF -.9264
 SGB 2536.6 R23 -.0755 R13 -.9277
 SG1 2506.8 SG2 388.2 TMA 5.46

ORBIT DETERMINATION ACCURACY

ST 1195.3 SR 218.2 SS 1106.3
 CRT -.4314 CRS -.5671 CST .9874
 LSA 1627.8 MSA 228.2 SSA 16.9
 EL1 1199.1 EL2 196.3 ALF 175.37

LAUNCH DATE APR 18 1967

FLIGHT TIME 130.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 309.117

RL 150.20 LAL -.00 LOL 207.28 VL 26.026 GAL 10.58 AZL 93.85 MCA 122.33 SMA 121.78 ECC .29385 INC 3.8482 V1 29.665
 RP 108.90 LAP -3.25 LOP 329.67 VP 36.708 GAP -16.00 AZP 87.94 TAL 151.91 TAP 274.23 RCA 86.00 APO 157.57 V2 34.797
 RC 43.245 GL -16.06 GP 10.53 ZAL 46.17 ZAP 10.82 ETS 284.60 ZAE 155.37 ETE 117.66 ZAC 113.92 ETC 22.00 CLP -2.50

PLANETOCENTRIC CONIC

C3 38.518 VHL 6.206 DLA -8.31 RAL 158.54 RAD 6568.5 VEL 12.645 PTH 2.30 VHP 10.227 DPA 25.38 RAP 154.32 ECC 1.6339
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 16 1 2116.22 -17.07 35.35 29.00 112.94 9 51 17 1516.2 -13.81 28.18
 90.00 19 8 33 5281.46 27.08 239.02 34.44 81.40 20 36 34 4681.5 25.62 230.66
 100.00 10 33 20 1866.79 -18.32 16.44 28.43 114.04 11 4 26 1266.8 -14.92 9.30
 100.00 20 33 55 5006.13 28.43 218.53 34.19 80.37 21 57 21 4406.1 26.81 210.10
 110.00 11 32 24 1681.84 -21.65 .70 26.73 117.12 12 0 26 1081.8 -17.85 353.64
 110.00 21 51 20 4763.84 32.06 199.31 33.37 77.45 23 10 44 4163.8 30.00 190.70

DIFFERENTIAL CORRECTIONS

TDE 1.1097 TRA-2.5152 TC3 -.1747 BAU .1280
 RDE -.1681 RRA -.4009 RC3 .1769 FAU .02094
 FDE-1.2903 FRA 2.0157 FC3 -.4708 BSP 8384
 BDE 1.1223 BRA 2.5470 BC3 .2486 FSP -565

MID-COURSE EXECUTION ACCURACY

SGT 2569.7 SGR 460.6 SG3 198.9
 RRT .5670 RRF -.6102 RTF -.9311
 SGB 2610.7 R23 -.0857 R13 -.9325
 SG1 2583.3 SG2 377.4 TMA 5.93

ORBIT DETERMINATION ACCURACY

ST 1243.1 SR 191.6 SS 1164.7
 CRT -.3359 CRS -.4807 CST .9871
 LSA 1699.8 MSA 221.3 SSA 16.6
 EL1 1244.8 EL2 180.2 ALF 176.97

LAUNCH DATE APR 18 1967

FLIGHT TIME 132.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 315.875

RL 150.20 LAL -.00 LOL 207.28 VL 26.162 GAL 10.19 AZL 94.05 MCA 125.49 SMA 122.58 ECC .28375 INC 4.0539 V1 29.665
 RP 108.89 LAP -3.30 LOP 332.84 VP 36.809 GAP -15.22 AZP 87.64 TAL 151.61 TAP 277.10 RCA 87.80 APO 157.36 V2 34.801
 RC 42.956 GL -17.58 GP 11.50 ZAL 46.51 ZAP 12.15 ETS 290.21 ZAE 155.43 ETE 110.24 ZAC 112.01 ETC 21.71 CLP -3.96

PLANETOCENTRIC CONIC

C3 36.334 VHL 6.028 DLA -9.75 RAL 158.04 RAD 6568.4 VEL 12.558 PTH 2.28 VHP 9.794 DPA 25.69 RAP 156.43 ECC 1.5980
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 25 26 2054.90 -15.40 31.62 27.37 114.06 9 59 41 1454.9 -12.02 24.57
 90.00 18 55 8 5313.29 27.39 241.30 33.49 82.51 20 23 41 4713.3 26.07 232.88
 100.00 10 41 58 1807.96 -16.65 12.86 26.78 115.19 11 12 6 1208.0 -13.12 5.85
 100.00 20 21 17 5035.45 28.75 220.65 33.27 81.44 21 45 12 4435.5 27.27 212.16
 110.00 11 39 18 1628.45 -19.96 357.49 25.02 118.34 12 6 27 1028.4 -16.02 350.58
 110.00 21 40 26 4787.74 32.40 201.09 32.52 78.46 23 0 14 4187.7 30.47 192.40

DIFFERENTIAL CORRECTIONS

TDE 1.1320 TRA-2.4918 TC3 -.1493 BAU .1195
 RDE -.1213 RRA -.4081 RC3 .1955 FAU .02197
 FDE-1.3881 FRA 2.0970 FC3 -.5236 BSP 8716
 BDE 1.1385 BRA 2.5250 BC3 .2460 FSP -619

MID-COURSE EXECUTION ACCURACY

SGT 2639.3 SGR 473.1 SG3 215.7
 RRT .6242 RRF -.6713 RTF -.9361
 SGB 2681.3 R23 -.0966 R13 -.9377
 SG1 2656.1 SG2 367.2 TMA 6.51

ORBIT DETERMINATION ACCURACY

ST 1295.2 SR 165.2 SS 1229.0
 CRT -.1822 CRS -.3350 CST .9872
 LSA 1780.3 MSA 213.6 SSA 16.3
 EL1 1295.6 EL2 162.4 ALF 178.65

LAUNCH DATE APR 18 1967

FLIGHT TIME 134.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 322.630

RL 150.20 LAL -0.00 LOL 207.28 VL 26.288 GAL 9.82 AZL 94.28 HCA 128.64 SMA 123.33 ECC .27423 INC 4.2765 V1 29.665
 RP 108.87 LAP -3.34 LOP 336.01 VP 36.903 GAP -14.46 AZP 87.33 TAL 151.35 TAP 279.99 RCA 89.51 APO 157.15 V2 34.806
 RC 42.841 GL -19.22 GP 12.61 ZAL 46.98 ZAP 13.72 ETS 294.58 ZAE 155.02 ETE 102.86 ZAC 110.09 ETC 21.45 CLP -5.45

PLANETOCENTRIC CONIC

C3 34.436 VHL 5.868 DLA -11.28 RAL 157.44 RAD 6568.4 VEL 12.482 PTH 2.26 VMP 9.380 DPA 26.13 RAP 158.58 ECC 1.5667
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 35 33 1990.80 -13.59 27.79 25.81 115.09 10 8 44 1390.8 -10.09 20.85
 90.00 18 40 15 5350.29 27.69 243.97 32.58 83.81 20 9 25 4750.3 26.54 235.49
 100.00 10 51 13 1746.69 -14.84 9.22 25.19 116.25 11 20 20 1146.7 -11.19 2.32
 100.00 20 7 16 5069.63 29.07 223.14 32.39 82.71 21 31 46 4469.6 27.76 214.58
 110.00 11 46 36 1573.25 -18.15 354.24 23.37 119.48 12 12 49 973.2 -14.08 347.48
 110.00 21 28 23 4815.84 32.76 203.20 31.72 79.66 22 48 38 4215.8 30.99 194.43

DIFFERENTIAL CORRECTIONS

TOE 1.1584 TRA-2.4664 TC3 -.1210 BAU .1138
 RDE -.0711 RRA -.4197 RC3 .2157 FAU .02306
 FDE-1.4991 FRA 2.1821 FC3 -.5798 BSP 9056
 BDE 1.1606 BRA 2.5018 BC3 .2473 FSP -679

MID-COURSE EXECUTION ACCURACY

SGT 2707.2 SGR 493.4 SG3 233.8
 RRT .6824 RRF -.7326 RTF -.9408
 SGB 2751.8 R23 -.1083 R13 -.9427
 SG1 2728.5 SG2 357.9 THA 7.21

ORBIT DETERMINATION ACCURACY

ST 1349.8 SR 143.5 SS 1298.6
 CRT .0712 CRS -.0860 CST .9874
 LSA 1867.2 MSA 206.1 SSA 15.8
 EL1 1349.8 EL2 143.1 ALF .44

LAUNCH DATE APR 18 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 329.380

RL 150.20 LAL -0.00 LOL 207.28 VL 26.405 GAL 9.47 AZL 94.52 HCA 131.81 SMA 124.04 ECC .26527 INC 4.5197 V1 29.665
 RP 108.86 LAP -3.37 LOP 339.18 VP 36.993 GAP -13.72 AZP 86.98 TAL 151.12 TAP 282.92 RCA 91.14 APO 156.95 V2 34.812
 RC 42.900 GL -20.99 GP 13.89 ZAL 47.57 ZAP 15.52 ETS 297.90 ZAE 154.12 ETE 95.45 ZAC 108.15 ETC 21.20 CLP -6.98

PLANETOCENTRIC CONIC

C3 32.821 VHL 5.729 DLA -12.92 RAL 156.74 RAD 6568.3 VEL 12.417 PTH 2.24 VMP 8.987 DPA 26.72 RAP 160.76 ECC 1.5401
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 46 35 1923.39 -11.61 23.83 24.33 116.01 10 18 38 1323.4 -8.01 16.99
 90.00 18 23 37 5393.46 27.96 247.10 31.72 85.36 19 53 31 4793.5 27.03 238.56
 100.00 11 1 14 1682.54 -12.88 5.47 23.68 117.21 11 29 16 1082.5 -9.13 358.68
 100.00 19 51 39 5109.55 29.38 226.07 31.57 84.22 21 16 49 4509.5 28.27 217.44
 110.00 11 54 24 1516.00 -16.20 350.94 21.79 120.52 12 19 40 916.0 -12.02 344.32
 110.00 21 14 58 4848.85 33.14 205.70 31.00 81.09 22 35 47 4248.8 31.55 196.84

DIFFERENTIAL CORRECTIONS

TOE 1.1900 TRA-2.4387 TC3 -.0898 BAU .1113
 RDE -.0161 RRA -.4364 RC3 .2373 FAU .02420
 FDE-1.6252 FRA 2.2707 FC3 -.6384 BSP 9395
 BDE 1.1901 BRA 2.4775 BC3 .2537 FSP -744

MID-COURSE EXECUTION ACCURACY

SGT 2772.8 SGR 524.2 SG3 253.5
 RRT .7386 RRF -.7909 RTF -.9453
 SGB 2822.0 R23 -.1207 R13 -.9476
 SG1 2800.2 SG2 349.9 THA 8.07

ORBIT DETERMINATION ACCURACY

ST 1407.1 SR 135.5 SS 1374.0
 CRT .4283 CRS .2833 CST .9877
 LSA 1961.2 MSA 199.1 SSA 15.2
 EL1 1408.3 EL2 122.4 ALF 2.38

LAUNCH DATE APR 18 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 336.123

RL 150.20 LAL -0.00 LOL 207.28 VL 26.514 GAL 9.14 AZL 94.79 HCA 134.97 SMA 124.71 ECC .25684 INC 4.7883 V1 29.665
 RP 108.84 LAP -3.39 LOP 342.35 VP 37.076 GAP -13.00 AZP 86.61 TAL 150.92 TAP 285.89 RCA 92.68 APO 156.75 V2 34.819
 RC 43.133 GL -22.92 GP 15.38 ZAL 48.31 ZAP 17.55 ETS 300.34 ZAE 152.74 ETE 89.51 ZAC 106.19 ETC 20.98 CLP -8.55

PLANETOCENTRIC CONIC

C3 31.487 VHL 5.611 DLA -14.67 RAL 155.92 RAD 6568.3 VEL 12.364 PTH 2.23 VMP 8.616 DPA 27.50 RAP 163.01 ECC 1.5182
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 58 48 1851.89 -9.44 19.69 22.96 116.82 10 29 40 1251.9 -5.77 12.94
 90.00 18 4 53 5444.08 28.19 250.78 30.92 87.19 19 35 37 4844.1 27.50 242.18
 100.00 11 12 15 1614.90 -10.74 1.58 22.28 118.06 11 39 10 1014.9 -6.90 354.89
 100.00 19 34 7 5156.31 29.65 229.52 30.82 86.02 21 0 3 4556.3 28.78 220.82
 110.00 12 2 52 1456.36 -14.10 347.59 20.31 121.46 12 27 8 856.4 -9.84 341.08
 110.00 20 59 59 4887.61 33.51 208.67 30.38 82.81 22 21 27 4287.6 32.15 199.70

DIFFERENTIAL CORRECTIONS

TOE 1.2393 TRA-2.3976 TC3 -.0418 BAU .1114
 RDE .0462 RRA -.4585 RC3 .2614 FAU .02566
 FDE-1.7753 FRA 2.3549 FC3 -.7054 BSP 10004
 BDE 1.2401 BRA 2.4411 BC3 .2647 FSP -827

MID-COURSE EXECUTION ACCURACY

SGT 2829.8 SGR 567.9 SG3 274.5
 RRT .7907 RRF -.8430 RTF -.9508
 SGB 2886.2 R23 -.1306 R13 -.9535
 SG1 2865.7 SG2 343.3 THA 9.15

ORBIT DETERMINATION ACCURACY

ST 1475.6 SR 152.9 SS 1459.2
 CRT .7531 CRS .6473 CST .9887
 LSA 2072.2 MSA 189.7 SSA 14.5
 EL1 1480.2 EL2 100.3 ALF 4.48

LAUNCH DATE APR 18 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 342.869

RL 150.20 LAL -0.00 LOL 207.28 VL 26.615 GAL 8.84 AZL 95.09 HCA 138.13 SMA 125.35 ECC .24897 INC 5.0884 V1 29.665
 RP 108.81 LAP -3.39 LOP 345.52 VP 37.155 GAP -12.30 AZP 86.21 TAL 150.74 TAP 288.87 RCA 94.14 APO 156.55 V2 34.826
 RC 43.534 GL -25.00 GP 17.12 ZAL 49.19 ZAP 19.83 ETS 302.04 ZAE 150.90 ETE 84.03 ZAC 104.19 ETC 20.76 CLP -10.16

PLANETOCENTRIC CONIC

C3 30.460 VHL 5.519 DLA -16.55 RAL 154.99 RAD 6568.2 VEL 12.322 PTH 2.22 VMP 8.271 DPA 28.50 RAP 165.34 ECC 1.5013
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 12 40 1775.37 -7.06 15.33 21.76 117.49 10 42 15 1175.4 -3.32 8.64
 90.00 17 43 35 5503.93 28.31 255.16 30.20 89.38 19 15 19 4903.9 27.92 246.51
 100.00 11 24 39 1543.07 -8.41 357.52 21.03 118.79 11 50 22 943.1 -4.50 350.91
 100.00 19 14 17 5211.46 29.84 233.60 30.16 88.16 20 41 8 4611.5 29.27 224.85
 110.00 12 12 14 1394.03 -11.86 344.15 18.96 122.30 12 35 28 794.0 -7.52 337.75
 110.00 20 43 12 4933.26 33.84 212.19 29.88 84.87 22 5 25 4333.3 32.76 203.12

DIFFERENTIAL CORRECTIONS

TOE 1.1685 TRA-2.4835 TC3 -.1803 BAU .1299
 RDE .1099 RRA -.4969 RC3 .2759 FAU .02368
 FDE-1.8739 FRA 2.5166 FC3 -.6731 BSP 7555
 BDE 1.1737 BRA 2.5327 BC3 .3191 FSP -763

MID-COURSE EXECUTION ACCURACY

SGT 2955.9 SGR 628.8 SG3 296.4
 RRT .8243 RRF -.8879 RTF -.9428
 SGB 3022.0 R23 -.1759 R13 -.9467
 SG1 3001.6 SG2 350.6 THA 10.08

ORBIT DETERMINATION ACCURACY

ST 1457.0 SR 197.9 SS 1508.2
 CRT .9316 CRS .8479 CST .9821
 LSA 2095.0 MSA 217.0 SSA 13.8
 EL1 1468.6 EL2 71.4 ALF 7.23

LAUNCH DATE APR 18 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 349.589

RL 150.20 LAL -1.00 LOL 207.28 VL 26.709 GAL 8.54 AZL 95.43 MCA 141.29 SMA 125.94 ECC .24157 INC 5.4280 V1 29.665
 RP 108.79 LAP -3.39 LOP 348.70 VP 37.230 GAP -11.62 AZP 85.76 TAL 150.60 TAP 291.89 RCA 95.52 APO 156.36 V2 34.834
 RC 44.099 GL -27.27 GP 19.16 ZAL 50.27 ZAP 22.40 ETS 303.15 ZAE 148.64 ETE 79.50 ZAC 102.14 ETC 20.53 CLP -11.83

PLANETOCENTRIC CONIC

C3 29.728 VML 5.452 OLA -18.58 RAL 153.90 RAD 6568.2 VEL 12.292 PTH 2.21 VHP 7.953 DPA 29.79 RAP 167.79 ECC 1.4892
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 28 44 1691.65 -4.40 10.61 20.72 118.00 10 56 56 1091.7 -1.63 3.97
 90.00 17 18 49 5575.44 28.25 260.39 29.52 92.00 18 51 45 4975.4 28.23 251.72
 100.00 11 38 52 1465.37 -5.84 353.19 19.93 119.37 12 3 17 865.4 -1.88 346.64
 100.00 18 51 23 5276.96 29.88 238.47 29.57 90.73 20 19 20 4677.0 29.67 229.68
 110.00 12 22 41 1328.03 -9.44 340.58 17.73 123.01 12 44 49 728.0 -5.02 334.27
 110.00 20 24 2 4987.06 34.09 216.37 29.48 87.33 21 47 9 4387.1 33.35 207.21

DIFFERENTIAL CORRECTIONS

TOE 1.2895 TRA-2.3849 TC3 -.0414 BAU .1229
 ROE .1968 RRA -.5314 RC3 .3064 FAU .02643
 FDE-2.0965 FRA 2.5660 FC3 -.7697 BSP 9463
 BDE 1.3044 BRA 2.4434 BC3 .3092 FSP -917

MID-COURSE EXECUTION ACCURACY

SGT 2971.3 SGR 708.2 SG3 319.2
 RRT .8663 RRF -.9219 RTF -.9536
 SGB 3054.6 R23 -.1689 R13 -.9579
 SG1 3034.9 SG2 346.3 THA 11.82

ORBIT DETERMINATION ACCURACY

ST 1570.1 SR 272.2 SS 1623.6
 CRT .9836 CRS .9433 CST .9872
 LSA 2266.7 MSA 193.6 SSA 12.7
 EL1 1592.8 EL2 48.4 ALF 9.69

LAUNCH DATE APR 18 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 356.303

RL 150.20 LAL -1.00 LOL 207.28 VL 26.795 GAL 8.27 AZL 95.82 MCA 144.45 SMA 126.49 ECC .23468 INC 5.8181 V1 29.665
 RP 108.76 LAP -3.38 LOP 351.88 VP 37.299 GAP -10.96 AZP 85.26 TAL 150.49 TAP 294.94 RCA 96.81 APO 156.18 V2 34.842
 RC 44.820 GL -29.74 GP 21.56 ZAL 51.53 ZAP 25.28 ETS 303.74 ZAE 145.97 ETE 75.90 ZAC 100.03 ETC 20.29 CLP -13.53

PLANETOCENTRIC CONIC

C3 29.354 VML 5.418 OLA -20.76 RAL 152.65 RAD 6568.2 VEL 12.277 PTH 2.21 VHP 7.670 DPA 31.40 RAP 170.41 ECC 1.4831
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 48 11 1597.98 -1.39 5.37 19.96 118.29 11 14 49 998.0 2.40 358.74
 90.00 16 49 26 5662.78 27.88 266.75 28.88 95.17 18 23 49 5062.8 28.30 258.11
 100.00 11 55 44 1379.94 -2.97 348.47 19.09 119.76 12 18 44 779.9 1.02 341.95
 100.00 18 24 34 5356.05 29.67 244.34 29.04 93.81 19 53 50 4756.1 29.88 235.54
 110.00 12 34 45 1257.70 -6.81 336.83 16.71 123.58 12 55 42 657.7 -2.35 330.58
 110.00 20 2 3 5051.05 34.18 221.37 29.23 90.29 21 26 14 4451.1 33.84 212.14

DIFFERENTIAL CORRECTIONS

TOE 1.3594 TRA-2.3494 TC3 -.0078 BAU .1301
 ROE .2970 RRA -.5808 RC3 .3315 FAU .02729
 FDE-2.3081 FRA 2.6457 FC3 -.8050 BSP 9854
 BDE 1.3915 BRA 2.4201 BC3 .3316 FSP -996

MID-COURSE EXECUTION ACCURACY

SGT 3021.1 SGR 811.9 SG3 342.0
 RRT .8945 RRF -.9476 RTF -.9576
 SGB 3128.3 R23 -.1771 R13 -.9628
 SG1 3108.4 SG2 352.8 THA 13.70

ORBIT DETERMINATION ACCURACY

ST 1643.8 SR 371.0 SS 1723.7
 CRT .9981 CRS .9783 CST .9881
 LSA 2403.1 MSA 189.6 SSA 11.6
 EL1 1685.0 EL2 22.2 ALF 12.70

LAUNCH DATE APR 18 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 363.005

RL 150.20 LAL -1.00 LOL 207.28 VL 26.874 GAL 8.01 AZL 96.27 MCA 147.61 SMA 127.01 ECC .22826 INC 6.2738 V1 29.665
 RP 108.74 LAP -3.36 LOP 355.05 VP 37.365 GAP -10.32 AZP 84.70 TAL 150.40 TAP 298.01 RCA 98.02 APO 156.00 V2 34.851
 RC 45.690 GL -32.44 GP 24.42 ZAL 53.00 ZAP 28.55 ETS 303.88 ZAE 142.87 ETE 73.15 ZAC 97.83 ETC 20.00 CLP -15.27

PLANETOCENTRIC CONIC

C3 29.395 VML 5.422 OLA -23.12 RAL 151.22 RAD 6568.2 VEL 12.279 PTH 2.21 VHP 7.430 DPA 33.41 RAP 173.28 ECC 1.4838
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 13 7 1488.04 2.15 359.24 19.62 118.24 11 37 55 888.0 5.91 352.58
 90.00 16 13 3 5773.42 26.95 274.70 28.18 99.05 17 49 17 5173.4 27.92 266.17
 100.00 12 16 44 1282.70 .33 343.13 18.61 119.89 12 38 7 682.7 4.30 336.60
 100.00 17 52 7 5453.98 29.01 251.54 28.52 97.54 19 23 1 4854.0 29.75 242.82
 110.00 12 49 2 1181.46 -3.92 332.81 15.96 123.98 13 8 43 581.5 .57 326.60
 110.00 19 36 19 5127.99 33.99 227.37 29.11 93.83 21 1 47 4528.0 34.15 218.13

DIFFERENTIAL CORRECTIONS

TOE 1.4441 TRA-2.3154 TC3 .0197 BAU .1397
 ROE .4209 RRA -.6422 RC3 .3550 FAU .02776
 FDE-2.5441 FRA 2.7101 FC3 -.8176 BSP 10217
 BDE 1.5042 BRA 2.4028 BC3 .3556 FSP -1071

MID-COURSE EXECUTION ACCURACY

SGT 3067.2 SGR 943.7 SG3 363.6
 RRT .9156 RRF -.9656 RTF -.9612
 SGB 3209.1 R23 -.1813 R13 -.9676
 SG1 3188.3 SG2 365.0 THA 15.95

ORBIT DETERMINATION ACCURACY

ST 1722.2 SR 497.0 SS 1827.2
 CRT .9995 CRS .9918 CST .9891
 LSA 2552.8 MSA 187.0 SSA 10.4
 EL1 1792.5 EL2 14.5 ALF 16.09

LAUNCH DATE APR 18 1967

FLIGHT TIME 148.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 369.692

RL 150.20 LAL -1.00 LOL 207.28 VL 26.948 GAL 7.77 AZL 96.82 MCA 150.78 SMA 127.49 ECC .22231 INC 6.8167 V1 29.665
 RP 108.71 LAP -3.32 LOP 358.23 VP 37.426 GAP -9.69 AZP 84.04 TAL 150.32 TAP 301.10 RCA 99.15 APO 155.83 V2 34.860
 RC 46.700 GL -35.38 GP 27.83 ZAL 54.72 ZAP 32.27 ETS 303.64 ZAE 139.31 ETE 71.16 ZAC 95.50 ETC 19.63 CLP -17.04

PLANETOCENTRIC CONIC

C3 29.956 VML 5.473 OLA -25.67 RAL 149.56 RAD 6568.2 VEL 12.302 PTH 2.22 VHP 7.245 DPA 35.89 RAP 176.51 ECC 1.4930
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 49 9 1344.98 6.72 351.21 20.02 117.57 12 11 34 745.0 10.36 344.42
 90.00 15 23 47 637.90 24.86 307.47 27.14 104.01 15 34 25 37.9 26.55 299.21
 100.00 12 45 1 1164.62 4.32 336.64 18.71 119.61 13 4 25 564.6 8.23 330.04
 100.00 17 10 36 5581.54 27.52 260.73 27.83 102.15 18 43 38 4981.5 28.92 252.20
 110.00 13 6 40 1096.65 -.68 328.38 15.60 124.18 13 24 57 496.6 3.81 322.17
 110.00 19 5 26 5222.28 33.33 234.65 29.03 98.09 20 32 28 4622.3 34.08 225.49

DIFFERENTIAL CORRECTIONS

TOE 1.5476 TRA-2.2865 TC3 .0357 BAU .1505
 ROE .5779 RRA -.7177 RC3 .3741 FAU .02755
 FDE-2.8011 FRA 2.7489 FC3 -.7962 BSP 10493
 BDE 1.6519 BRA 2.3965 BC3 .3758 FSP -1132

MID-COURSE EXECUTION ACCURACY

SGT 3111.1 SGR 1108.4 SG3 382.0
 RRT .9308 RRF -.9778 RTF -.9642
 SGB 3302.6 R23 -.1816 R13 -.9721
 SG1 3280.2 SG2 384.2 THA 18.61

ORBIT DETERMINATION ACCURACY

ST 1805.4 SR 654.7 SS 1930.9
 CRT .9977 CRS .9970 CST .9900
 LSA 2716.9 MSA 186.6 SSA 9.2
 EL1 1920.0 EL2 41.5 ALF 19.90

LAUNCH DATE APR 18 1967

FLIGHT TIME 150.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

RL 150.20 LAL -0.00 LOL 207.28 VL 27.015 GAL 7.55 AZL 97.48 HCA 153.94 SMA 127.94 ECC .21682 INC 7.4789 V1 29.665
 RP 108.68 LAP -3.28 LOP 1.41 VP 37.484 GAP -9.08 AZP 83.27 TAL 150.27 TAP 304.21 RCA 100.20 APO 155.68 V2 34.870
 RC 47.841 GL -38.61 GP 31.91 ZAL 56.71 ZAP 36.52 ETS 303.06 ZAE 135.19 ETE 69.79 ZAC 93.01 ETC 19.10 CLP -18.80

PLANETOCENTRIC CONIC

C3 31.212 VML 5.587 OLA -28.41 RAL 147.62 RAD 6568.2 VEL 12.353 PTH 2.23 VMP 7.134 DPA 38.91 RAP 180.28 ECC 1.5137
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 87.55 13 8 6 1068.60 16.89 336.00 23.46 113.19 13 25 55 468.6 19.89 328.60
 92.45 13 49 21 934.92 16.90 326.23 23.46 113.18 14 4 56 334.9 19.90 318.82
 100.00 13 31 16 993.44 9.98 327.09 20.03 118.32 13 47 49 393.4 13.69 320.26
 100.00 16 8 53 5773.35 24.08 273.93 26.36 108.27 17 45 6 5173.3 26.35 265.86
 110.00 13 29 56 997.58 3.10 323.21 15.85 124.06 13 46 34 397.6 7.55 316.95
 110.00 18 26 42 5341.97 31.82 243.65 28.83 103.22 19 55 44 4742.0 33.30 234.74

DIFFERENTIAL CORRECTIONS

TDE 1.6884 TRA-2.2553 TC3 .0500 BAU .1626
 RDE .7826 RRA -.8066 RC3 .3864 FAU .02666
 FDE-3.0778 FRA 2.7378 FC3 -.7396 BSP 10927
 BDE 1.8610 BRA 2.3952 BC3 .3897 FSP -1182

MID-COURSE EXECUTION ACCURACY

SGT 3149.1 SGR 1309.6 SG3 394.4
 RRT .9425 RRF -.9857 RTF -.9674
 SGB 3410.6 R23 -.1745 R13 -.9769
 SG1 3386.2 SG2 407.0 TMA 21.73

ORBIT DETERMINATION ACCURACY

ST 1902.9 SR 850.8 SS 2033.3
 CRT .9959 CRS .9990 CST .9912
 LSA 2905.9 MSA 185.4 SSA 8.0
 EL1 2083.2 EL2 70.3 ALF 24.03

LAUNCH DATE APR 18 1967

FLIGHT TIME 152.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

RL 150.20 LAL -0.00 LOL 207.28 VL 27.076 GAL 7.34 AZL 98.31 HCA 157.10 SMA 128.35 ECC .21175 INC 8.3102 V1 29.665
 RP 108.64 LAP -3.22 LOP 4.60 VP 37.538 GAP -8.49 AZP 82.34 TAL 150.23 TAP 307.33 RCA 101.17 APO 155.53 V2 34.881
 RC 49.103 GL -42.13 GP 36.78 ZAL 59.02 ZAP 41.39 ETS 302.17 ZAE 130.41 ETE 68.83 ZAC 90.31 ETC 18.29 CLP -20.50

PLANETOCENTRIC CONIC

C3 33.472 VML 5.786 OLA -31.37 RAL 145.33 RAD 6568.3 VEL 12.444 PTH 2.25 VMP 7.131 DPA 42.52 RAP 184.89 ECC 1.5509
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.89 11 28 10 1377.10 18.01 359.40 23.09 116.13 11 51 7 777.1 21.38 352.10
 104.11 13 11 1 661.62 18.03 306.53 23.09 116.12 15 22 2 61.6 21.39 299.23
 75.89 11 28 10 1377.10 18.01 359.40 23.09 116.13 11 51 7 777.1 21.38 352.10
 104.11 13 11 1 661.62 18.03 306.53 23.09 116.12 15 22 2 61.6 21.39 299.23
 110.00 14 4 57 867.77 8.01 316.37 17.24 123.34 14 19 25 267.8 12.34 309.95
 110.00 17 33 24 5506.99 28.64 255.44 27.95 109.52 19 5 11 4907.0 31.02 247.05

DIFFERENTIAL CORRECTIONS

TDE 1.8750 TRA-2.2337 TC3 .0493 BAU .1735
 RDE 1.0538 RRA -.9088 RC3 .3845 FAU .02445
 FDE-3.3522 FRA 2.6613 FC3 -.6324 BSP 11340
 BDE 2.1508 BRA 2.4115 BC3 .3877 FSP -1199

MID-COURSE EXECUTION ACCURACY

SGT 3188.1 SGR 1548.6 SG3 396.7
 RRT .9508 RRF -.9906 RTF -.9703
 SGB 3544.3 R23 -.1629 R13 -.9814
 SG1 3517.5 SG2 434.8 TMA 25.20

ORBIT DETERMINATION ACCURACY

ST 2013.0 SR 1090.5 SS 2123.4
 CRT .9947 CRS .9997 CST .9923
 LSA 3117.0 MSA 185.7 SSA 6.9
 EL1 2287.3 EL2 98.5 ALF 28.38

LAUNCH DATE APR 18 1967

FLIGHT TIME 154.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

RL 150.20 LAL -0.00 LOL 207.28 VL 27.133 GAL 7.15 AZL 99.39 HCA 160.25 SMA 128.73 ECC .20712 INC 9.3917 V1 29.665
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.589 GAP -7.91 AZP 81.15 TAL 150.20 TAP 310.45 RCA 102.07 APO 155.39 V2 34.891
 RC 50.476 GL -45.99 GP 42.58 ZAL 61.69 ZAP 46.96 ETS 300.93 ZAE 124.81 ETE 68.04 ZAC 87.34 ETC 17.00 CLP -22.02

PLANETOCENTRIC CONIC

C3 37.305 VML 6.108 OLA -34.54 RAL 142.58 RAD 6568.5 VEL 12.597 PTH 2.28 VMP 7.288 DPA 46.73 RAP 190.80 ECC 1.6139
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.35 10 35 5 1534.74 18.76 11.93 22.98 119.54 11 0 40 934.7 22.55 4.82
 110.65 15 42 9 5846.78 18.78 276.95 22.99 119.53 17 19 36 5246.8 22.57 269.83
 69.35 10 35 5 1534.74 18.76 11.93 22.98 119.54 11 0 40 934.7 22.55 4.82
 110.65 15 42 9 5846.78 18.78 276.95 22.99 119.53 17 19 36 5246.8 22.57 269.83
 69.35 10 35 5 1534.74 18.76 11.93 22.98 119.54 11 0 40 934.7 22.55 4.82
 110.65 15 42 9 5846.78 18.78 276.95 22.99 119.53 17 19 36 5246.8 22.57 269.83

DIFFERENTIAL CORRECTIONS

TDE 2.1419 TRA-2.2245 TC3 .0371 BAU .1809
 RDE 1.4194 RRA -1.0179 RC3 .3807 FAU .02062
 FDE-3.5969 FRA 2.4932 FC3 -.4786 BSP 11840
 BDE 2.5695 BRA 2.4463 BC3 .3626 FSP -1168

MID-COURSE EXECUTION ACCURACY

SGT 3233.6 SGR 1819.5 SG3 384.3
 RRT .9572 RRF -.9935 RTF -.9732
 SGB 3710.3 R23 -.1466 R13 -.9856
 SG1 3681.4 SG2 462.8 TMA 28.80

ORBIT DETERMINATION ACCURACY

ST 2148.2 SR 1376.2 SS 2191.3
 CRT .9943 CRS 1.0000 CST .9935
 LSA 3358.0 MSA 185.5 SSA 5.8
 EL1 2548.2 EL2 123.4 ALF 32.58

LAUNCH DATE APR 18 1967

FLIGHT TIME 156.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

RL 150.20 LAL -0.00 LOL 207.28 VL 27.184 GAL 6.98 AZL 100.87 HCA 163.40 SMA 129.08 ECC .20290 INC 10.8659 V1 29.665
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.636 GAP -7.35 AZP 79.58 TAL 150.18 TAP 313.58 RCA 102.89 APO 155.27 V2 34.903
 RC 51.950 GL -50.19 GP 49.41 ZAL 64.76 ZAP 53.24 ETS 299.16 ZAE 118.27 ETE 66.94 ZAC 84.05 ETC 14.81 CLP -23.08

PLANETOCENTRIC CONIC

C3 43.845 VML 6.622 OLA -37.85 RAL 139.22 RAD 6568.7 VEL 12.853 PTH 2.34 VMP 7.700 DPA 51.35 RAP 198.79 ECC 1.7216
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.76 9 51 13 1666.09 18.86 22.52 23.12 123.45 10 18 59 1066.1 23.13 15.68
 116.24 15 59 12 5796.97 18.88 273.02 23.13 123.44 17 35 49 5197.0 23.14 266.19
 63.76 9 51 13 1666.09 18.86 22.52 23.12 123.45 10 18 59 1066.1 23.13 15.68
 116.24 15 59 12 5796.97 18.88 273.02 23.13 123.44 17 35 49 5197.0 23.14 266.19
 63.76 9 51 13 1666.09 18.86 22.52 23.12 123.45 10 18 59 1066.1 23.13 15.68
 116.24 15 59 12 5796.97 18.88 273.02 23.13 123.44 17 35 49 5197.0 23.14 266.19

DIFFERENTIAL CORRECTIONS

TDE 2.5517 TRA-2.2409 TC3 .0123 BAU .1796
 RDE 1.9159 RRA -1.1158 RC3 .3062 FAU .01492
 FDE-3.7685 FRA 2.2154 FC3 -.2945 BSP 12465
 BDE 3.1909 BRA 2.5034 BC3 .3064 FSP -1079

MID-COURSE EXECUTION ACCURACY

SGT 3302.4 SGR 2099.5 SG3 352.9
 RRT .9620 RRF -.9951 RTF -.9763
 SGB 3913.3 R23 -.1276 R13 -.9894
 SG1 3882.8 SG2 487.8 TMA 32.01

ORBIT DETERMINATION ACCURACY

ST 2327.6 SR 1698.0 SS 2222.7
 CRT .9945 CRS 1.0000 CST .9948
 LSA 3634.2 MSA 184.5 SSA 4.8
 EL1 2877.6 EL2 143.3 ALF 36.07

LAUNCH DATE APR 18 1967

FLIGHT TIME 158.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 402.818

RL 150.20 LAL -1.00 LOL 207.28 VL 27.230 GAL 6.83 AZL 103.01 MCA 166.53 SMA 129.39 ECC .19911 INC13.0070 V1 29.665
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.680 GAP -6.80 AZP 77.34 TAL 150.15 TAP 316.68 RCA 103.63 APO 155.16 V2 34.914
 RC 53.515 GL -54.67 GP 57.29 ZAL 68.31 ZAP 60.16 ETS 296.18 ZAE 110.66 ETE 64.55 ZAC 80.34 ETC 10.75 CLP -22.99

PLANETOCENTRIC CONIC

C3 55.642 VML 7.459 DLA -41.19 RAL 135.03 RAD 6569.0 VEL 13.304 PTH 2.43 VHP 8.547 DPA 55.92 RAP 210.13 ECC 1.9157
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.74 9 11 2 1792.33 17.86 32.37 23.42 127.76 9 40 54 1192.3 22.63 25.94
 121.26 16 6 2 5789.57 17.88 271.64 23.43 127.75 17 42 31 5189.6 22.65 265.21
 58.74 9 11 2 1792.33 17.86 32.37 23.42 127.76 9 40 54 1192.3 22.63 25.94
 121.26 16 6 2 5789.57 17.88 271.64 23.43 127.75 17 42 31 5189.6 22.65 265.21
 58.74 9 11 2 1792.33 17.86 32.37 23.42 127.76 9 40 54 1192.3 22.63 25.94
 121.26 16 6 2 5789.57 17.88 271.64 23.43 127.75 17 42 31 5189.6 22.65 265.21

DIFFERENTIAL CORRECTIONS

TDE 3.2505 TRA-2.3158 TC3 -.0257 BAU .1609
 RDE 2.5724 RRA-1.1566 RC3 .2148 FAU .00733
 FDE-3.8152 FRA 1.8352 FC3 -.1141 BSP 13191
 BOE 4.1453 BRA 2.5886 BC3 .2163 FSP -923

MID-COURSE EXECUTION ACCURACY

SGT 3438.5 SGR 2323.9 SG3 300.9
 RRT .9651 RRF -.9956 RTF -.9804
 SGB 4150.1 R23 -.1077 R13 -.9925
 SG1 4118.9 SG2 508.1 THA 33.70

ORBIT DETERMINATION ACCURACY

ST 2595.5 SR 2007.4 SS 2203.4
 CRT .9951 CRS .9999 CST .9962
 LSA 3948.2 MSA 182.5 SSA 3.9
 EL1 3277.4 EL2 157.9 ALF 37.68

LAUNCH DATE APR 18 1967

FLIGHT TIME 160.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 409.337

RL 150.20 LAL -1.00 LOL 207.28 VL 27.272 GAL 6.70 AZL 106.41 MCA 169.64 SMA 129.68 ECC .19574 INC16.4131 V1 29.665
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.721 GAP -6.28 AZP 73.84 TAL 150.11 TAP 319.75 RCA 104.30 APO 155.07 V2 34.926
 RC 55.163 GL -59.19 GP 66.04 ZAL 72.36 ZAP 67.50 ETS 289.36 ZAE 101.87 ETE 57.97 ZAC 76.08 ETC 1.87 CLP -19.57

PLANETOCENTRIC CONIC

C3 79.406 VML 8.911 DLA -44.21 RAL 129.78 RAD 6569.6 VEL 14.169 PTH 2.58 VHP 10.214 DPA 59.30 RAP 226.34 ECC 2.3068
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.51 8 32 41 1924.26 15.13 41.64 23.63 132.05 9 4 45 1324.3 20.39 35.73
 125.49 16 2 27 5827.34 15.14 272.60 23.64 132.05 17 39 35 5227.3 20.40 266.68
 54.51 8 32 41 1924.26 15.13 41.64 23.63 132.05 9 4 45 1324.3 20.39 35.73
 125.49 16 2 27 5827.34 15.14 272.60 23.64 132.05 17 39 35 5227.3 20.40 266.68
 54.51 8 32 41 1924.26 15.13 41.64 23.63 132.05 9 4 45 1324.3 20.39 35.73
 125.49 16 2 27 5827.34 15.14 272.60 23.64 132.05 17 39 35 5227.3 20.40 266.68

DIFFERENTIAL CORRECTIONS

TDE 4.6538 TRA-2.5313 TC3 -.0813 BAU .1330
 RDE 3.2740 RRA -.9874 RC3 .0953 FAU-.00176
 FDE-3.7089 FRA 1.4016 FC3 .0192 BSP 13958
 BOE 5.6900 BRA 2.7170 BC3 .1253 FSP -714

MID-COURSE EXECUTION ACCURACY

SGT 3759.0 SGR 2290.1 SG3 232.9
 RRT .9625 RRF -.9925 RTF -.9863
 SGB 4401.7 R23 -.0867 R13 -.9953
 SG1 4369.1 SG2 534.9 THA 30.90

ORBIT DETERMINATION ACCURACY

ST 3068.8 SR 2121.8 SS 2130.7
 CRT .9952 CRS .9995 CST .9978
 LSA 4292.5 MSA 183.5 SSA 2.8
 EL1 3727.0 EL2 171.5 ALF 34.61

LAUNCH DATE APR 18 1967

FLIGHT TIME 162.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 415.759

RL 150.20 LAL -1.00 LOL 207.28 VL 27.310 GAL 6.60 AZL 112.66 MCA 172.69 SMA 129.94 ECC .19287 INC22.6581 V1 29.665
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.760 GAP -5.78 AZP 67.51 TAL 150.02 TAP 322.71 RCA 104.88 APO 155.00 V2 34.938
 RC 56.885 GL -62.95 GP 74.79 ZAL 76.91 ZAP 74.83 ETS 265.79 ZAE 91.59 ETE 34.20 ZAC 70.74 ETC 334.91 CLP -3.68

PLANETOCENTRIC CONIC

C3 137.686 VML 11.734 DLA -45.97 RAL 123.35 RAD 6570.5 VEL 16.094 PTH 2.83 VHP 13.690 DPA 59.37 RAP 247.47 ECC 3.2660
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.13 7 58 1 2063.09 10.10 49.54 23.41 135.10 8 32 24 1463.1 15.71 44.10
 127.87 15 45 47 631.38 10.12 298.27 23.43 135.09 15 56 18 31.4 15.72 292.83
 52.13 7 58 1 2063.09 10.10 49.54 23.41 135.10 8 32 24 1463.1 15.71 44.10
 127.87 15 45 47 631.38 10.12 298.27 23.43 135.09 15 56 18 31.4 15.72 292.83
 52.13 7 58 1 2063.09 10.10 49.54 23.41 135.10 8 32 24 1463.1 15.71 44.10
 127.87 15 45 47 631.38 10.12 298.27 23.43 135.09 15 56 18 31.4 15.72 292.83

DIFFERENTIAL CORRECTIONS

TDE 8.0664 TRA-2.9573 TC3 -.1752 BAU .3260
 RDE 2.4068 RRA .2053 RC3 .0261 FAU-.01243
 FDE-3.5170 FRA 1.0173 FC3 .0782 BSP 14602
 BOE 8.4178 BRA 2.9644 BC3 .1771 FSP -492

MID-COURSE EXECUTION ACCURACY

SGT 4472.1 SGR 1185.6 SG3 161.5
 RRT .8117 RRF -.8591 RTF -.9959
 SGB 4626.6 R23 -.0544 R13 -.9982
 SG1 4576.9 SG2 676.6 THA 12.42

ORBIT DETERMINATION ACCURACY

ST 3987.8 SR 1176.0 SS 2047.0
 CRT .9813 CRS .9871 CST .9995
 LSA 4629.0 MSA 219.9 SSA 1.7
 EL1 4151.9 EL2 217.6 ALF 16.19

LAUNCH DATE APR 18 1967

FLIGHT TIME 164.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 421.920

RL 150.20 LAL -1.00 LOL 207.28 VL 27.343 GAL 6.56 AZL 127.21 MCA 175.53 SMA 130.10 ECC .19078 INC37.2084 V1 29.665
 RP 108.43 LAP -2.70 LOP 23.72 VP 37.796 GAP -5.36 AZP 52.87 TAL 149.79 TAP 325.30 RCA 105.34 APO 155.01 V2 34.951
 RC 58.673 GL -62.78 GP 76.21 ZAL 81.78 ZAP 81.46 ETS 203.67 ZAE 78.17 ETE 332.07 ZAC 62.23 ETC 267.19 CLP 51.48

PLANETOCENTRIC CONIC

C3 341.244 VML 18.473 DLA -43.50 RAL 116.73 RAD 6571.9 VEL 21.507 PTH 3.21 VHP 22.262 DPA 52.44 RAP 269.51 ECC 6.6160
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 55.49 7 44 27 2163.71 3.43 52.19 23.09 133.39 8 20 30 1563.7 8.89 46.74
 124.51 15 6 32 799.16 3.44 307.09 23.11 133.39 15 19 52 199.2 8.91 301.63
 55.49 7 44 27 2163.71 3.43 52.19 23.09 133.39 8 20 30 1563.7 8.89 46.74
 124.51 15 6 32 799.16 3.44 307.09 23.11 133.39 15 19 52 199.2 8.91 301.63
 55.49 7 44 27 2163.71 3.43 52.19 23.09 133.39 8 20 30 1563.7 8.89 46.74
 124.51 15 6 32 799.16 3.44 307.09 23.11 133.39 15 19 52 199.2 8.91 301.63

DIFFERENTIAL CORRECTIONS

TDE10.7894 TRA-1.1711 TC3 -.1850 BAU 1.3782
 RDE-8.6237 RRA 3.5971 RC3 .2388 FAU-.03122
 FDE-3.5674 FRA .8701 FC3 .0792 BSP 14195
 BOE13.8123 BRA 3.7830 BC3 .3021 FSP -305

MID-COURSE EXECUTION ACCURACY

SGT 3452.1 SGR 3209.1 SG3 104.0
 RRT -.9320 RRF .9813 RTF -.9843
 SGB 4713.3 R23 -.0062 R13 1.0000
 SG1 4632.8 SG2 867.0 THA 137.24

ORBIT DETERMINATION ACCURACY

ST 3349.9 SR 2714.4 SS 2139.0
 CRT -.9921 CRS -.9975 CST .9984
 LSA 4805.7 MSA 265.8 SSA .7
 EL1 4303.4 EL2 265.5 ALF 141.03

LAUNCH DATE APR 18 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 426.872
 RL 150.20 LAL -.00 LOL 207.28 VL 27.373 GAL 6.74 AZL 171.92 MCA 177.39 SMA 130.38 ECC .19116 INC81.913R V1 29.665
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.829 GAP -5.23 AZP 8.09 TAL 148.89 TAP 326.28 RCA 105.46 APO 155.31 V2 34.964
 RC 60.521 GL -46.01 GP 52.53 ZAL 85.82 ZAP 86.05 ETS 180.74 ZAE 54.87 ETE 315.58 ZAC 43.14 ETC 228.82 CLP 83.49

PLANETOCENTRIC CONIC

C31399.387 VHL 37.408 DLA -25.41 RAL 114.98 RAD 6573.2 VEL 38.996 PTH 3.55 VMP 46.701 DPA 28.50 RAP 286.99 ECC24.0304
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 26 18 1944.41 -12.23 25.05 20.57 115.74 9 58 42 1344.4 -8.67 18.19
 90.00 13 10 46 1203.79 11.08 343.12 31.81 116.23 13 30 50 603.8 14.51 336.13
 100.00 10 23 15 1760.54 -15.26 10.04 19.05 116.02 10 52 35 1160.5 -11.63 3.12
 100.00 14 56 31 862.89 14.09 319.57 33.35 116.64 15 10 54 262.9 17.55 312.49
 110.00 10 46 12 1688.51 -21.86 1.11 15.59 116.96 11 14 21 1088.5 -18.07 354.03
 110.00 16 50 3 5795.73 20.65 274.04 36.88 117.87 18 26 38 5195.7 24.21 266.70

DIFFERENTIAL CORRECTIONS

TDE 8.7620 TRA .8727 TC3 -.1298 BAU 5.9158 MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 RD-17.7878 RRA 7.0773 RC3 .2883 FAU-.10887 SGT 1663.2 SGR 3676.5 SG3 75.7 ST 1343.1 SR 2748.9 SS 2695.6
 FDE-4.3284 FRA 1.5963 FC3 .0674 BSP 11426 RRT -.9115 RRF .9997 RTF -.9195 CRT -.9865 CRS-1.0000 CST .9880
 BOE19.8287 BRA 7.1309 BC3 .3162 FSP -218 SGB 4035.2 R23 -.0471 R13 .9987 LSA 4072.5 MSA 202.8 SSA 1.6
 EL1 3053.0 EL2 197.9 ALF 115.85

LAUNCH DATE APR 18 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 437.217
 RL 150.20 LAL -.00 LOL 207.28 VL 27.399 GAL 5.99 AZL 49.02 MCA 183.74 SMA 130.57 ECC .18234 INC40.9754 V1 29.665
 RP 108.35 LAP -2.45 LOP 30.11 VP 37.860 GAP -3.81 AZP 130.92 TAL 151.09 TAP 334.83 RCA 106.76 APO 154.38 V2 34.977
 RC 62.420 GL 62.27 GP -73.22 ZAL 83.24 ZAP 85.16 ETS 152.31 ZAE 86.07 ETE 31.66 ZAC 88.20 ETC 95.74 CLP 73.01

PLANETOCENTRIC CONIC

C3 407.534 VHL 20.187 DLA 71.76 RAL 186.35 RAD 6572.1 VEL 22.996 PTH 3.28 VMP 27.040 DPA -82.07 RAP 85.85 ECC 7.7070
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 20.82 22 43 5 5025.49 -3.57 247.06 95.18 18.27 24 6 50 4425.5 -11.16 244.92
 159.18 9 23 23 3261.80 -3.56 94.88 95.16 18.27 10 17 44 2661.8 -11.15 92.75
 20.82 22 43 5 5025.49 -3.57 247.06 95.18 18.27 24 6 50 4425.5 -11.16 244.92
 159.18 9 23 23 3261.80 -3.56 94.88 95.16 18.27 10 17 44 2661.8 -11.15 92.75
 20.82 22 43 5 5025.49 -3.57 247.06 95.18 18.27 24 6 50 4425.5 -11.16 244.92
 159.18 9 23 23 3261.80 -3.56 94.88 95.16 18.27 10 17 44 2661.8 -11.15 92.75

DIFFERENTIAL CORRECTIONS

TDE -.5059 TRA-3.4965 TC3 -.2217 BAU 1.7935 MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 RDE 2.5493 RRA-3.8086 RC3 -.2834 FAU-.03271 SGT 3298.2 SGR 3663.4 SG3 92.7 ST 962.5 SR 1264.2 SS 765.4
 FDE -.3820 FRA 1.1357 FC3 .0695 BSP 14688 RRT .9708 RRF -.9952 RTF -.9895 CRT .7255 CRS .9632 CST .8837
 BOE 2.5991 BRA 5.1702 BC3 .3292 FSP -283 SGB 4929.4 R23 -.0106 R13 -.9999 LSA 1671.1 MSA 563.9 SSA .7
 EL1 1485.5 EL2 563.8 ALF 55.42

LAUNCH DATE APR 18 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 443.158
 RL 150.20 LAL -.00 LOL 207.28 VL 27.422 GAL 6.02 AZL 68.90 MCA 186.46 SMA 130.73 ECC .18148 INC21.0997 V1 29.665
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.889 GAP -3.45 AZP 110.98 TAL 150.73 TAP 337.18 RCA 107.00 APO 154.46 V2 34.990
 RC 64.367 GL 63.71 GP -82.19 ZAL 77.37 ZAP 82.27 ETS 82.27 ZAE 99.78 ETE 325.21 ZAC 98.54 ETC 31.14 CLP 8.18

PLANETOCENTRIC CONIC

C3 119.911 VHL 10.950 DLA 66.76 RAL 199.93 RAD 6570.2 VEL 15.532 PTH 2.77 VMP 15.195 DPA -68.98 RAP 116.27 ECC 2.9734
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 26.63 23 49 50 4829.90 -14.63 239.46 103.51 24.06 25 10 20 4229.9 -21.91 236.38
 153.37 10 4 59 3099.06 -14.62 93.45 103.49 24.06 10 56 38 2499.1 -21.90 90.36
 26.63 23 49 50 4829.90 -14.63 239.46 103.51 24.06 25 10 20 4229.9 -21.91 236.38
 153.37 10 4 59 3099.06 -14.62 93.45 103.49 24.06 10 56 38 2499.1 -21.90 90.36
 26.63 23 49 50 4829.90 -14.63 239.46 103.51 24.06 25 10 20 4229.9 -21.91 236.38
 153.37 10 4 59 3099.06 -14.62 93.45 103.49 24.06 10 56 38 2499.1 -21.90 90.36

DIFFERENTIAL CORRECTIONS

TDE 3.3453 TRA-3.3456 TC3 -.1640 BAU .2629 MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 RDE -.1348 RRA 1.4979 RC3 .0016 FAU-.00454 SGT 4783.1 SGR 1987.8 SG3 145.1 ST 2199.0 SR 600.1 SS 947.8
 FDE-1.0366 FRA 1.1975 FC3 .0328 BSP 15942 RRT -.9401 RRF .9564 RTF -.9984 CRT -.6946 CRS -.7437 CST .9975
 BOE 3.3480 BRA 3.6656 BC3 .1640 FSP -456 SGB 5179.7 R23 -.0035 R13 .9997 LSA 2431.8 MSA 424.9 SSA 1.4
 EL1 2239.7 EL2 423.9 ALF 168.86

LAUNCH DATE APR 18 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 449.449
 RL 150.20 LAL -.00 LOL 207.28 VL 27.442 GAL 6.00 AZL 76.66 MCA 189.48 SMA 130.87 ECC .18030 INC13.3441 V1 29.665
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.915 GAP -3.01 AZP 103.17 TAL 150.57 TAP 340.05 RCA 107.27 APO 154.47 V2 35.003
 RC 66.356 GL 58.12 GP -77.58 ZAL 71.23 ZAP 80.41 ETS 47.72 ZAE 108.08 ETE 293.65 ZAC 103.50 ETC 2.53 CLP -39.27

PLANETOCENTRIC CONIC

C3 55.024 VHL 7.418 DLA 60.28 RAL 195.40 RAD 6569.0 VEL 13.281 PTH 2.43 VMP 10.539 DPA -60.85 RAP 123.76 ECC 1.9056
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 34.27 23 49 53 4623.81 -24.03 227.48 90.67 32.87 25 6 56 4023.8 -30.66 222.86
 145.73 9 28 49 2952.58 -24.02 90.30 90.66 32.87 10 18 2 2352.6 -30.65 85.68
 34.27 23 49 53 4623.81 -24.03 227.48 90.67 32.87 25 6 56 4023.8 -30.66 222.86
 145.73 9 28 49 2952.58 -24.02 90.30 90.66 32.87 10 18 2 2352.6 -30.65 85.68
 34.27 23 49 53 4623.81 -24.03 227.48 90.67 32.87 25 6 56 4023.8 -30.66 222.86
 145.73 9 28 49 2952.58 -24.02 90.30 90.66 32.87 10 18 2 2352.6 -30.65 85.68

DIFFERENTIAL CORRECTIONS

TDE 1.7075 TRA-1.6459 TC3 -.0214 BAU .1750 MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 RDE-1.0982 RRA 2.7190 RC3 -.2369 FAU .00983 SGT 2883.9 SGR 4334.6 SG3 227.6 ST 1526.9 SR 1528.0 SS 963.9
 FDE -.9603 FRA 1.6160 FC3 -.1547 BSP 16360 RRT -.9577 RRF .9961 RTF -.9775 CRT -.8986 CRS -.9824 CST .9647
 BOE 2.0302 BRA 3.1784 BC3 .2379 FSP -730 SGB 5206.3 R23 -.0059 R13 .9994 LSA 2314.6 MSA 487.6 SSA 2.3
 EL1 2104.6 EL2 486.4 ALF 134.98

LAUNCH DATE APR 18 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 455.828

RL 150.20 LAL -1.00 LOL 207.28 VL 27.458 GAL 5.98 AZL 80.65 HCA 192.59 SMA 130.99 ECC .17923 INC 9.3489 V1 29.665
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.939 GAP -2.55 AZP 99.13 TAL 150.46 TAP 343.05 RCA 107.51 APO 154.47 V2 35.016
 RC 68.382 GL 50.87 GP -71.95 ZAL 65.43 ZAP 79.77 ETS 33.90 ZAE 114.21 ETE 282.40 ZAC 106.85 ETC 354.52 CLP -55.05

PLANETOCENTRIC CONIC

C3 32.704 VHL 5.719 DLA 53.49 RAL 189.33 RAD 6568.3 VEL 12.413 PTH 2.24 VHP 8.186 DPA -54.69 RAP 127.63 ECC 1.5382
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 42.52 23 47 57 4448.12 -28.82 213.33 75.30 42.77 25 2 5 3848.1 -34.54 207.16
 137.48 8 42 16 2866.93 -28.81 86.96 75.29 42.77 9 30 3 2266.9 -34.52 80.79
 42.52 23 47 57 4448.12 -28.82 213.33 75.30 42.77 25 2 5 3848.1 -34.54 207.16
 137.48 8 42 16 2866.93 -28.81 86.96 75.29 42.77 9 30 3 2266.9 -34.52 80.79
 42.52 23 47 57 4448.12 -28.82 213.33 75.30 42.77 25 2 5 3848.1 -34.54 207.16
 137.48 8 42 16 2866.93 -28.81 86.96 75.29 42.77 9 30 3 2266.9 -34.52 80.79

DIFFERENTIAL CORRECTIONS

TOE .9486 TRA -.9586 TC3 -.0132 BAU .2884
 RDE -.8591 RRA 2.7808 RC3 -.6595 FAU .02236
 FDE -.8925 FRA 2.1890 FC3 -.5920 BSP 16279
 BDE 1.2798 BRA 2.9414 BC3 .6596 FSP -1068

MID-COURSE EXECUTION ACCURACY

SGT 1873.4 SGR 4820.6 SG3 332.9
 RRT -.9264 RRF .9983 RTF -.9407
 SGB 5171.8 R23 -.0051 R13 .9992
 SG1 5129.2 SG2 663.0 TMA 110.15

ORBIT DETERMINATION ACCURACY

ST 1066.7 SR 1647.7 SS 1005.9
 CRT -.8525 CRS -.9915 CST .9132
 LSA 2152.0 MSA 483.2 SSA 3.3
 EL1 1902.5 EL2 482.9 ALF 121.12

LAUNCH DATE APR 18 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 462.231

RL 150.20 LAL -1.00 LOL 207.28 VL 27.472 GAL 5.96 AZL 83.08 HCA 195.74 SMA 131.09 ECC .17837 INC 6.9233 V1 29.665
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.962 GAP -2.09 AZP 96.67 TAL 150.36 TAP 346.10 RCA 107.70 APO 154.47 V2 35.029
 RC 70.443 GL 43.49 GP -67.06 ZAL 60.30 ZAP 80.27 ETS 24.93 ZAE 119.09 ETE 275.40 ZAC 109.62 ETC 351.09 CLP -64.32

PLANETOCENTRIC CONIC

C3 22.906 VHL 4.786 DLA 46.75 RAL 184.19 RAD 6567.9 VEL 12.012 PTH 2.14 VHP 6.797 DPA -49.52 RAP 129.76 ECC 1.3770
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.10 23 55 9 4294.11 -29.71 198.60 61.74 52.08 25 6 43 3694.1 -34.41 191.37
 128.90 7 54 4 2844.02 -29.70 85.58 61.73 52.07 8 41 28 2244.0 -34.40 78.35
 51.10 23 55 9 4294.11 -29.71 198.60 61.74 52.08 25 6 43 3694.1 -34.41 191.37
 128.90 7 54 4 2844.02 -29.70 85.58 61.73 52.07 8 41 28 2244.0 -34.40 78.35
 51.10 23 55 9 4294.11 -29.71 198.60 61.74 52.08 25 6 43 3694.1 -34.41 191.37
 128.90 7 54 4 2844.02 -29.70 85.58 61.73 52.07 8 41 28 2244.0 -34.40 78.35

DIFFERENTIAL CORRECTIONS

TOE .6035 TRA -.5443 TC3 -.1052 BAU .3421
 RDE -.6827 RRA 2.7314 RC3 -1.1121 FAU .03472
 FDE -.9162 FRA 2.8423 FC3 -1.3123 BSP 16100
 BDE .9112 BRA 2.7851 BC3 1.1171 FSP -1457

MID-COURSE EXECUTION ACCURACY

SGT 1198.6 SGR 4957.7 SG3 452.6
 RRT -.8452 RRF .9986 RTF -.8582
 SGB 5100.6 R23 .0010 R13 .9989
 SG1 5061.8 SG2 627.5 TMA 101.73

ORBIT DETERMINATION ACCURACY

ST 776.8 SR 1649.0 SS 1086.7
 CRT -.7799 CRS -.9933 CST .8469
 LSA 2072.9 MSA 454.4 SSA 4.3
 EL1 1765.3 EL2 454.2 ALF 111.68

LAUNCH DATE APR 18 1967

FLIGHT TIME 178.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 468.637

RL 150.20 LAL -1.00 LOL 207.28 VL 27.484 GAL 5.95 AZL 84.71 HCA 198.91 SMA 131.17 ECC .17775 INC 5.2910 V1 29.665
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.982 GAP -1.63 AZP 95.01 TAL 150.25 TAP 349.16 RCA 107.85 APO 154.48 V2 35.042
 RC 72.534 GL 36.53 GP -62.78 ZAL 55.97 ZAP 81.77 ETS 17.73 ZAE 123.10 ETE 269.37 ZAC 112.21 ETC 349.07 CLP -71.76

PLANETOCENTRIC CONIC

C3 17.935 VHL 4.235 DLA 40.39 RAL 180.15 RAD 6567.7 VEL 11.803 PTH 2.09 VHP 5.896 DPA -44.95 RAP 130.81 ECC 1.2952
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.91 0 18 17 4141.25 -28.21 183.75 51.06 59.81 1 27 19 3541.2 -31.99 176.01
 120.09 7 2 37 2880.22 -28.20 87.65 51.05 59.80 7 50 37 2280.2 -31.98 79.92
 59.91 0 18 17 4141.25 -28.21 183.75 51.06 59.81 1 27 19 3541.2 -31.99 176.01
 120.09 7 2 37 2880.22 -28.20 87.65 51.05 59.80 7 50 37 2280.2 -31.98 79.92
 59.91 0 18 17 4141.25 -28.21 183.75 51.06 59.81 1 27 19 3541.2 -31.99 176.01
 120.09 7 2 37 2880.22 -28.20 87.65 51.05 59.80 7 50 37 2280.2 -31.98 79.92

DIFFERENTIAL CORRECTIONS

TOE .4061 TRA -.2089 TC3 -.2940 BAU .3685
 RDE -.6043 RRA 2.6611 RC3 -1.5085 FAU .04662
 FDE -1.0318 FRA 3.5351 FC3 -2.2503 BSP 15768
 BDE .7280 BRA 2.6693 BC3 1.5369 FSP -1863

MID-COURSE EXECUTION ACCURACY

SGT 708.1 SGR 4964.0 SG3 579.6
 RRT -.5361 RRF .9986 RTF -.5518
 SGB 5014.2 R23 .0103 R13 .9987
 SG1 4978.7 SG2 596.0 TMA 94.44

ORBIT DETERMINATION ACCURACY

ST 560.6 SR 1637.2 SS 1194.8
 CRT -.6610 CRS -.9934 CST .7425
 LSA 2061.9 MSA 413.1 SSA 5.3
 EL1 1681.3 EL2 409.6 ALF 103.57

LAUNCH DATE APR 18 1967

FLIGHT TIME 180.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 475.036

RL 150.20 LAL -1.00 LOL 207.28 VL 27.492 GAL 5.96 AZL 85.89 HCA 202.09 SMA 131.23 ECC .17738 INC 4.1129 V1 29.665
 RP 108.10 LAP -1.55 LOP 49.32 VP 38.001 GAP -1.17 AZP 93.81 TAL 150.12 TAP 352.21 RCA 107.95 APO 154.51 V2 35.056
 RC 74.652 GL 30.22 GP -58.95 ZAL 52.46 ZAP 84.11 ETS 11.49 ZAE 126.40 ETE 263.39 ZAC 114.77 ETC 347.64 CLP -78.52

PLANETOCENTRIC CONIC

C3 15.185 VHL 3.897 DLA 34.56 RAL 177.00 RAD 6567.6 VEL 11.686 PTH 2.06 VHP 5.277 DPA -40.75 RAP 131.15 ECC 1.2499
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.30 0 54 14 3961.00 -25.54 167.54 43.11 65.88 2 0 14 3361.0 -28.57 159.64
 110.70 6 1 32 2984.27 -25.52 94.57 43.10 65.86 6 51 16 2384.3 -28.56 86.68
 69.30 0 54 14 3961.00 -25.54 167.54 43.11 65.88 2 0 14 3361.0 -28.57 159.64
 110.70 6 1 32 2984.27 -25.52 94.57 43.10 65.86 6 51 16 2384.3 -28.56 86.68
 69.30 0 54 14 3961.00 -25.54 167.54 43.11 65.88 2 0 14 3361.0 -28.57 159.64
 110.70 6 1 32 2984.27 -25.52 94.57 43.10 65.86 6 51 16 2384.3 -28.56 86.68

DIFFERENTIAL CORRECTIONS

TOE .2643 TRA .1020 TC3 -.5587 BAU .3857
 RDE -.5845 RRA 2.5727 RC3 -1.8158 FAU .05810
 FDE -1.2320 FRA 4.2232 FC3 -3.3123 BSP 15487
 BDE .6415 BRA 2.5748 BC3 1.8998 FSP -2282

MID-COURSE EXECUTION ACCURACY

SGT 611.4 SGR 4882.8 SG3 706.2
 RRT .3748 RRF .9985 RTF .3589
 SGB 4921.0 R23 .0220 R13 .9983
 SG1 4888.3 SG2 566.2 TMA 87.28

ORBIT DETERMINATION ACCURACY

ST 392.6 SR 1624.7 SS 1321.9
 CRT -.4046 CRS -.9931 CST .5089
 LSA 2098.6 MSA 370.1 SSA 6.3
 EL1 1632.8 EL2 357.3 ALF 95.87

LAUNCH DATE APR 18 1967

FLIGHT TIME 182.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC
 RL 150.20 LAL -1.00 LOL 207.28 VL 27.499 GAL 5.98 AZL 86.78 HCA 205.28 SMA 131.28 ECC .17726 INC 3.2184 V1 29.665
 RP 108.06 LAP -1.37 LOP 52.53 VP 38.017 GAP -.71 AZP 92.91 TAL 149.97 TAP 355.25 RCA 108.01 APO 154.55 V2 35.069
 RC 76.795 GL 24.62 GP -55.40 ZAL 49.70 ZAP 87.15 ETS 5.93 ZAE 129.08 ETE 257.19 ZAC 117.36 ETC 346.55 CLP -84.97

PLANETOCENTRIC CONIC
 C3 13.590 VHL 3.686 DLA 29.35 RAL 174.53 RAD 6567.5 VEL 11.618 PTH 2.04 VMP 4.839 DPA -36.79 RAP 131.01 ECC 1.2237
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.96 2 11 58 3661.54 -22.43 143.50 37.31 70.57 3 13 0 3061.5 -24.87 -135.60
 98.04 4 24 5 3234.63 -22.42 112.16 37.30 70.55 5 18 0 2634.6 -24.86 104.26
 100.00 5 27 23 3031.86 -26.00 98.37 38.53 74.70 6 17 55 2431.9 -27.84 90.05
 100.00 3 51 21 3339.54 -18.94 118.46 35.84 66.43 4 47 1 2739.5 -21.96 110.98
 110.00 8 3 45 2542.02 -33.64 62.91 40.23 83.53 8 46 7 1942.0 -34.17 53.71
 110.00 3 31 29 3402.14 -12.06 119.41 32.06 57.77 4 28 11 2802.1 -16.23 112.78

MID-COURSE EXECUTION ACCURACY
 SGT 991.5 SGR 4735.4 SG3 825.8
 RRT .8359 RRF .9983 RTF .8262
 SGB 4838.1 R23 .0349 R13 .9978
 SGI 4808.3 SG2 535.9 TMA 79.95

ORBIT DETERMINATION ACCURACY
 ST 306.1 SR 1607.6 SS 1459.8
 CRT .1776 CRS -.9927 CST -.0578
 LSA 2167.9 MSA 330.5 SSA 7.3
 EL1 1608.5 EL2 301.1 ALF 87.99

DIFFERENTIAL CORRECTIONS
 TDE .1394 TRA .4028 TC3 -.8794 BAU .3984
 RDE -.5886 RRA 2.4699 RC3-2.0085 FAU .06850
 FDE-1.4917 FRA 4.8772 FC3-4.3635 BSP 15196
 BDE .6048 BRA 2.5025 BC3 2.1926 FSP -2682

LAUNCH DATE APR 18 1967

FLIGHT TIME 184.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC
 RL 150.20 LAL -1.00 LOL 207.28 VL 27.503 GAL 6.02 AZL 87.49 HCA 208.48 SMA 131.31 ECC .17738 INC 2.5124 V1 29.665
 RP 108.02 LAP -1.20 LOP 55.74 VP 38.032 GAP -.26 AZP 92.21 TAL 149.80 TAP 358.28 RCA 108.01 APO 154.60 V2 35.082
 RC 78.958 GL 19.70 GP -52.05 ZAL 47.56 ZAP 90.73 ETS .98 ZAE 131.17 ETE 250.73 ZAC 119.98 ETC 345.76 CLP -91.19

PLANETOCENTRIC CONIC
 C3 12.659 VHL 3.558 DLA 24.72 RAL 172.58 RAD 6567.5 VEL 11.578 PTH 2.02 VMP 4.526 DPA -33.01 RAP 130.55 ECC 1.2083
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 15 5 3019.24 -27.88 97.83 34.85 84.81 6 5 24 2419.2 -28.30 89.19
 90.00 1 5 25 3846.25 -11.12 151.98 29.88 63.79 2 9 32 3246.3 -14.56 144.99
 100.00 6 58 18 2686.45 -29.77 73.49 35.00 87.19 7 43 4 2086.5 -29.84 64.69
 100.00 2 4 53 3654.27 -9.44 136.99 28.99 61.50 3 5 48 3054.3 -13.17 130.19
 110.00 8 48 35 2341.40 -34.09 47.29 35.01 92.74 9 27 36 1741.4 -33.33 38.13
 110.00 2 31 5 3572.09 -5.74 128.52 26.78 56.24 3 30 37 2972.1 -10.14 122.18

MID-COURSE EXECUTION ACCURACY
 SGT 1513.7 SGR 4529.7 SG3 931.7
 RRT .9372 RRF .9981 RTF .9304
 SGB 4776.0 R23 .0479 R13 .9970
 SGI 4749.3 SG2 503.5 TMA 72.41

ORBIT DETERMINATION ACCURACY
 ST 372.4 SR 1579.8 SS 1600.6
 CRT .7482 CRS -.9923 CST -.6606
 LSA 2260.2 MSA 296.9 SSA 8.2
 EL1 1604.8 EL2 243.2 ALF 79.76

DIFFERENTIAL CORRECTIONS
 TDE .0157 TRA .6968 TC3-1.2290 BAU .4107
 RDE -.5990 RRA 2.3509 RC3-2.0923 FAU .07749
 FDE-1.7889 FRA 5.4620 FC3-5.2998 BSP 14957
 BDE .5992 BRA 2.4520 BC3 2.4265 FSP -3046

LAUNCH DATE APR 18 1967

FLIGHT TIME 186.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC
 RL 150.20 LAL -1.00 LOL 207.28 VL 27.505 GAL 6.06 AZL 88.06 HCA 211.68 SMA 131.32 ECC .17776 INC 1.9380 V1 29.665
 RP 107.98 LAP -1.02 LOP 58.95 VP 38.046 GAP .19 AZP 91.65 TAL 149.60 TAP 1.29 RCA 107.98 APO 154.67 V2 35.094
 RC 81.139 GL 15.40 GP -48.82 ZAL 45.91 ZAP 94.73 ETS 356.60 ZAE 132.68 ETE 244.09 ZAC 122.60 ETC 345.29 CLP -97.19

PLANETOCENTRIC CONIC
 C3 12.140 VHL 3.484 DLA 20.65 RAL 171.03 RAD 6567.5 VEL 11.555 PTH 2.02 VMP 4.307 DPA -29.37 RAP 129.92 ECC 1.1998
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 6 4 2807.28 -28.21 82.36 31.28 92.55 6 52 51 2207.3 -27.56 73.75
 90.00 0 2 6 4040.42 -5.09 163.06 25.89 62.11 1 9 26 3440.4 -8.79 156.33
 100.00 7 41 2 2501.05 -29.59 59.73 31.18 94.41 8 22 43 1901.0 -28.67 51.05
 100.00 1 9 49 3821.89 -3.88 146.33 25.22 60.34 2 13 31 3221.9 -7.80 139.73
 110.00 9 18 15 2196.92 -33.05 36.15 30.70 99.25 9 54 52 1596.9 -31.42 27.30
 110.00 1 49 6 3698.78 -.92 135.15 23.38 55.83 2 50 45 3098.8 -5.40 128.93

MID-COURSE EXECUTION ACCURACY
 SGT 2057.3 SGR 4277.8 SG3 1018.9
 RRT .9679 RRF .9977 RTF .9623
 SGB 4746.8 R23 .0600 R13 .9960
 SGI 4723.7 SG2 468.3 TMA 64.77

ORBIT DETERMINATION ACCURACY
 ST 551.4 SR 1537.9 SS 1737.8
 CRT .9348 CRS -.9919 CST -.8823
 LSA 2369.8 MSA 269.9 SSA 9.0
 EL1 1623.2 EL2 185.5 ALF 71.21

DIFFERENTIAL CORRECTIONS
 TDE -.1130 TRA .9828 TC3-1.5818 BAU .4245
 RDE -.6067 RRA 2.2184 RC3-2.0827 FAU .08474
 FDE-2.1021 FRA 5.9514 FC3-6.0431 BSP 14835
 BDE .6171 BRA 2.4264 BC3 2.6152 FSP -3362

LAUNCH DATE APR 18 1967

FLIGHT TIME 188.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC
 RL 150.20 LAL -1.00 LOL 207.28 VL 27.506 GAL 6.13 AZL 88.54 HCA 214.89 SMA 131.32 ECC .17838 INC 1.4588 V1 29.665
 RP 107.94 LAP -.83 LOP 62.17 VP 38.058 GAP .65 AZP 91.20 TAL 149.38 TAP 4.27 RCA 107.90 APO 154.75 V2 35.107
 RC 83.336 GL 11.65 GP -45.69 ZAL 44.64 ZAP 99.00 ETS 352.77 ZAE 133.63 ETE 237.45 ZAC 125.15 ETC 345.19 CLP -102.94

PLANETOCENTRIC CONIC
 C3 11.898 VHL 3.449 DLA 17.06 RAL 169.81 RAD 6567.5 VEL 11.545 PTH 2.02 VMP 4.160 DPA -25.86 RAP 129.21 ECC 1.1958
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 39 43 2658.85 -27.29 71.60 28.34 97.86 7 24 2 2058.8 -25.92 63.20
 90.00 23 14 46 4180.35 -.60 170.89 23.42 61.69 24 24 26 3580.3 -4.38 164.24
 100.00 8 10 50 2364.98 -28.47 49.78 28.13 99.53 8 50 15 1765.0 -26.86 41.35
 100.00 0 30 15 3949.45 .44 153.33 22.84 60.11 1 36 5 3349.4 -3.54 146.81
 110.00 9 40 38 2084.01 -31.50 27.71 27.40 104.02 10 15 22 1484.0 -29.25 19.23
 110.00 1 16 56 3803.18 3.07 140.60 21.20 55.94 2 20 20 3203.2 -1.42 134.39

MID-COURSE EXECUTION ACCURACY
 SGT 2589.1 SGR 3991.3 SG3 1083.2
 RRT .9803 RRF .9973 RTF .9754
 SGB 4757.5 R23 .0695 R13 .9949
 SGI 4737.9 SG2 431.0 TMA 57.24

ORBIT DETERMINATION ACCURACY
 ST 776.1 SR 1478.1 SS 1863.1
 CRT .9822 CRS -.9913 CST -.9491
 LSA 2489.2 MSA 249.3 SSA 9.7
 EL1 1664.5 EL2 129.4 ALF 62.54

DIFFERENTIAL CORRECTIONS
 TDE -.2483 TRA 1.2591 TC3-1.9161 BAU .4402
 RDE -.6054 RRA 2.0767 RC3-1.9969 FAU .08985
 FDE-2.4056 FRA 6.3275 FC3-6.5376 BSP 14825
 BDE .6543 BRA 2.4286 BC3 2.7675 FSP -3607

LAUNCH DATE APR 18 1967

FLIGHT TIME 190.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC
 RL 150.20 LAL -.00 LOL 207.28 VL 27.504 GAL 6.20 AZL 88.95 MCA 218.10 SMA 131.31 ECC .17925 INC 1.0507 V1 29.665
 RP 107.91 LAP -.65 LOP 65.38 VP 38.068 GAP 1.10 AZP 90.83 TAL 149.12 TAP 7.23 RCA 107.78 APO 154.85 V2 35.119
 RC 85.546 GL 8.38 GP -42.66 ZAL 43.65 ZAP 103.42 ETS 349.46 ZAE 134.06 ETE 231.01 ZAC 127.56 ETC 345.48 CLP-108.40

PLANETOCENTRIC CONIC
 C3 11.853 VML 3.443 DLA 13.90 RAL 168.84 RAD 6567.5 VEL 11.543 PTH 2.01 VMP 4.073 OPA -22.49 RAP 128.52 ECC 1.1951
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 5 20 2543.67 -25.96 63.44 26.12 101.74 7 47 44 1943.7 -24.08 55.27
 90.00 22 41 28 4293.93 3.07 177.22 21.89 61.84 23 53 2 3693.9 -.72 170.59
 100.00 8 34 1 2257.65 -27.02 42.14 25.85 103.30 9 11 39 1657.7 -24.92 33.97
 100.00 23 55 28 4055.18 4.02 159.14 21.36 60.35 25 3 3 3455.2 .04 152.61
 110.00 9 58 44 1992.57 -29.80 21.13 24.98 107.57 10 31 57 1392.6 -27.11 12.98
 110.00 0 51 10 3893.03 6.48 145.32 19.84 56.36 1 56 3 3293.0 2.02 139.08

DIFFERENTIAL CORRECTIONS
 TDE -.3893 TRA 1.5250 TC3-2.2139 BAU .4575
 RDE -.5923 RRA 1.9325 RC3-1.8533 FAU .09245
 FDE-2.6759 FRA 6.5883 FC3-6.7531 BSP 14905
 BDE .7088 BRA 2.4617 BC3 2.8872 FSP -3759

MID-COURSE EXECUTION ACCURACY
 SGT 3095.0 SGR 3684.6 SG3 1123.3
 RRT .9861 RRF .9967 RTF .9817
 SGB 4812.0 R23 .0752 R13 .9938
 SG1 4795.8 SG2 394.6 TMA 50.04

ORBIT DETERMINATION ACCURACY
 ST 1018.4 SR 1400.4 SS 1969.9
 CRT .9957 CRS -.9903 CST -.9735
 LSA 2612.2 MSA 233.8 SSA 10.4
 EL1 1729.8 EL2 76.1 ALF 54.01

LAUNCH DATE APR 18 1967

FLIGHT TIME 192.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC
 RL 150.20 LAL -.00 LOL 207.28 VL 27.501 GAL 6.30 AZL 89.30 MCA 221.32 SMA 131.29 ECC .18036 INC .6967 V1 29.665
 RP 107.87 LAP -.46 LOP 68.60 VP 38.077 GAP 1.55 AZP 90.52 TAL 148.84 TAP 10.16 RCA 107.61 APO 154.97 V2 35.131
 RC 87.767 GL 5.52 GP -39.74 ZAL 42.85 ZAP 107.88 ETS 346.64 ZAE 134.02 ETE 224.94 ZAC 129.77 ETC 346.17 CLP-113.54

PLANETOCENTRIC CONIC
 C3 11.958 VML 3.458 DLA 11.10 RAL 168.10 RAD 6567.5 VEL 11.548 PTH 2.02 VMP 4.035 OPA -19.29 RAP 127.90 ECC 1.1968
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 26 13 2450.44 -24.51 57.00 24.52 104.65 8 7 4 1850.4 -22.25 49.05
 90.00 22 14 38 4390.89 6.16 182.67 21.01 62.31 23 27 49 3790.9 2.41 176.00
 100.00 8 53 8 2170.12 -25.50 36.08 24.22 106.15 9 29 18 1570.1 -23.04 28.14
 100.00 23 30 24 4146.44 7.07 164.20 20.52 60.88 24 39 31 3546.4 3.13 157.62
 110.00 10 14 1 1917.06 -28.14 15.89 23.25 110.27 10 45 58 1317.1 -25.12 8.02
 110.00 0 29 57 3972.27 9.45 149.54 19.07 56.99 1 36 9 3372.3 5.03 143.23

DIFFERENTIAL CORRECTIONS
 TDE -.5357 TRA 1.7777 TC3-2.4682 BAU .4778
 RDE -.5711 RRA 1.7866 RC3-1.6851 FAU .09319
 FDE-2.9105 FRA 6.7226 FC3-6.7469 BSP 15174
 BDE .7830 BRA 2.5203 BC3 2.9886 FSP -3846

MID-COURSE EXECUTION ACCURACY
 SGT 3565.3 SGR 3369.5 SG3 1139.3
 RRT .9892 RRF .9958 RTF .9852
 SGB 4905.6 R23 .0762 R13 .9929
 SG1 4892.4 SG2 359.4 TMA 43.37

ORBIT DETERMINATION ACCURACY
 ST 1265.4 SR 1309.8 SS 2058.7
 CRT .9995 CRS -.9890 CST -.9841
 LSA 2739.6 MSA 223.4 SSA 10.9
 EL1 1821.0 EL2 29.6 ALF 45.99

LAUNCH DATE APR 18 1967

FLIGHT TIME 194.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC
 RL 150.20 LAL -.00 LOL 207.28 VL 27.496 GAL 6.41 AZL 89.61 MCA 224.54 SMA 131.26 ECC .18172 INC .3850 V1 29.665
 RP 107.83 LAP -.27 LOP 71.82 VP 38.084 GAP 2.00 AZP 90.27 TAL 148.53 TAP 13.07 RCA 107.40 APO 155.11 V2 35.143
 RC 89.996 GL 3.02 GP -36.96 ZAL 42.19 ZAP 112.30 ETS 344.25 ZAE 133.58 ETE 219.39 ZAC 131.71 ETC 347.24 CLP-118.35

PLANETOCENTRIC CONIC
 C3 12.186 VML 3.491 DLA 8.62 RAL 167.54 RAD 6567.5 VEL 11.557 PTH 2.02 VMP 4.039 OPA -16.27 RAP 127.41 ECC 1.2006
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 43 59 2373.26 -23.08 51.79 23.44 106.88 8 23 32 1773.3 -20.55 44.03
 90.00 21 52 24 4476.06 8.83 187.51 20.63 62.99 23 7 0 3876.1 5.13 180.77
 100.00 9 9 31 2097.39 -24.03 31.17 23.11 108.33 9 44 28 1497.4 -21.30 23.44
 100.00 23 9 33 4227.15 9.72 168.73 20.16 61.59 24 20 0 3627.2 5.85 162.08
 110.00 10 27 18 1853.95 -26.57 11.64 22.07 112.34 10 58 12 1254.0 -23.31 4.00
 110.00 0 12 11 4043.36 12.06 153.39 18.77 57.77 1 19 34 3443.4 7.71 146.99

DIFFERENTIAL CORRECTIONS
 TDE -.6859 TRA 2.0181 TC3-2.6730 BAU .4997
 RDE -.5419 RRA 1.6454 RC3-1.5039 FAU .09201
 FDE-3.0971 FRA 6.7478 FC3-6.5365 BSP 15578
 BDE .8741 BRA 2.6039 BC3 3.0671 FSP -3861

MID-COURSE EXECUTION ACCURACY
 SGT 3996.7 SGR 3058.5 SG3 1133.6
 RRT .9908 RRF .9945 RTF .9872
 SGB 5032.7 R23 .0719 R13 .9920
 SG1 5021.9 SG2 329.3 TMA 37.36

ORBIT DETERMINATION ACCURACY
 ST 1510.1 SR 1209.7 SS 2127.3
 CRT .9998 CRS -.9872 CST -.9895
 LSA 2867.4 MSA 216.6 SSA 11.4
 EL1 1934.8 EL2 18.1 ALF 38.70

LAUNCH DATE APR 18 1967

FLIGHT TIME 196.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC
 RL 150.20 LAL -.00 LOL 207.28 VL 27.490 GAL 6.53 AZL 89.89 MCA 227.76 SMA 131.21 ECC .18334 INC .1051 V1 29.665
 RP 107.80 LAP -.08 LOP 75.04 VP 38.090 GAP 2.45 AZP 90.07 TAL 148.19 TAP 15.95 RCA 107.16 APO 155.27 V2 35.154
 RC 92.232 GL .83 GP -34.32 ZAL 41.62 ZAP 116.60 ETS 342.25 ZAE 132.85 ETE 214.45 ZAC 133.35 ETC 348.63 CLP-122.83

PLANETOCENTRIC CONIC
 C3 12.521 VML 3.538 DLA 6.41 RAL 167.13 RAD 6567.5 VEL 11.572 PTH 2.02 VMP 4.080 OPA -13.47 RAP 127.07 ECC 1.2061
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 59 31 2308.49 -21.73 47.52 22.80 108.61 8 38 0 1708.5 -18.99 39.92
 90.00 21 33 38 4552.32 11.15 191.90 20.64 63.80 22 49 30 3952.3 7.54 185.08
 100.00 9 23 55 2036.29 -22.67 27.15 22.44 110.03 9 57 51 1436.3 -19.73 19.58
 100.00 22 51 55 4299.75 12.04 172.87 20.18 62.43 24 3 35 3699.8 8.25 166.13
 110.00 10 39 8 1800.87 -25.15 8.17 21.35 113.95 11 9 9 1200.9 -21.70 .72
 110.00 23 53 11 4107.94 14.37 156.96 18.83 58.65 25 1 39 3507.9 10.12 150.44

DIFFERENTIAL CORRECTIONS
 TDE -.8382 TRA 2.2479 TC3-2.8266 BAU .5223
 RDE -.5059 RRA 1.5128 RC3-1.3220 FAU .08916
 FDE-3.2308 FRA 6.6832 FC3-6.1650 BSP 16079
 BDE .9790 BRA 2.7095 BC3 3.1205 FSP -3809

MID-COURSE EXECUTION ACCURACY
 SGT 4388.5 SGR 2760.9 SG3 1109.8
 RRT .9914 RRF .9929 RTF .9884
 SGB 5184.7 R23 .0627 R13 .9914
 SG1 5175.7 SG2 306.6 TMA 32.08

ORBIT DETERMINATION ACCURACY
 ST 1747.3 SR 1103.9 SS 2174.7
 CRT .9985 CRS -.9845 CST -.9924
 LSA 2992.6 MSA 212.4 SSA 11.7
 EL1 2066.2 EL2 50.8 ALF 32.27

LAUNCH DATE APR 18 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 531.874

RL 150.20 LAL -.00 LOL 207.28 VL 27.482 GAL 6.67 AZL 90.14 MCA 230.98 SMA 131.16 ECC .18520 INC .1425 V1 29.665
 RP 107.77 LAP .11 LOP 78.27 VP 38.094 GAP 2.91 AZP 89.91 TAL 147.82 TAP 18.80 RCA 106.87 APO 155.45 V2 35.165
 RC 94.474 GL -1.09 GP -31.86 ZAL 41.11 ZAP 120.72 ETS 340.56 ZAE 131.90 ETE 210.13 ZAC 134.64 ETC 350.28 CLP-126.98

PLANETOCENTRIC CONIC

C3 12.951 VML 3.599 OLA 4.44 RAL 166.87 RAD 6567.5 VEL 11.590 PTH 2.03 VMP 4.152 OPA -10.89 RAP 126.91 ECC 1.2131
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 13 24 2253.75 -20.50 43.98 22.51 109.97 8 50 58 1653.7 -17.59 36.51
 90.00 21 17 37 4621.55 13.20 195.95 20.97 64.72 22 34 38 4021.6 9.69 189.04
 100.00 9 36 50 1984.65 -21.42 23.81 22.14 111.36 10 9 55 1384.6 -18.33 16.38
 100.00 22 36 52 4365.88 14.09 176.71 20.52 63.36 23 49 38 3765.9 10.40 169.86
 110.00 10 49 52 1756.09 -23.88 5.31 20.99 115.21 11 19 8 1156.1 -20.29 358.02
 110.00 23 40 20 4167.21 16.44 160.31 19.20 59.60 24 49 47 3567.2 12.29 153.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.9919 TRA 2.4684 TC3-2.9314 BAU .5452
 RDE -.4656 RRA 1.3906 RC3-1.1491 FAU .08506
 FDE -3.3152 FRA 6.5484 FC3-5.6857 BSP 16647
 BDE 1.0957 BRA 2.8331 BC3 3.1486 FSP -3705

SGT 4741.6 SGR 2482.8 SG3 1072.0
 RRT .9912 RRF .9906 RTF .9890
 SGB 5352.3 R23 .0496 R13 .9909
 SGI 5344.4 SG2 292.2 TMA 27.52

ST 1973.8 SR 997.0 SS 2203.2
 CRT .9960 CRS -.9809 CST -.9943
 LSA 3114.4 MSA 210.2 SSA 12.0
 EL1 2209.9 EL2 79.6 ALF 26.74

LAUNCH DATE APR 18 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 538.083

RL 150.20 LAL -.00 LOL 207.28 VL 27.473 GAL 6.83 AZL 90.37 MCA 234.21 SMA 131.09 ECC .18732 INC .3727 V1 29.665
 RP 107.73 LAP .30 LOP 81.49 VP 38.097 GAP 3.37 AZP 89.78 TAL 147.42 TAP 21.63 RCA 106.54 APO 155.65 V2 35.175
 RC 96.719 GL -2.77 GP -29.57 ZAL 40.63 ZAP 124.65 ETS 339.13 ZAE 130.82 ETE 206.42 ZAC 135.60 ETC 352.11 CLP-130.82

PLANETOCENTRIC CONIC

C3 13.474 VML 3.671 OLA 2.68 RAL 166.72 RAD 6567.5 VEL 11.613 PTH 2.03 VMP 4.252 OPA -8.55 RAP 126.93 ECC 1.2217
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 26 1 2207.30 -19.39 41.02 22.52 111.05 9 2 49 1607.3 -16.36 33.66
 90.00 21 3 49 4685.12 15.02 199.74 21.56 65.71 22 21 54 4085.1 11.61 192.72
 100.00 9 48 37 1940.90 -20.31 21.04 22.13 112.41 10 20 58 1340.9 -17.10 13.72
 100.00 22 23 55 4426.75 15.91 180.31 21.13 64.36 23 37 41 3826.8 12.33 173.35
 110.00 10 59 43 1718.33 -22.77 2.95 20.94 116.21 11 28 22 1118.3 -19.06 355.78
 110.00 23 29 17 4222.09 18.31 163.47 19.82 60.62 24 39 39 3622.1 14.25 156.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -1.1441 TRA 2.6843 TC3-2.9852 BAU .5663
 RDE -.4212 RRA 1.2811 RC3 -.9868 FAU .07974
 FDE -3.3467 FRA 6.3700 FC3-5.1237 BSP 17199
 BDE 1.2191 BRA 2.9743 BC3 3.1441 FSP -3546

SGT 5058.2 SGR 2228.1 SG3 1024.2
 RRT .9901 RRF .9876 RTF .9894
 SGB 5527.2 R23 .0350 R13 .9904
 SGI 5519.8 SG2 286.9 TMA 23.63

ST 2185.6 SR 890.7 SS 2211.0
 CRT .9920 CRS -.9757 CST -.9955
 LSA 3227.2 MSA 209.2 SSA 12.3
 EL1 2357.8 EL2 104.1 ALF 22.06

LAUNCH DATE APR 18 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 544.266

RL 150.20 LAL -.00 LOL 207.28 VL 27.463 GAL 7.01 AZL 90.58 MCA 237.44 SMA 131.02 ECC .18971 INC .5844 V1 29.665
 RP 107.70 LAP .49 LOP 84.72 VP 38.099 GAP 3.83 AZP 89.69 TAL 146.99 TAP 24.43 RCA 106.16 APO 155.88 V2 35.185
 RC 98.967 GL -4.25 GP -27.47 ZAL 40.16 ZAP 128.35 ETS 337.91 ZAE 129.67 ETE 203.26 ZAC 136.21 ETC 354.03 CLP-134.37

PLANETOCENTRIC CONIC

C3 14.087 VML 3.753 OLA 1.10 RAL 166.68 RAD 6567.6 VEL 11.639 PTH 2.04 VMP 4.376 OPA -6.43 RAP 127.14 ECC 1.2318
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 37 37 2167.91 -18.41 38.55 22.79 111.90 9 13 45 1567.9 -15.28 31.27
 90.00 20 51 53 4744.00 16.63 203.31 22.38 66.75 22 10 57 4144.0 13.34 196.17
 100.00 9 59 28 1903.89 -19.33 18.73 22.38 113.25 10 31 12 1303.9 -16.02 11.50
 100.00 22 12 43 4483.25 17.55 183.71 21.96 65.41 23 27 27 3883.3 14.08 176.63
 110.00 11 8 53 1686.62 -21.80 1.00 21.15 117.00 11 36 59 1086.6 -18.01 353.92
 110.00 23 19 48 4273.29 19.99 166.49 20.67 61.68 24 31 1 3673.3 16.05 159.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -1.2989 TRA 2.8925 TC3-3.0057 BAU .5881
 RDE -.3774 RRA 1.1819 RC3 -.8465 FAU .07427
 FDE -3.3494 FRA 6.1518 FC3-4.5640 BSP 17838
 BDE 1.3526 BRA 3.1247 BC3 3.1227 FSP -3380

SGT 5341.1 SGR 1998.1 SG3 970.2
 RRT .9882 RRF .9838 RTF .9895
 SGB 5702.6 R23 .0200 R13 .9901
 SGI 5695.4 SG2 286.9 TMA 20.34

ST 2385.7 SR 790.9 SS 2207.9
 CRT .9864 CRS -.9688 CST -.9963
 LSA 3338.8 MSA 209.0 SSA 12.5
 EL1 2510.3 EL2 123.6 ALF 18.15

LAUNCH DATE APR 18 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 550.421

RL 150.20 LAL -.00 LOL 207.28 VL 27.452 GAL 7.20 AZL 90.78 MCA 240.67 SMA 130.94 ECC .19238 INC .7813 V1 29.665
 RP 107.67 LAP .68 LOP 87.95 VP 38.100 GAP 4.30 AZP 89.62 TAL 146.54 TAP 27.21 RCA 105.75 APO 156.13 V2 35.195
 RC 101.218 GL -5.54 GP -25.55 ZAL 39.69 ZAP 131.83 ETS 336.84 ZAE 128.50 ETE 200.59 ZAC 136.50 ETC 355.97 CLP-137.66

PLANETOCENTRIC CONIC

C3 14.794 VML 3.846 OLA -.33 RAL 166.73 RAD 6567.6 VEL 11.670 PTH 2.05 VMP 4.523 OPA -4.55 RAP 127.53 ECC 1.2435
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 48 22 2134.63 -17.55 36.48 23.28 112.58 9 23 56 1534.6 -14.34 29.28
 90.00 20 41 32 4798.97 18.08 206.69 23.40 67.83 22 1 31 4199.0 14.91 199.45
 100.00 10 9 33 1872.74 -18.49 16.80 22.86 113.92 10 40 46 1272.7 -15.10 9.65
 100.00 22 3 2 4536.09 19.01 186.95 22.99 66.49 23 18 38 3936.1 15.67 179.75
 110.00 11 17 27 1660.21 -20.98 359.39 21.58 117.63 11 45 7 1060.2 -17.11 352.40
 110.00 23 11 38 4321.38 21.52 169.38 21.72 62.77 24 23 39 3721.4 17.69 162.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -1.4533 TRA 3.0989 TC3-2.9892 BAU .6082
 RDE -.3333 RRA 1.0945 RC3 -.7228 FAU .06844
 FDE -3.3200 FRA 5.9177 FC3-4.0050 BSP 18457
 BDE 1.4910 BRA 3.2865 BC3 3.0754 FSP -3195

SGT 5593.3 SGR 1792.7 SG3 913.0
 RRT .9853 RRF .9787 RTF .9895
 SGB 5873.5 R23 .0064 R13 .9898
 SGI 5866.3 SG2 292.0 TMA 17.57

ST 2570.9 SR 697.2 SS 2191.9
 CRT .9783 CRS -.9591 CST -.9969
 LSA 3443.2 MSA 209.3 SSA 12.6
 EL1 2660.1 EL2 139.6 ALF 14.90

LAUNCH DATE APR 18 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 556.548

RL 150.20 LAL -1.00 LOL 207.28 VL 27.440 GAL 7.41 AZL 90.97 HCA 243.90 SMA 130.85 ECC .19532 INC .9665 V1 29.665
 RP 107.65 LAP .87 LOP 91.18 VP 38.099 GAP 4.77 AZP 89.57 TAL 146.06 TAP 29.97 RCA 105.29 APO 156.41 V2 35.204
 RC 103.470 GL -6.67 GP -23.80 ZAL 39.22 ZAP 135.08 ETS 335.87 ZAE 127.34 ETE 198.34 ZAC 136.49 ETC 357.86 CLP-140.71

PLANETOCENTRIC CONIC

C3 15.997 VHL 3.949 DLA -1.61 RAL 166.86 RAD 6567.6 VEL 11.704 PTH 2.06 VMP 4.689 DPA -2.89 RAP 128.09 ECC 1.2567
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 58 24 2106.73 -16.81 34.77 23.96 113.12 9 33 31 1506.7 -13.54 27.62
 90.00 20 32 33 4850.63 -19.37 209.93 24.60 68.94 21 53 24 4250.6 16.34 202.57
 100.00 10 19 0 1846.75 -17.76 15.21 23.53 114.45 10 49 47 1246.8 -14.31 8.12
 100.00 21 54 39 4585.83 20.34 190.05 24.20 67.61 23 11 5 3985.8 17.12 182.73
 110.00 11 23 31 1638.51 -20.29 358.09 22.21 118.12 11 52 50 1038.5 -16.37 351.15
 110.00 23 4 37 4366.84 22.90 172.18 22.95 63.90 24 17 23 3766.8 19.21 164.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.6080 TRA 3.3046 TC3-2.9430 BAU .6270 SGT 5817.9 SGR 1610.8 SG3 834.8 ST 2741.8 SR 611.1 SS 2166.0
 RDE -.2899 RRA 1.0176 RC3 -.6160 FAU .06257 RRT .9812 RRF .9724 RTF .9894 CRT .9667 CRS -.9458 CST -.9974
 FDE-3.2673 FRA 5.6773 FC3-3.4729 BSP 19058 SGB 6036.8 R23 -.0052 R13 .9895 LSA 3540.9 MSA 209.9 SSA 12.7
 BDE 1.6340 BRA 3.4577 BC3 3.0068 FSP -3003 SGI 6029.3 SG2 300.1 TMA 15.24 EL1 2804.9 EL2 152.8 ALF 12.20

LAUNCH DATE APR 18 1967

FLIGHT TIME 208.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 562.644

RL 150.20 LAL -1.00 LOL 207.28 VL 27.426 GAL 7.65 AZL 91.14 HCA 247.14 SMA 130.76 ECC .19857 INC 1.1415 V1 29.665
 RP 107.62 LAP 1.05 LOP 94.42 VP 38.097 GAP 5.25 AZP 89.56 TAL 145.56 TAP 32.70 RCA 104.80 APO 156.72 V2 35.212
 RC 105.723 GL -7.66 GP -22.22 ZAL 38.74 ZAP 138.12 ETS 334.98 ZAE 126.23 ETE 196.45 ZAC 136.21 ETC 359.65 CLP-143.55

PLANETOCENTRIC CONIC

C3 16.503 VHL 4.063 DLA -2.77 RAL 167.06 RAD 6567.7 VEL 11.743 PTH 2.07 VMP 4.874 DPA -1.43 RAP 128.82 ECC 1.2716
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 7 50 2083.62 -16.19 33.36 24.82 113.55 9 42 34 1483.6 -12.87 26.25
 90.00 20 24 46 4899.47 20.54 213.04 23.96 70.07 21 46 25 4299.5 17.64 205.57
 100.00 10 27 53 1825.39 -17.15 13.92 24.37 114.86 10 58 19 1225.4 -13.66 6.87
 100.00 21 47 24 4632.93 21.53 193.04 25.57 68.75 23 4 37 4032.9 18.45 185.60
 110.00 11 33 10 1621.03 -19.72 357.04 23.01 118.50 12 0 11 1021.0 -15.76 350.16
 110.00 22 58 36 4410.05 24.17 174.90 24.34 65.06 24 12 6 3810.1 20.61 167.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.7631 TRA 3.5121 TC3-2.8713 BAU .6441 SGT 6018.0 SGR 1450.6 SG3 797.4 ST 2898.4 SR 533.1 SS 2132.3
 RDE -.2476 RRA .9504 RC3 -.5243 FAU .05679 RRT .9756 RRF .9645 RTF .9893 CRT .9502 CRS -.9272 CST -.9977
 FDE-3.1971 FRA 5.4399 FC3-2.9788 BSP 19632 SGB 6190.4 R23 -.0146 R13 .9892 LSA 3631.4 MSA 210.5 SSA 12.8
 BDE 1.7804 BRA 3.6384 BC3 2.9188 FSP -2811 SGI 6182.6 SG2 309.9 TMA 13.27 EL1 2942.5 EL2 163.7 ALF 9.94

LAUNCH DATE APR 18 1967

FLIGHT TIME 210.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 568.708

RL 150.20 LAL -1.00 LOL 207.28 VL 27.412 GAL 7.90 AZL 91.31 HCA 250.37 SMA 130.66 ECC .20212 INC 1.3085 V1 29.665
 RP 107.60 LAP 1.23 LOP 97.65 VP 38.094 GAP 5.74 AZP 89.56 TAL 145.04 TAP 35.41 RCA 104.25 APO 157.07 V2 35.220
 RC 107.975 GL -8.52 GP -20.79 ZAL 38.25 ZAP 140.96 ETS 334.12 ZAE 125.16 ETE 194.85 ZAC 135.69 ETC 1.32 CLP-146.18

PLANETOCENTRIC CONIC

C3 17.526 VHL 4.186 DLA -3.82 RAL 167.33 RAD 6567.7 VEL 11.786 PTH 2.08 VMP 5.075 DPA -.17 RAP 129.69 ECC 1.2884
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 16 44 2064.84 -15.68 32.22 25.84 113.89 9 51 9 1464.8 -12.32 25.15
 90.00 20 18 1 4945.89 21.59 216.04 27.47 71.22 21 40 27 4345.9 18.82 208.46
 100.00 10 36 17 1808.21 -16.66 12.88 25.37 115.18 11 6 26 1208.2 -13.13 5.87
 100.00 21 41 9 4677.76 22.61 195.93 27.08 69.90 22 59 7 4077.8 19.66 188.37
 110.00 11 40 26 1607.38 -19.28 356.24 23.97 118.79 12 7 14 1007.4 -15.29 349.39
 110.00 22 53 29 4451.34 25.33 177.54 25.88 66.24 24 7 41 3851.3 21.90 170.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.9162 TRA 3.7263 TC3-2.7720 BAU .6578 SGT 6195.8 SGR 1310.0 SG3 741.9 ST 3038.7 SR 463.1 SS 2090.5
 RDE -.2060 RRA .8924 RC3 -.4443 FAU .05096 RRT .9683 RRF .9548 RTF .9890 CRT .9261 CRS -.9008 CST -.9980
 FDE-3.1101 FRA 5.2151 FC3-2.5173 BSP 20100 SGB 6332.8 R23 -.0216 R13 .9888 LSA 3711.2 MSA 211.4 SSA 12.9
 BDE 1.9272 BRA 3.8316 BC3 2.8073 FSP -2611 SGI 6324.6 SG2 320.8 TMA 11.60 EL1 3068.9 EL2 173.0 ALF 8.06

LAUNCH DATE APR 18 1967

FLIGHT TIME 212.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 574.735

RL 150.20 LAL -1.00 LOL 207.28 VL 27.397 GAL 8.18 AZL 91.47 HCA 253.61 SMA 130.55 ECC .20600 INC 1.4690 V1 29.665
 RP 107.58 LAP 1.41 LOP 100.89 VP 38.090 GAP 6.24 AZP 89.59 TAL 144.49 TAP 38.10 RCA 103.66 APO 157.45 V2 35.227
 RC 110.226 GL -9.26 GP -19.50 ZAL 37.74 ZAP 143.61 ETS 333.27 ZAE 124.16 ETE 193.51 ZAC 134.96 ETC 2.84 CLP-148.65

PLANETOCENTRIC CONIC

C3 18.670 VHL 4.321 DLA -4.76 RAL 167.66 RAD 6567.8 VEL 11.834 PTH 2.10 VMP 5.294 DPA .91 RAP 130.70 ECC 1.3073
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 25 9 2050.03 -15.27 31.32 26.99 114.14 9 59 19 1450.0 -11.88 24.29
 90.00 20 12 13 4990.22 22.53 218.95 29.11 72.38 21 35 23 4390.2 19.91 211.26
 100.00 10 44 15 1794.86 -16.27 12.08 26.51 115.43 11 14 10 1194.9 -12.71 5.09
 100.00 21 35 48 4720.63 23.58 198.75 28.73 71.08 22 54 28 4120.6 20.78 191.07
 110.00 11 47 22 1597.28 -18.94 355.64 25.06 119.00 12 13 59 997.3 -14.93 348.82
 110.00 22 49 10 4490.97 26.39 180.14 27.56 67.44 24 4 1 3891.0 23.10 172.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.0737 TRA 3.9422 TC3-2.6632 BAU .6714 SGT 6354.0 SGR 1186.6 SG3 689.1 ST 3168.9 SR 402.2 SS 2047.6
 RDE -.1689 RRA .8409 RC3 -.3783 FAU .04571 RRT .9590 RRF .9430 RTF .9887 CRT .8923 CRS -.8647 CST -.9983
 FDE-3.0224 FRA 4.9961 FC3-2.1193 BSP 20613 SGB 6463.8 R23 -.0275 R13 .9885 LSA 3788.3 MSA 211.9 SSA 13.0
 BDE 2.0804 BRA 4.0309 BC3 2.6899 FSP -2432 SGI 6455.3 SG2 330.9 TMA 10.18 EL1 3189.3 EL2 180.3 ALF 6.48

LAUNCH DATE APR 18 1967 FLIGHT TIME 214.00 ARRIVAL DATE NOV 18 1967

Heliocentric Conic
 RL 150.20 LAL -0.00 LOL 207.28 VL 27.381 GAL 8.48 AZL 91.62 MCA 256.85 SMA 130.44 ECC .21023 INC 1.6242 V1 29.665
 RP 107.56 LAP 1.58 LOP 104.13 VP 38.084 GAP 6.76 ATP 89.63 TAL 143.93 TAP 40.78 RCA 103.02 APO 157.87 V2 35.233
 RC 112.475 GL -9.90 GP -18.33 ZAL 37.22 ZAP 146.09 ETS 332.40 ZAE 123.23 ETE 192.37 ZAC 134.04 ETC 4.20 CLP-150.96

Distance 580.724

PLANETOCENTRIC CONIC
 C3 19.951 VHL 4.467 DLA -5.62 RAL 168.04 RAD 6567.8 VEL 11.888 PTH 2.11 VHP 5.528 OPA 1.83 RAP 131.84 ECC 1.3283
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 33 7 2038.88 -14.95 30.65 28.27 114.33 10 7 6 1438.9 -11.55 23.63
 90.00 20 7 15 5032.74 23.38 221.78 30.87 73.55 21 31 7 4432.7 20.90 213.98
 100.00 10 51 48 1785.05 -15.98 11.49 27.77 115.60 11 21 33 1185.0 -12.41 4.53
 100.00 21 31 15 4761.81 24.46 201.49 30.50 72.26 22 50 36 4161.8 21.81 193.70
 110.00 11 53 58 1590.43 -18.72 355.24 26.29 119.14 12 20 28 990.4 -14.69 348.44
 110.00 22 45 34 4529.19 27.36 182.68 29.36 68.67 24 1 3 3929.2 24.22 174.93

Differential Corrections
 TOE-2.2331 TRA 4.1654 TC3-2.5406 BAU .6831 SGT 6494.8 SGR 1078.3 SG3 639.4 ORBIT DETERMINATION ACCURACY
 RDE -.1293 RRA .7959 RC3 -.3221 FAU .04075 RRT .9476 RRF .9290 RTF .9885 ST 3287.0 SR 349.7 SS 2002.1
 FDE-2.9312 FRA 4.7914 FC3-1.7684 BSP 21085 SGB 6583.7 R23 -.0320 R13 .9883 CRT .8451 CRS -.8147 CST -.9985
 BDE 2.2369 BRA 4.2408 BC3 2.5610 FSP -2262 SGI 6574.9 SG2 340.4 TMA 8.96 LSA 3858.8 MSA 212.4 SSA 13.0
 EL1 3300.4 EL2 186.2 ALF 5.15

LAUNCH DATE APR 18 1967 FLIGHT TIME 216.00 ARRIVAL DATE NOV 20 1967

Heliocentric Conic
 RL 150.20 LAL -0.00 LOL 207.28 VL 27.365 GAL 8.81 AZL 91.78 MCA 260.09 SMA 130.33 ECC .21483 INC 1.7754 V1 29.665
 RP 107.54 LAP 1.75 LOP 107.37 VP 38.078 GAP 7.28 ATP 89.69 TAL 143.35 TAP 43.44 RCA 102.33 APO 158.33 V2 35.239
 RC 114.720 GL -10.44 GP -17.28 ZAL 36.68 ZAP 148.41 ETS 331.47 ZAE 122.35 ETE 191.40 ZAC 132.98 ETC 5.41 CLP-153.14

Distance 586.671

PLANETOCENTRIC CONIC
 C3 21.383 VHL 4.624 DLA -6.39 RAL 168.46 RAD 6567.9 VEL 11.948 PTH 2.13 VHP 5.778 OPA 2.60 RAP 133.08 ECC 1.3519
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 40 40 2031.14 -14.74 30.19 29.67 114.46 10 14 32 1431.1 -11.31 23.18
 90.00 20 3 2 5073.69 24.14 224.54 32.74 74.73 21 27 36 4473.7 21.81 216.64
 100.00 10 58 59 1778.53 -15.79 11.10 29.16 115.72 11 28 37 1178.5 -12.20 4.15
 100.00 21 27 25 4801.53 25.26 204.17 32.39 73.46 22 47 26 4201.5 22.75 196.27
 110.00 12 0 16 1586.62 -18.59 355.02 27.63 119.22 12 26 43 986.6 -14.56 348.22
 110.00 22 42 36 4566.20 28.26 185.19 31.28 69.91 23 58 43 3966.2 25.26 177.30

Differential Corrections
 TOE-2.3942 TRA 4.3976 TC3-2.4061 BAU .6923 SGT 6619.2 SGR 983.2 SG3 593.0 ORBIT DETERMINATION ACCURACY
 RDE -.0930 RRA .7563 RC3 -.2740 FAU .03606 RRT .9336 RRF .9125 RTF .9882 ST 3392.6 SR 305.5 SS 1954.4
 FDE-2.8375 FRA 4.6021 FC3-1.4600 BSP 21505 SGB 6691.8 R23 -.0352 R13 .9880 CRT .7791 CRS -.7460 CST -.9987
 BDE 2.3960 BRA 4.4622 BC3 2.4216 FSP -2100 SGI 6682.7 SG2 349.0 TMA 7.92 LSA 3921.4 MSA 212.7 SSA 13.0
 EL1 3401.0 EL2 191.1 ALF 4.03

LAUNCH DATE APR 18 1967 FLIGHT TIME 218.00 ARRIVAL DATE NOV 22 1967

Heliocentric Conic
 RL 150.20 LAL -0.00 LOL 207.28 VL 27.348 GAL 9.16 AZL 91.92 MCA 263.33 SMA 130.21 ECC .21983 INC 1.9238 V1 29.665
 RP 107.52 LAP 1.91 LOP 110.61 VP 38.070 GAP 7.82 ATP 89.78 TAL 142.76 TAP 46.09 RCA 101.58 APO 158.83 V2 35.244
 RC 116.961 GL -10.90 GP -16.33 ZAL 36.13 ZAP 150.59 ETS 330.47 ZAE 121.54 ETE 190.56 ZAC 131.77 ETC 6.47 CLP-155.20

Distance 592.571

PLANETOCENTRIC CONIC
 C3 22.987 VHL 4.794 DLA -7.08 RAL 168.91 RAD 6567.9 VEL 12.015 PTH 2.14 VHP 6.045 OPA 3.23 RAP 134.42 ECC 1.3783
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 47 50 2026.59 -14.61 29.92 31.17 114.53 10 21 37 1426.6 -11.18 22.92
 90.00 19 59 30 5113.26 24.82 227.23 34.72 75.92 21 24 43 4513.3 22.64 219.24
 100.00 11 5 48 1775.11 -15.69 10.90 30.65 115.77 11 35 23 1175.1 -12.09 3.95
 100.00 21 24 14 4839.98 25.98 206.80 34.38 74.67 22 44 54 4240.0 23.62 198.79
 110.00 12 6 18 1585.68 -18.56 354.96 29.08 119.23 12 32 43 985.7 -14.52 348.17
 110.00 22 40 13 4602.17 29.07 187.67 33.31 71.17 23 56 56 4002.2 26.23 179.65

Differential Corrections
 TOE-2.5549 TRA 4.6437 TC3-2.2581 BAU .6976 SGT 6729.2 SGR 899.7 SG3 549.8 ORBIT DETERMINATION ACCURACY
 RDE -.0573 RRA .7217 RC3 -.2319 FAU .03150 RRT .9168 RRF .8934 RTF .9879 ST 3484.4 SR 269.6 SS 1904.0
 FDE-2.7404 FRA 4.4316 FC3-1.1863 BSP 21814 SGB 6789.0 R23 -.0372 R13 .9877 CRT .6885 CRS -.6530 CST -.9988
 BDE 2.5556 BRA 4.6994 BC3 2.2699 FSP -1940 SGI 6779.7 SG2 356.6 TMA 7.01 LSA 3974.1 MSA 213.0 SSA 13.0
 EL1 3489.3 EL2 195.3 ALF 3.06

LAUNCH DATE APR 18 1967 FLIGHT TIME 220.00 ARRIVAL DATE NOV 24 1967

Heliocentric Conic
 RL 150.20 LAL -0.00 LOL 207.28 VL 27.330 GAL 9.54 AZL 92.07 MCA 266.57 SMA 130.09 ECC .22526 INC 2.0702 V1 29.665
 RP 107.51 LAP 2.07 LOP 113.86 VP 38.062 GAP 8.38 ATP 89.88 TAL 142.15 TAP 48.73 RCA 100.78 APO 159.39 V2 35.248
 RC 119.197 GL -11.28 GP -15.48 ZAL 35.56 ZAP 152.64 ETS 329.38 ZAE 120.78 ETE 189.85 ZAC 130.46 ETC 7.40 CLP-157.15

Distance 598.420

PLANETOCENTRIC CONIC
 C3 24.783 VHL 4.978 DLA -7.71 RAL 169.40 RAD 6568.0 VEL 12.090 PTH 2.16 VHP 6.329 OPA 3.74 RAP 135.85 ECC 1.4079
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 54 38 2025.07 -14.57 29.83 32.78 114.55 10 28 23 1425.1 -11.13 22.83
 90.00 19 56 36 5151.63 25.43 229.88 36.80 77.11 21 22 27 4551.6 23.40 221.80
 100.00 11 12 16 1774.62 -15.68 10.87 32.24 115.78 11 41 50 1174.6 -12.08 3.93
 100.00 21 21 39 4877.31 26.62 209.39 36.48 75.88 22 42 56 4277.3 24.42 201.28
 110.00 12 12 2 1587.45 -18.62 355.06 30.63 119.20 12 38 30 987.5 -14.59 348.27
 110.00 22 38 22 4637.24 29.82 190.13 35.45 72.45 23 55 39 4037.2 27.13 181.97

Differential Corrections
 TOE-2.7235 TRA 4.8972 TC3-2.1120 BAU .7028 SGT 6826.2 SGR 825.6 SG3 509.9 ORBIT DETERMINATION ACCURACY
 RDE -.0234 RRA .6901 RC3 -.1971 FAU .02750 RRT .8971 RRF .8714 RTF .9876 ST 3569.4 SR 242.0 SS 1856.6
 FDE-2.6515 FRA 4.2713 FC3 -.9606 BSP 22183 SGB 6875.9 R23 -.0389 R13 .9874 CRT .5733 CRS -.5359 CST -.9990
 BDE 2.7236 BRA 4.9456 BC3 2.1212 FSP -1802 SGI 6866.4 SG2 362.6 TMA 6.21 LSA 4025.0 MSA 212.8 SSA 12.9
 EL1 3572.1 EL2 198.1 ALF 2.23

LAUNCH DATE APR 19 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUN 28 1967

HELIOCENTRIC CONIC

DISTANCE 122.624

RL 150.24 LAL -.00 LOL 208.26 VL 13.720 GAL 36.69 AZL 87.50 MCA 27.97 SMA 84.08 ECC .86899 INC 2.5005 V1 29.657
 RP 108.40 LAP 1.17 LOP 236.21 VP 29.500 GAP -58.87 AZP 87.79 TAL 173.25 TAP 201.22 RCA 11.02 APO 157.15 V2 34.960
 RC 97.034 GL 1.36 GP 2.55 ZAL 67.54 ZAP 37.89 ETS 186.52 ZAE 132.99 ETE 178.46 ZAC 161.19 ETC 66.55 CLP 37.82

PLANETOCENTRIC CONIC

C3 408.062 VML 20.201 DLA 15.88 RAL 143.58 RAD 6572.1 VEL 23.008 PTH 3.28 VMP 32.288 DPA 26.95 RAP 94.28 ECC 7.7157
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 2 35 3339.05 -23.86 120.32 56.53 74.29 5 58 14 2739.0 -25.79 112.18
 90.00 21 14 46 4948.49 21.64 216.21 42.86 71.28 22 37 15 4348.5 18.89 208.62
 100.00 6 32 43 3048.36 -25.70 99.50 57.10 74.18 7 23 32 2448.4 -27.62 91.23
 100.00 22 27 19 4714.41 23.44 198.33 42.20 70.90 23 45 54 4114.4 20.62 190.67
 110.00 8 0 30 2773.72 -30.50 80.21 58.67 73.76 8 46 44 2173.7 -32.42 71.52
 110.00 23 16 2 4561.82 28.15 184.89 40.33 69.76 24 32 4 3961.8 25.14 177.02

DIFFERENTIAL CORRECTIONS

TOE .7991 TRA-2.2425 TC3 -.1014 BAU .5531
 RDE-1.4895 RRA -.6488 RC3 .0012 FAU .01103
 FDE -.2832 FRA .7342 FC3 -.0234 BSP 1855
 BOE 1.6903 BRA 2.3344 BC3 .1014 FSP -43

MID-COURSE EXECUTION ACCURACY

SGT 810.2 SGR 463.8 SG3 21.6
 RRT .0767 RRF -.0685 RTF -.6066
 SGB 935.9 R23 .0005 R13 -.6069
 SG1 811.3 SG2 461.8 TMA 3.72

ORBIT DETERMINATION ACCURACY

ST 301.5 SR 426.4 SS 288.3
 CRT -.6564 CRS -.6857 CST .9969
 LSA 545.0 MSA 241.9 SSA 14.1
 EL1 481.8 EL2 201.2 ALF 120.84

LAUNCH DATE APR 19 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUN 30 1967

HELIOCENTRIC CONIC

DISTANCE 127.689

RL 150.24 LAL -.00 LOL 208.26 VL 14.573 GAL 34.79 AZL 88.08 MCA 31.15 SMA 85.38 ECC .84539 INC 1.9206 V1 29.657
 RP 108.44 LAP .99 LOP 239.39 VP 29.891 GAP -56.31 AZP 88.36 TAL 172.34 TAP 203.49 RCA 13.20 APO 157.57 V2 34.947
 RC 94.821 GL 1.19 GP 2.60 ZAL 66.12 ZAP 36.37 ETS 186.75 ZAE 132.85 ETE 178.10 ZAC 160.34 ETC 62.35 CLP 36.29

PLANETOCENTRIC CONIC

C3 374.558 VML 19.353 DLA 15.25 RAL 144.91 RAD 6572.0 VEL 22.268 PTH 3.25 VMP 31.165 DPA 27.04 RAP 96.14 ECC 7.1642
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 13 42 3308.07 -24.42 118.22 57.09 75.20 6 8 50 2708.1 -26.22 110.01
 90.00 21 14 18 4962.52 21.95 217.13 43.72 71.64 22 37 0 4362.5 19.24 209.50
 100.00 6 43 22 3018.93 -26.23 97.48 57.62 75.12 7 33 41 2418.9 -28.01 89.13
 100.00 22 27 19 4726.90 23.72 199.16 43.07 71.25 23 46 6 4126.9 20.94 191.47
 110.00 8 10 8 2747.41 -30.99 78.32 59.08 74.79 8 55 56 2147.4 -32.76 69.54
 110.00 23 17 2 4571.18 28.37 185.53 41.26 70.08 24 33 13 3971.2 25.39 177.62

DIFFERENTIAL CORRECTIONS

TOE .8173 TRA-2.2604 TC3 -.1082 BAU .5417
 RDE-1.4406 RRA -.6477 RC3 .0018 FAU .01106
 FDE -.3004 FRA .7806 FC3 -.0256 BSP 2041
 BOE 1.6563 BRA 2.3514 BC3 .1082 FSP -48

MID-COURSE EXECUTION ACCURACY

SGT 845.6 SGR 470.6 SG3 23.2
 RRT .0799 RRF -.0723 RTF -.6250
 SGB 967.7 R23 -.0002 R13 -.6254
 SG1 846.8 SG2 468.4 TMA 3.67

ORBIT DETERMINATION ACCURACY

ST 319.4 SR 430.6 SS 304.9
 CRT -.6601 CRS -.6922 CST .9969
 LSA 564.4 MSA 248.2 SSA 14.4
 EL1 493.6 EL2 209.3 ALF 122.66

LAUNCH DATE APR 19 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 2 1967

HELIOCENTRIC CONIC

DISTANCE 132.896

RL 150.24 LAL -.00 LOL 208.26 VL 15.378 GAL 33.07 AZL 88.56 MCA 34.32 SMA 86.73 ECC .82119 INC 1.4385 V1 29.657
 RP 108.48 LAP .81 LOP 242.58 VP 30.277 GAP -53.88 AZP 88.81 TAL 171.43 TAP 205.75 RCA 15.51 APO 157.95 V2 34.935
 RC 92.217 GL 1.00 GP 2.66 ZAL 64.75 ZAP 34.87 ETS 187.00 ZAE 132.78 ETE 177.72 ZAC 159.38 ETC 58.46 CLP 34.78

PLANETOCENTRIC CONIC

C3 343.978 VML 18.547 DLA 14.63 RAL 146.19 RAD 6571.9 VEL 21.570 PTH 3.22 VMP 30.079 DPA 27.11 RAP 98.03 ECC 6.6610
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 24 31 3276.74 -24.95 116.07 57.53 76.15 6 19 8 2676.7 -26.61 107.80
 90.00 21 13 39 4975.91 22.23 218.01 44.49 72.00 22 36 35 4375.9 19.56 210.35
 100.00 6 53 43 2989.08 -26.73 95.40 58.02 76.10 7 43 32 2389.1 -28.38 86.99
 100.00 22 27 9 4738.80 23.98 199.95 43.87 71.59 23 46 7 4138.8 21.24 192.22
 110.00 8 19 31 2720.60 -31.45 76.36 59.36 75.86 9 4 52 2120.6 -33.07 67.51
 110.00 23 17 50 4580.04 28.58 186.14 42.10 70.39 24 34 10 3980.0 25.64 178.20

DIFFERENTIAL CORRECTIONS

TOE .8321 TRA-2.2820 TC3 -.1155 BAU .5312
 RDE-1.3917 RRA -.6452 RC3 .0025 FAU .01108
 FDE -.3175 FRA .7877 FC3 -.0279 BSP 2164
 BOE 1.6215 BRA 2.3715 BC3 .1155 FSP -52

MID-COURSE EXECUTION ACCURACY

SGT 883.4 SGR 476.8 SG3 25.0
 RRT .0845 RRF -.0769 RTF -.6428
 SGB 1003.9 R23 -.0005 R13 -.6432
 SG1 884.7 SG2 474.4 TMA 3.67

ORBIT DETERMINATION ACCURACY

ST 337.7 SR 434.4 SS 321.7
 CRT -.6615 CRS -.6976 CST .9968
 LSA 584.1 MSA 254.6 SSA 14.6
 EL1 505.3 EL2 217.7 ALF 124.48

LAUNCH DATE APR 19 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 4 1967

HELIOCENTRIC CONIC

DISTANCE 138.235

RL 150.24 LAL -.00 LOL 208.26 VL 16.138 GAL 31.51 AZL 88.97 MCA 37.50 SMA 88.11 ECC .79659 INC 1.0295 V1 29.657
 RP 108.51 LAP .63 LOP 245.76 VP 30.656 GAP -51.58 AZP 89.18 TAL 170.51 TAP 208.01 RCA 17.92 APO 158.30 V2 34.923
 RC 89.824 GL .80 GP 2.72 ZAL 63.42 ZAP 33.40 ETS 187.28 ZAE 132.77 ETE 177.30 ZAC 158.31 ETC 54.89 CLP 33.30

PLANETOCENTRIC CONIC

C3 316.029 VML 17.777 DLA 13.99 RAL 147.41 RAD 6571.8 VEL 20.913 PTH 3.19 VMP 29.030 DPA 27.16 RAP 99.95 ECC 6.2010
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 35 3 3245.02 -25.45 113.88 57.84 77.14 6 29 8 2645.0 -26.97 105.54
 90.00 21 12 32 4988.65 22.50 218.85 45.19 72.34 22 36 0 4388.7 19.87 211.16
 100.00 7 3 48 2958.80 -27.21 93.28 58.29 77.12 7 53 7 2358.8 -28.71 84.80
 100.00 22 26 48 4750.11 24.22 200.70 44.58 71.92 23 45 58 4150.1 21.52 192.95
 110.00 8 28 39 2893.28 -31.89 74.35 59.53 76.98 9 13 33 2093.3 -33.55 65.43
 110.00 23 18 26 4588.39 28.77 186.72 42.86 70.68 24 34 54 3988.4 25.86 178.74

DIFFERENTIAL CORRECTIONS

TOE .8462 TRA-2.3042 TC3 -.1231 BAU .5201
 RDE-1.3430 RRA -.6414 RC3 .0033 FAU .01110
 FDE -.3349 FRA .8151 FC3 -.0304 BSP 2290
 BOE 1.5873 BRA 2.3918 BC3 .1231 FSP -57

MID-COURSE EXECUTION ACCURACY

SGT 922.8 SGR 482.6 SG3 26.9
 RRT .0894 RRF -.0816 RTF -.6600
 SGB 1041.4 R23 -.0008 R13 -.6604
 SG1 924.2 SG2 479.9 TMA 3.67

ORBIT DETERMINATION ACCURACY

ST 356.7 SR 437.5 SS 338.9
 CRT -.6623 CRS -.7024 CST .9967
 LSA 604.5 MSA 260.6 SSA 14.8
 EL1 517.3 EL2 226.1 ALF 126.38

LAUNCH DATE APR 19 1967 FLIGHT TIME 78.00 ARRIVAL DATE JUL 6 1967

DISTANCE 143.699
 HELIOCENTRIC CONIC
 RL 150.24 LAL -.00 LOL 208.26 VL 16.856 GAL 30.06 AZL 89.32 MCA 40.68 SMA 89.52 ECC .77178 INC .6757 V1 29.657
 RP 108.55 LAP .44 LOP 248.94 VP 31.027 GAP -49.40 AZP 89.49 TAL 169.59 TAP 210.27 RCA 20.43 APO 154.60 V2 34.911
 RC 87.444 GL .58 GP 2.79 ZAL 62.14 ZAP 31.96 ETS 187.59 ZAE 132.82 ETE 176.86 ZAC 157.15 ETC 51.64 CLP 31.85

PLANETOCENTRIC CONIC
 C3 290.450 VHL 17.043 DLA 13.36 RAL 148.57 RAD 6571.7 VEL 20.292 PTH 3.15 VHP 28.014 DPA 27.20 RAP 101.89 ECC 5.7801
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 45 17 3212.88 -25.91 111.64 58.04 78.17 6 38 50 2612.9 -27.29 103.25
 90.00 21 11 54 5000.75 22.74 219.65 45.80 72.66 22 35 15 2400.7 20.16 211.93
 90.00 7 13 37 2928.04 -27.66 91.10 58.45 78.18 8 2 25 2328.0 -29.01 82.56
 100.00 22 26 16 4760.82 24.44 201.42 45.21 72.23 23 45 37 4160.8 21.78 193.63
 100.00 8 37 33 2665.41 -32.30 72.28 59.57 78.14 9 21 58 2065.4 -33.59 63.29
 110.00 23 18 49 4596.21 28.94 187.26 43.54 70.96 24 35 26 3996.2 26.07 179.25

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 SGT 963.6 SGR 487.7 SG3 28.9 ST 376.7 SR 440.1 SS 356.6
 RRT .0942 RRF -.0866 RTF -.6766 CRT -.6629 CRS -.7068 CST .9965
 SGB 1080.0 R23 -.0012 R13 -.6770 LSA 625.8 MSA 266.2 SSA 15.0
 SGI 965.1 SG2 484.8 TMA 3.65 ELI 529.8 EL2 234.3 ALF 128.38

LAUNCH DATE APR 19 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 8 1967

DISTANCE 149.279
 HELIOCENTRIC CONIC
 RL 150.24 LAL -.00 LOL 208.26 VL 17.533 GAL 28.72 AZL 89.63 MCA 43.86 SMA 90.95 ECC .74691 INC .3652 V1 29.657
 RP 108.59 LAP .25 LOP 252.12 VP 31.387 GAP -47.33 AZP 89.74 TAL 168.68 TAP 212.53 RCA 23.02 APO 158.87 V2 34.899
 RC 85.078 GL .34 GP 2.87 ZAL 60.90 ZAP 30.54 ETS 187.93 ZAE 132.93 ETE 176.37 ZAC 155.90 ETC 48.68 CLP 30.42

PLANETOCENTRIC CONIC
 C3 267.016 VHL 16.341 DLA 12.71 RAL 149.68 RAD 6571.6 VEL 19.706 PTH 3.12 VHP 27.030 DPA 27.21 RAP 103.86 ECC 5.3944
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 55 16 3180.27 -26.35 109.36 58.11 79.24 6 48 16 2580.3 -27.57 100.90
 90.00 21 10 47 5012.19 22.98 220.41 46.32 72.98 22 34 19 4412.2 20.43 212.66
 90.00 7 23 10 2896.77 -28.07 88.87 58.48 79.28 8 11 27 2296.8 -29.26 80.27
 100.00 22 25 34 4770.92 24.65 202.10 45.76 72.53 23 45 5 4170.9 22.03 194.28
 100.00 8 46 12 2636.96 -32.67 70.15 59.49 79.35 9 30 9 2037.0 -33.80 61.09
 110.00 23 19 1 4603.50 29.10 187.76 44.12 71.22 24 35 45 4003.5 26.26 179.73

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 SGT 1006.2 SGR 492.3 SG3 31.0 ST 397.5 SR 442.0 SS 374.7
 RRT .0995 RRF -.0918 RTF -.6927 CRT -.6629 CRS -.7106 CST .9963
 SGB 1120.2 R23 -.0016 R13 -.6931 LSA 648.0 MSA 271.4 SSA 15.3
 SGI 1007.7 SG2 489.1 TMA 3.65 ELI 542.9 EL2 242.3 ALF 130.44

LAUNCH DATE APR 19 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 10 1967

DISTANCE 154.969
 HELIOCENTRIC CONIC
 RL 150.24 LAL -.00 LOL 208.26 VL 18.171 GAL 27.47 AZL 89.91 MCA 47.03 SMA 92.39 ECC .72212 INC .0874 V1 29.657
 RP 108.62 LAP .06 LOP 255.29 VP 31.736 GAP -45.36 AZP 89.94 TAL 167.77 TAP 214.80 RCA 25.67 APO 159.11 V2 34.888
 RC 82.729 GL .09 GP 2.95 ZAL 59.71 ZAP 29.14 ETS 188.32 ZAE 133.11 ETE 175.86 ZAC 154.58 ETC 46.00 CLP 29.00

PLANETOCENTRIC CONIC
 C3 245.527 VHL 15.669 DLA 12.07 RAL 150.74 RAD 6571.4 VEL 19.153 PTH 3.09 VHP 26.077 DPA 27.21 RAP 105.85 ECC 5.0407
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 4 59 3147.14 -26.75 107.01 58.07 80.35 6 57 26 2547.1 -27.81 98.51
 90.00 21 9 29 5023.01 23.19 221.13 46.76 73.28 22 33 12 4423.0 20.68 213.35
 90.00 7 32 28 2864.95 -28.45 86.58 58.39 80.43 8 20 13 2265.0 -29.48 77.93
 100.00 22 24 40 4780.43 24.84 202.74 46.21 72.82 23 44 21 4180.4 22.26 194.90
 100.00 8 54 37 2607.91 -33.02 67.95 59.28 80.61 9 38 5 2007.9 -33.96 58.84
 110.00 23 19 1 4610.24 29.25 188.23 44.62 71.46 24 35 51 4010.2 26.44 180.18

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 SGT 1050.1 SGR 496.3 SG3 33.4 ST 419.3 SR 443.4 SS 393.3
 RRT .1047 RRF -.0973 RTF -.7082 CRT -.6630 CRS -.7142 CST .9960
 SGB 1161.5 R23 -.0022 R13 -.7086 LSA 671.3 MSA 276.1 SSA 15.4
 SGI 1051.8 SG2 492.8 TMA 3.63 ELI 556.7 EL2 250.0 ALF 132.59

LAUNCH DATE APR 19 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 12 1967

DISTANCE 160.763
 HELIOCENTRIC CONIC
 RL 150.24 LAL -.00 LOL 208.26 VL 18.774 GAL 26.29 AZL 90.16 MCA 50.21 SMA 93.84 ECC .69751 INC .1599 V1 29.657
 RP 108.65 LAP -.12 LOP 258.47 VP 32.073 GAP -43.48 AZP 90.10 TAL 166.87 TAP 217.07 RCA 28.39 APO 159.30 V2 34.877
 RC 80.398 GL -.18 GP 3.04 ZAL 58.57 ZAP 27.77 ETS 188.76 ZAE 133.36 ETE 175.30 ZAC 153.19 ETC 43.57 CLP 27.61

PLANETOCENTRIC CONIC
 C3 225.806 VHL 15.027 DLA 11.41 RAL 151.74 RAD 6571.3 VEL 18.631 PTH 3.05 VHP 25.152 DPA 27.19 RAP 107.85 ECC 4.7162
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 14 26 3113.46 -27.11 104.61 57.90 81.50 7 6 20 2513.5 -28.01 96.06
 90.00 21 8 0 5033.21 23.39 221.81 47.12 73.66 22 31 53 4433.2 20.91 214.01
 90.00 7 41 32 2832.55 -28.80 84.24 58.18 81.62 8 28 45 2232.5 -29.66 75.54
 100.00 22 23 35 4789.36 25.02 203.34 46.58 73.09 23 43 24 4189.4 22.47 195.48
 100.00 9 2 49 2578.22 -33.33 65.69 58.95 81.91 9 45 47 1978.2 -34.08 56.53
 110.00 23 18 48 4616.45 29.38 188.67 45.03 71.69 24 35 44 4016.3 26.60 180.59

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 SGT 1095.9 SGR 499.6 SG3 35.8 ST 441.9 SR 444.0 SS 412.4
 RRT .1103 RRF -.1030 RTF -.7231 CRT -.6625 CRS -.7174 CST .9958
 SGB 1204.4 R23 -.0028 R13 -.7235 LSA 695.5 MSA 280.4 SSA 15.6
 SGI 1097.7 SG2 495.8 TMA 3.62 ELI 571.2 EL2 257.3 ALF 134.79

LAUNCH DATE APR 19 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 14 1967

HELIOCENTRIC CONIC

DISTANCE 166.652
 RL 150.24 LAL -0.00 LOL 208.26 VL 19.342 GAL 25.18 AZL 90.39 MCA 53.38 SMA 95.30 ECC .67319 INC .3870 V1 29.657
 RP 108.69 LAP -.31 LOP 261.64 VP 32.398 GAP -41.68 AZP 90.23 TAL 165.98 TAP 219.36 RCA 31.15 APO 159.46 V2 34.867
 RC 78.089 GL -.47 GP 3.14 ZAL 57.46 ZAP 26.41 ETS 189.25 ZAE 133.68 ETE 174.69 ZAC 151.74 ETC 41.36 CLP 26.24

PLANETOCENTRIC CONIC

C3 207.699 VHL 14.412 DLA 10.75 RAL 152.68 RAD 6571.2 VEL 18.139 PTH 3.02 VHP 24.256 DPA 27.14 RAP 109.88 ECC 4.4182
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 23 40 3079.18 -27.43 102.16 57.61 82.69 7 14 59 2479.2 -28.16 93.57
 90.00 21 6 20 5042.82 23.57 222.45 47.38 73.84 22 30 23 4442.8 21.13 214.63
 100.00 7 50 23 2799.52 -29.10 81.83 57.85 82.85 8 37 2 2199.5 -29.79 73.09
 100.00 22 22 18 4797.72 25.19 203.91 46.86 73.34 23 42 16 4197.7 22.66 196.02
 110.00 9 10 48 2547.85 -33.59 63.36 58.49 83.27 9 53 16 1947.9 -34.16 54.16
 110.00 23 18 22 4622.14 29.50 189.07 45.34 71.90 24 35 24 4022.1 26.75 180.97

DIFFERENTIAL CORRECTIONS

TDE .9092 TRA-2.4140 TC3 -.1635 BAU .4550
 RDE-1.1016 RRA -.6038 RC3 .0101 FAU .01147
 FDE -.4278 FRA .9596 FC3 -.0478 BSP 3057
 BDE 1.4283 BRA 2.4884 BC3 .1639 FSP -88

MID-COURSE EXECUTION ACCURACY

SGT 1143.3 SGR 502.3 SG3 38.5
 RRT .1160 RRF -.1091 RTF -.7376
 SGB 1248.8 R23 -.0035 R13 -.7379
 SGI 1145.1 SG2 498.2 TMA 3.60

ORBIT DETERMINATION ACCURACY

ST 465.5 SR 444.0 SS 432.1
 CRT -.6619 CRS -.7202 CST .9955
 LSA 720.8 MSA 284.1 SSA 15.8
 EL1 586.6 EL2 264.2 ALF 137.05

LAUNCH DATE APR 19 1967

FLIGHT TIME 88.00

ARRIVAL DATE JUL 16 1967

HELIOCENTRIC CONIC

DISTANCE 172.632
 RL 150.24 LAL -0.00 LOL 208.26 VL 19.878 GAL 24.13 AZL 90.80 MCA 56.55 SMA 96.76 ECC .64925 INC .5962 V1 29.657
 RP 108.72 LAP -.50 LOP 264.81 VP 32.710 GAP -39.96 AZP 90.33 TAL 165.10 TAP 221.65 RCA 33.94 APO 159.59 V2 34.857
 RC 75.805 GL -.78 GP 3.25 ZAL 56.41 ZAP 25.07 ETS 189.81 ZAE 134.07 ETE 174.03 ZAC 150.24 ETC 39.37 CLP 24.88

PLANETOCENTRIC CONIC

C3 191.068 VHL 13.823 DLA 10.08 RAL 153.58 RAD 6571.0 VEL 17.675 PTH 2.98 VHP 23.385 DPA 27.08 RAP 111.92 ECC 4.1445
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 32 40 3044.25 -27.71 99.64 57.20 83.92 7 23 24 2444.3 -28.26 91.02
 90.00 21 4 28 5051.87 23.74 223.06 47.56 74.10 22 28 39 4451.9 21.33 215.22
 100.00 7 59 0 2765.81 -29.36 79.36 57.40 84.13 8 45 6 2165.8 -29.87 70.59
 100.00 22 20 49 4805.54 25.34 204.44 47.05 73.58 23 40 54 4205.5 22.84 196.53
 110.00 9 18 35 2516.79 -33.81 60.96 57.91 84.67 10 0 31 1916.8 -34.18 51.74
 110.00 23 17 43 4627.33 29.61 189.43 45.56 72.09 24 34 51 4027.3 26.88 181.31

DIFFERENTIAL CORRECTIONS

TDE .9168 TRA-2.4377 TC3 -.1727 BAU .4421
 RDE-1.0542 RRA -.5934 RC3 .0121 FAU .01157
 FDE -.4474 FRA .9907 FC3 -.0524 BSP 3156
 BDE 1.3971 BRA 2.5089 BC3 .1731 FSP -95

MID-COURSE EXECUTION ACCURACY

SGT 1194.0 SGR 504.5 SG3 41.4
 RRT .1234 RRF -.1160 RTF -.7509
 SGB 1296.2 R23 -.0037 R13 -.7513
 SGI 1195.9 SG2 499.8 TMA 3.62

ORBIT DETERMINATION ACCURACY

ST 489.3 SR 443.4 SS 452.1
 CRT -.6592 CRS -.7223 CST .9950
 LSA 746.5 MSA 287.8 SSA 16.0
 EL1 602.2 EL2 270.9 ALF 139.26

LAUNCH DATE APR 19 1967

FLIGHT TIME 90.00

ARRIVAL DATE JUL 18 1967

HELIOCENTRIC CONIC

DISTANCE 178.697
 RL 150.24 LAL -0.00 LOL 208.26 VL 20.384 GAL 23.13 AZL 90.79 MCA 59.72 SMA 98.22 ECC .62574 INC .7903 V1 29.657
 RP 108.75 LAP -.68 LOP 267.98 VP 33.010 GAP -38.32 AZP 90.40 TAL 164.24 TAP 223.96 RCA 36.76 APO 159.68 V2 34.848
 RC 73.549 GL -1.12 GP 3.36 ZAL 55.40 ZAP 23.76 ETS 190.46 ZAE 134.54 ETE 173.32 ZAC 148.69 ETC 37.56 CLP 23.53

PLANETOCENTRIC CONIC

C3 175.786 VHL 13.258 DLA 9.41 RAL 154.42 RAD 6570.9 VEL 17.237 PTH 2.94 VHP 22.541 DPA 27.00 RAP 113.97 ECC 3.8930
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 41 27 3008.63 -27.94 97.06 56.68 85.20 7 31 36 2408.6 -28.31 88.41
 90.00 21 2 23 5060.40 23.90 223.64 47.65 74.34 22 26 43 4460.4 21.52 215.77
 100.00 8 7 24 2731.40 -29.58 76.82 56.83 85.45 8 52 56 2131.4 -29.89 68.03
 100.00 22 19 6 4812.86 25.48 204.94 47.15 73.81 23 39 19 4212.9 23.01 197.01
 110.00 9 26 9 2484.98 -33.99 58.49 57.21 86.12 10 7 34 1885.0 -34.15 49.25
 110.00 23 16 51 4632.05 29.71 189.76 45.70 72.26 24 34 3 4032.0 27.00 181.63

DIFFERENTIAL CORRECTIONS

TDE .9238 TRA-2.4604 TC3 -.1819 BAU .4289
 RDE-1.0073 RRA -.5822 RC3 .0144 FAU .01169
 FDE -.4676 FRA 1.0226 FC3 -.0576 BSP 3263
 BDE 1.3668 BRA 2.5284 BC3 .1825 FSP -102

MID-COURSE EXECUTION ACCURACY

SGT 1246.5 SGR 505.9 SG3 44.5
 RRT .1310 RRF -.1234 RTF -.7637
 SGB 1345.2 R23 -.0041 R13 -.7640
 SGI 1248.6 SG2 500.7 TMA 3.63

ORBIT DETERMINATION ACCURACY

ST 513.9 SR 442.0 SS 472.7
 CRT -.6582 CRS -.7241 CST .9945
 LSA 773.3 MSA 290.9 SSA 16.2
 EL1 618.6 EL2 277.0 ALF 141.50

LAUNCH DATE APR 19 1967

FLIGHT TIME 92.00

ARRIVAL DATE JUL 20 1967

HELIOCENTRIC CONIC

DISTANCE 184.841
 RL 150.24 LAL -0.00 LOL 208.26 VL 20.860 GAL 22.19 AZL 90.97 MCA 62.88 SMA 99.67 ECC .60275 INC .9722 V1 29.657
 RP 108.77 LAP -.87 LOP 271.14 VP 33.297 GAP -36.75 AZP 90.44 TAL 163.40 TAP 226.28 RCA 39.59 APO 159.75 V2 34.839
 RC 71.325 GL -1.48 GP 3.49 ZAL 54.43 ZAP 22.46 ETS 191.21 ZAE 135.08 ETE 172.54 ZAC 147.09 ETC 35.91 CLP 22.20

PLANETOCENTRIC CONIC

C3 161.752 VHL 12.718 DLA 8.72 RAL 155.20 RAD 6570.8 VEL 16.825 PTH 2.91 VHP 21.721 DPA 26.90 RAP 116.03 ECC 3.6620
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 50 2 2972.27 -28.12 94.41 56.03 86.51 7 39 34 2372.3 -28.31 85.75
 90.00 21 0 4 5068.48 24.05 224.18 47.65 74.58 22 24 33 4468.5 21.70 216.30
 100.00 8 15 37 2696.23 -29.74 74.22 56.14 86.81 9 0 34 2096.2 -29.86 65.42
 100.00 22 17 10 4819.78 25.61 205.41 47.17 74.03 23 37 30 4219.7 23.17 197.46
 110.00 9 33 32 2452.41 -34.11 55.96 56.39 87.62 10 14 25 1852.4 -34.06 46.71
 110.00 23 15 45 4636.34 29.80 190.07 45.74 72.42 24 33 1 4036.3 27.11 181.91

DIFFERENTIAL CORRECTIONS

TDE .9068 TRA-2.5058 TC3 -.1971 BAU .4278
 RDE -.9613 RRA -.5709 RC3 .0169 FAU .01169
 FDE -.4853 FRA 1.0586 FC3 -.0623 BSP 2813
 BDE 1.3215 BRA 2.5700 BC3 .1978 FSP -104

MID-COURSE EXECUTION ACCURACY

SGT 1312.5 SGR 507.1 SG3 47.8
 RRT .1484 RRF -.1344 RTF -.7724
 SGB 1407.0 R23 -.0003 R13 -.7727
 SGI 1315.0 SG2 500.5 TMA 3.84

ORBIT DETERMINATION ACCURACY

ST 533.4 SR 440.1 SS 492.1
 CRT -.6399 CRS -.7225 CST .9925
 LSA 794.9 MSA 297.1 SSA 16.5
 EL1 629.3 EL2 286.6 ALF 143.41

LAUNCH DATE APR 19 1967

FLIGHT TIME 94.00

ARRIVAL DATE JUL 22 1967

HELIOCENTRIC CONIC

DISTANCE 191.050

RL 150.24 LAL -.00 LOL 208.26 VL 21.310 GAL 21.28 AZL 91.14 MCA 66.05 SMA 101.11 ECC .58027 INC 1.1440 V1 29.657
 RP 108.80 LAP -1.05 LOP 274.31 VP 33.572 GAP -35.24 A7P 90.46 TAL 162.57 TAP 228.62 RCA 42.44 APO 159.78 V2 34.831
 RC 69.138 GL -1.86 GP 3.63 ZAL 53.52 ZAP 21.18 ETS 192.07 ZAE 135.71 ETE 171.69 ZAC 145.46 ETC 34.42 CLP 20.88

PLANETOCENTRIC CONIC

C3 148.816 VML 12.199 DLA 8.03 RAL 155.93 RAD 6570.6 VEL 16.436 PTH 2.87 VMP 20.924 DPA 26.79 RAP 118.10 ECC 3.4491
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 58 24 2935.14 -28.24 91.70 55.27 87.86 7 47 20 2335.1 -28.24 83.04
 90.00 20 57 31 5076.05 24.18 224.70 47.56 74.80 22 22 7 4476.0 21.86 216.79
 100.00 8 23 38 2660.28 -29.84 71.55 55.33 88.21 9 7 58 2060.3 -29.77 62.75
 100.00 22 14 59 4826.14 25.73 205.85 47.08 74.23 23 35 25 4226.1 23.31 197.88
 110.00 9 40 43 2419.03 -34.17 53.35 55.45 89.16 10 21 2 1819.0 -33.91 44.12
 110.00 23 14 23 4640.15 29.88 190.34 45.69 72.56 24 31 43 4040.1 27.20 182.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9892 TRA-2.4489 TC3 -.1863 BAU .3729 SGT 1331.1 SGR 506.2 SG3 51.3 ST 580.9 SR 436.3 SS 520.4
 RDE -.9134 RRA -.5568 RC3 .0202 FAU .01234 RRT .1261 RRF -.1323 RTF -.7957 CRT -.6776 CRS -.7337 CST .9960
 FDE -.5179 FRA 1.0815 FC3 -.0718 BSP 4775 SGB 1424.1 R23 -.0154 R13 -.7962 LSA 846.1 MSA 287.2 SSA 46.1
 BDE 1.3465 BRA 2.5114 BC3 .1874 FSP -135 SG1 1332.9 SG2 501.5 THA 3.20 EL1 671.4 EL2 277.6 ALF 146.60

LAUNCH DATE APR 19 1967

FLIGHT TIME 96.00

ARRIVAL DATE JUL 24 1967

HELIOCENTRIC CONIC

DISTANCE 197.334

RL 150.24 LAL -.00 LOL 208.26 VL 21.733 GAL 20.41 AZL 91.31 MCA 69.22 SMA 102.53 ECC .55843 INC 1.3074 V1 29.657
 RP 108.82 LAP -1.22 LOP 277.47 VP 33.835 GAP -33.79 A7P 90.46 TAL 161.76 TAP 230.98 RCA 45.28 APO 159.79 V2 34.824
 RC 66.992 GL -2.28 GP 3.77 ZAL 52.64 ZAP 19.91 ETS 193.08 ZAE 136.42 ETE 170.75 ZAC 143.80 ETC 33.06 CLP 19.57

PLANETOCENTRIC CONIC

C3 136.966 VML 11.703 DLA 7.32 RAL 156.61 RAD 6570.5 VEL 16.072 PTH 2.83 VMP 20.152 DPA 26.66 RAP 120.18 ECC 3.2541
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 6 38 2897.18 -28.31 88.93 54.39 89.25 7 54 55 2297.2 -28.11 80.27
 90.00 20 54 43 5083.36 24.31 225.19 47.38 75.02 22 19 27 4483.4 22.02 217.27
 100.00 8 31 29 2623.50 -29.89 68.82 54.41 89.64 9 15 12 2023.5 -29.62 60.02
 100.00 22 12 33 4832.27 25.84 206.27 46.92 74.42 23 33 6 4232.3 23.45 198.28
 110.00 9 47 45 2384.83 -34.18 50.68 54.39 90.74 10 27 30 1784.8 -33.70 41.47
 110.00 23 12 47 4643.70 29.95 190.59 45.55 72.69 24 30 11 4043.7 27.29 182.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9733 TRA-2.4892 TC3 -.2007 BAU .3700 SGT 1399.0 SGR 506.0 SG3 55.2 ST 602.6 SR 432.7 SS 541.6
 RDE -.8685 RRA -.5444 RC3 .0234 FAU .01239 RRT .1439 RRF -.1442 RTF -.8035 CRT -.6630 CRS -.7319 CST .9945
 FDE -.5375 FRA 1.1191 FC3 -.0783 BSP 4394 SGB 1487.7 R23 -.0118 R13 -.8039 LSA 870.8 MSA 291.8 SSA 16.4
 BDE 1.3044 BRA 2.5481 BC3 .2020 FSP -139 SG1 1401.2 SG2 499.9 THA 3.41 EL1 685.0 EL2 285.0 ALF 148.48

LAUNCH DATE APR 19 1967

FLIGHT TIME 98.00

ARRIVAL DATE JUL 26 1967

HELIOCENTRIC CONIC

DISTANCE 203.679

RL 150.24 LAL -.00 LOL 208.26 VL 22.131 GAL 19.59 AZL 91.46 MCA 72.38 SMA 103.94 ECC .53720 INC 1.4640 V1 29.657
 RP 108.84 LAP -1.40 LOP 280.64 VP 34.085 GAP -32.39 A7P 90.44 TAL 160.97 TAP 233.35 RCA 48.10 APO 159.77 V2 34.817
 RC 64.892 GL -2.72 GP 3.94 ZAL 51.82 ZAP 18.67 ETS 194.26 ZAE 137.22 ETE 169.72 ZAC 142.11 ETC 31.82 CLP 18.26

PLANETOCENTRIC CONIC

C3 126.071 VML 11.228 DLA 6.60 RAL 157.24 RAD 6570.3 VEL 15.729 PTH 2.79 VMP 19.401 DPA 26.51 RAP 122.26 ECC 3.0748
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 14 41 2858.36 -28.31 86.09 53.41 90.68 8 2 19 2258.4 -27.92 77.45
 90.00 20 51 39 5090.38 24.43 225.67 47.12 75.23 22 16 30 4490.4 22.17 217.73
 100.00 8 39 10 2585.86 -29.87 66.02 53.38 91.12 9 22 16 1985.9 -29.40 57.25
 100.00 22 9 51 4838.12 25.94 206.67 46.67 74.61 23 30 29 4238.1 23.58 198.67
 110.00 9 54 36 2349.77 -34.11 47.94 53.23 92.36 10 33 46 1749.8 -33.41 38.77
 110.00 23 10 54 4646.96 30.01 190.82 45.32 72.82 24 28 21 4047.0 27.37 182.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9791 TRA-2.5055 TC3 -.2088 BAU .3548 SGT 1458.0 SGR 504.7 SG3 59.3 ST 631.6 SR 428.1 SS 565.4
 RDE -.8235 RRA -.5312 RC3 .0271 FAU .01261 RRT .1531 RRF -.1538 RTF -.8143 CRT -.6597 CRS -.7327 CST .9940
 FDE -.5614 FRA 1.1547 FC3 -.0866 BSP 4557 SGB 1542.9 R23 -.0129 R13 -.8147 LSA 903.4 MSA 292.2 SSA 16.5
 BDE 1.2794 BRA 2.5611 BC3 .2105 FSP -150 SG1 1460.4 SG2 498.0 THA 3.43 EL1 706.8 EL2 287.5 ALF 150.58

LAUNCH DATE APR 19 1967

FLIGHT TIME 100.00

ARRIVAL DATE JUL 28 1967

HELIOCENTRIC CONIC

DISTANCE 210.080

RL 150.24 LAL -.00 LOL 208.26 VL 22.507 GAL 18.80 AZL 91.62 MCA 75.54 SMA 105.32 ECC .51662 INC 1.6153 V1 29.657
 RP 108.86 LAP -1.56 LOP 283.80 VP 34.323 GAP -31.05 A7P 90.40 TAL 160.21 TAP 235.75 RCA 50.91 APO 159.73 V2 34.810
 RC 62.843 GL -3.20 GP 4.11 ZAL 51.04 ZAP 17.45 ETS 195.66 ZAE 138.10 ETE 168.58 ZAC 140.38 ETC 30.68 CLP 16.97

PLANETOCENTRIC CONIC

C3 116.065 VML 10.773 DLA 5.86 RAL 157.81 RAD 6570.2 VEL 15.408 PTH 2.75 VMP 18.672 DPA 26.35 RAP 124.35 ECC 2.9101
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 22 35 2818.64 -28.24 83.19 52.32 92.13 8 9 34 2218.6 -27.65 74.57
 90.00 20 48 17 5097.23 24.55 226.14 46.77 75.43 22 13 15 4497.2 22.31 218.18
 100.00 8 46 42 2547.32 -29.79 63.16 52.25 92.62 9 29 10 1947.3 -29.11 54.42
 100.00 22 6 51 4843.79 26.05 207.06 46.33 74.79 23 27 35 4243.8 23.70 199.05
 110.00 10 1 19 2313.83 -33.98 45.15 51.96 94.01 10 39 52 1713.8 -33.05 36.03
 110.00 23 8 44 4650.03 30.08 191.04 45.01 72.93 24 26 14 4050.0 27.45 182.83

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9833 TRA-2.5210 TC3 -.2169 BAU .3400 SGT 1519.4 SGR 502.9 SG3 63.8 ST 661.2 SR 422.6 SS 590.1
 RDE -.7791 RRA -.5178 RC3 .0313 FAU .01285 RRT .1635 RRF -.1645 RTF -.8243 CRT -.6554 CRS -.7330 CST .9934
 FDE -.5863 FRA 1.1917 FC3 -.0958 BSP 4699 SGB 1600.4 R23 -.0139 R13 -.8248 LSA 937.2 MSA 292.3 SSA 16.7
 BDE 1.2546 BRA 2.5737 BC3 .2191 FSP -162 SG1 1521.9 SG2 495.3 THA 3.46 EL1 729.4 EL2 289.3 ALF 152.61

LAUNCH DATE APR 19 1967

FLIGHT TIME 102.00

ARRIVAL DATE JUL 30 1967

HELIOCENTRIC CONIC

DISTANCE 216.533

RL 150.24 LAL -0.00 LOL 208.26 VL 22.860 GAL 18.04 AZL 91.76 MCA 78.71 SMA 106.68 ECC .49672 INC 1.7621 V1 29.657
 RP 108.88 LAP -1.73 LOP 286.96 VP 34.551 GAP -29.76 AZP 90.35 TAL 159.46 TAP 238.17 RCA 53.69 APO 159.67 V2 34.805
 RC 60.850 GL -3.71 GP 4.31 ZAL 50.31 ZAP 16.25 ETS 197.33 ZAE 139.08 ETE 167.32 ZAC 138.64 ETC 29.65 CLP 15.68

PLANETOCENTRIC CONIC

C3 106.880 VML 10.338 DLA 5.11 RAL 158.32 RAD 6570.1 VEL 15.107 PTM 2.72 VMP 17.965 DPA 26.19 RAP 126.44 ECC 2.7590
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 30 22 2777.98 -28.10 80.22 51.14 93.61 8 16 40 2178.0 -27.31 71.64
 90.00 20 44 37 5104.01 24.67 226.60 46.34 75.64 22 9 41 4504.0 22.45 218.63
 100.00 8 54 7 2507.85 -29.63 60.23 51.02 94.15 9 35 54 1907.8 -28.74 51.54
 100.00 22 3 33 4849.38 26.15 207.45 45.91 74.97 23 24 22 4249.4 23.83 199.42
 110.00 10 7 52 2276.99 -33.76 42.29 50.60 95.68 10 45 49 1677.0 -32.61 33.24
 110.00 23 6 17 4653.00 30.14 191.25 44.62 73.04 24 23 50 4053.0 27.52 183.03

DIFFERENTIAL CORRECTIONS

TDE .9873 TRA-2.5347 TC3 -.2246 BAU .3250
 RDE -.7353 RRA -.5043 RC3 .0360 FAU .01311
 FDE -.6124 FRA 1.2300 FC3 -.1062 BSP 4853
 BDE 1.2310 BRA 2.5844 BC3 .2275 FSP -175

MID-COURSE EXECUTION ACCURACY

SGT 1582.4 SGR 500.3 SG3 68.7
 RRT .1745 RRF -.1761 RTF -.8340
 SGB 1659.7 R23 -.0152 R13 -.8344
 SGI 1585.1 SG2 491.8 THA 3.50

ORBIT DETERMINATION ACCURACY

ST 691.8 SR 416.1 SS 615.8
 CRT -.6510 CRS -.7330 CST .9928
 LSA 972.4 MSA 291.7 SSA 16.8
 EL1 753.4 EL2 290.1 ALF 154.59

LAUNCH DATE APR 19 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 1 1967

HELIOCENTRIC CONIC

DISTANCE 223.033

RL 150.24 LAL -0.00 LOL 208.26 VL 23.193 GAL 17.32 AZL 91.91 MCA 81.87 SMA 108.01 ECC .47749 INC 1.9058 V1 29.657
 RP 108.90 LAP -1.89 LOP 290.13 VP 34.767 GAP -28.52 AZP 90.27 TAL 158.75 TAP 240.61 RCA 56.43 APO 159.58 V2 34.800
 RC 58.919 GL -4.26 GP 4.52 ZAL 49.63 ZAP 15.07 ETS 199.34 ZAE 140.14 ETE 165.90 ZAC 136.87 ETC 28.70 CLP 14.39

PLANETOCENTRIC CONIC

C3 98.451 VML 9.922 DLA 4.34 RAL 158.78 RAD 6569.9 VEL 14.825 PTM 2.68 VMP 17.278 DPA 26.01 RAP 128.53 ECC 2.6203
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 30 1 2736.35 -27.89 77.19 49.85 95.11 8 23 37 2136.4 -26.89 68.67
 90.00 20 40 36 5110.85 24.78 227.07 45.84 75.84 22 5 47 4510.9 22.59 219.08
 100.00 9 1 24 2467.42 -29.39 57.25 49.69 95.70 9 42 31 1867.4 -28.29 48.62
 100.00 21 59 55 4855.01 26.24 207.84 45.42 75.15 23 20 50 4255.0 23.95 199.79
 110.00 10 14 18 2239.22 -33.47 39.38 49.14 97.38 10 51 37 1639.2 -32.09 30.42
 110.00 23 3 30 4655.97 30.19 191.46 44.14 73.16 24 21 6 4056.0 27.59 183.23

DIFFERENTIAL CORRECTIONS

TDE .9947 TRA-2.5426 TC3 -.2302 BAU .3078
 RDE -.6921 RRA -.4907 RC3 .0412 FAU .01344
 FDE -.6408 FRA 1.2692 FC3 -.1182 BSP 5105
 BDE 1.2117 BRA 2.5895 BC3 .2339 FSP -191

MID-COURSE EXECUTION ACCURACY

SGT 1645.2 SGR 497.1 SG3 73.9
 RRT .1852 RRF -.1884 RTF -.8437
 SGB 1718.6 R23 -.0174 R13 -.8441
 SGI 1648.0 SG2 487.7 THA 3.51

ORBIT DETERMINATION ACCURACY

ST 724.7 SR 408.6 SS 643.1
 CRT -.6481 CRS -.7331 CST .9924
 LSA 1010.7 MSA 289.8 SSA 16.9
 EL1 780.1 EL2 289.1 ALF 156.51

LAUNCH DATE APR 19 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 3 1967

HELIOCENTRIC CONIC

DISTANCE 229.575

RL 150.24 LAL -0.00 LOL 208.26 VL 23.506 GAL 16.63 AZL 92.05 MCA 85.03 SMA 109.31 ECC .45897 INC 2.0471 V1 29.657
 RP 108.91 LAP -2.04 LOP 293.29 VP 34.972 GAP -27.32 AZP 90.18 TAL 158.06 TAP 243.08 RCA 59.14 APO 159.48 V2 34.795
 RC 57.057 GL -4.85 GP 4.75 ZAL 49.01 ZAP 13.93 ETS 201.77 ZAE 141.30 ETE 164.31 ZAC 135.09 ETC 27.83 CLP 13.11

PLANETOCENTRIC CONIC

C3 90.725 VML 9.525 DLA 3.54 RAL 159.18 RAD 6569.8 VEL 14.563 PTM 2.64 VMP 16.612 DPA 25.83 RAP 130.61 ECC 2.4931
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 45 34 2693.71 -27.59 74.11 48.49 96.63 8 30 28 2093.7 -26.39 65.65
 90.00 20 36 14 5117.88 24.90 227.55 45.25 76.06 22 1 32 4517.9 22.74 219.55
 100.00 9 8 34 2426.00 -29.07 54.21 48.28 97.27 9 48 0 1826.0 -27.76 45.66
 100.00 21 55 55 4860.83 26.35 208.24 44.84 75.34 23 16 56 4260.8 24.07 200.18
 110.00 10 20 57 2200.52 -33.09 36.42 47.61 99.10 10 57 18 1600.5 -31.48 27.57
 110.00 23 0 22 4659.08 30.26 191.68 43.59 73.27 24 18 1 4059.1 27.67 183.44

DIFFERENTIAL CORRECTIONS

TDE .9982 TRA-2.5520 TC3 -.2365 BAU .2925
 RDE -.6495 RRA -.4773 RC3 .0470 FAU .01377
 FDE -.6701 FRA 1.3107 FC3 -.1314 BSP 5281
 BDE 1.1909 BRA 2.5962 BC3 .2411 FSP -206

MID-COURSE EXECUTION ACCURACY

SGT 1711.4 SGR 493.4 SG3 79.6
 RRT .1984 RRF -.2027 RTF -.8524
 SGB 1781.1 R23 -.0193 R13 -.8528
 SGI 1714.5 SG2 482.7 THA 3.56

ORBIT DETERMINATION ACCURACY

ST 757.4 SR 400.1 SS 671.2
 CRT -.6428 CRS -.7322 CST .9918
 LSA 1049.3 MSA 287.9 SSA 17.0
 EL1 806.8 EL2 287.7 ALF 158.35

LAUNCH DATE APR 19 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 5 1967

HELIOCENTRIC CONIC

DISTANCE 236.155

RL 150.24 LAL -0.00 LOL 208.26 VL 23.800 GAL 15.97 AZL 92.19 MCA 88.19 SMA 110.58 ECC .44115 INC 2.1871 V1 29.657
 RP 108.92 LAP -2.19 LOP 296.45 VP 35.167 GAP -26.16 AZP 90.07 TAL 157.39 TAP 245.58 RCA 61.80 APO 159.36 V2 34.792
 RC 55.270 GL -5.48 GP 5.00 ZAL 48.44 ZAP 12.83 ETS 204.73 ZAE 142.54 ETE 162.51 ZAC 133.29 ETC 27.03 CLP 11.82

PLANETOCENTRIC CONIC

C3 83.645 VML 9.146 DLA 2.72 RAL 159.52 RAD 6569.6 VEL 14.318 PTM 2.60 VMP 15.965 DPA 25.65 RAP 132.70 ECC 2.3766
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 53 3 2650.03 -27.21 70.97 47.04 98.16 8 37 13 2050.0 -25.80 62.58
 90.00 20 31 28 5125.26 25.02 228.06 44.59 76.29 21 56 54 4525.3 22.89 220.04
 100.00 9 15 40 2383.56 -28.67 51.13 46.79 98.85 9 55 24 1783.6 -27.15 42.65
 100.00 21 51 33 4866.96 26.45 208.67 44.20 75.54 23 12 40 4267.0 24.20 200.59
 110.00 10 26 49 2160.85 -32.63 33.42 46.00 100.81 11 2.50 1560.9 -30.79 24.68
 110.00 22 56 53 4662.44 30.32 191.92 42.97 73.40 24 14 35 4062.4 27.75 183.67

DIFFERENTIAL CORRECTIONS

TDE 1.0043 TRA-2.5564 TC3 -.2406 BAU .2756
 RDE -.6075 RRA -.4642 RC3 .0534 FAU .01415
 FDE -.7020 FRA 1.3535 FC3 -.1465 BSP 5529
 BDE 1.1738 BRA 2.5982 BC3 .2464 FSP -224

MID-COURSE EXECUTION ACCURACY

SGT 1777.7 SGR 489.0 SG3 85.8
 RRT .2120 RRF -.2182 RTF -.8611
 SGB 1843.7 R23 -.0220 R13 -.8616
 SGI 1780.9 SG2 477.1 THA 3.60

ORBIT DETERMINATION ACCURACY

ST 792.1 SR 390.5 SS 701.0
 CRT -.6385 CRS -.7311 CST .9913
 LSA 1090.9 MSA 284.8 SSA 17.1
 EL1 835.9 EL2 284.8 ALF 160.13

LAUNCH DATE APR 19 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 7 1967

HELIOCENTRIC CONIC

DISTANCE 242.770

RL 150.24 LAL -1.00 LOL 208.26 VL 24.077 GAL 15.33 AZL 92.33 MCA 91.35 SMA 111.81 ECC .42402 INC 2.3265 V1 29.657
 RP 108.93 LAP -2.33 LOP 299.61 VP 35.352 GAP -25.05 AZP 89.95 TAL 156.76 TAP 248.11 RCA 64.40 APO 159.22 V2 34.789
 RC 53.566 GL -6.16 GP 5.29 ZAL 47.93 ZAP 11.78 ETS 208.37 ZAE 143.87 ETE 160.47 ZAC 131.47 ETC 26.30 CLP 10.54

PLANETOCENTRIC CONIC

C3 77.166 VML 8.784 DLA 1.87 RAL 159.80 RAD 6569.5 VEL 14.090 PTH 2.57 VMP 15.337 OPA 25.46 RAP 134.79 ECC 2.2700
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 0 29 2605.26 -26.74 67.78 45.52 99.69 8 43 54 2005.3 -25.12 59.48
 90.00 20 26 17 5133.16 25.15 228.60 43.87 76.53 21 51 50 4533.2 23.04 220.56
 100.00 9 22 42 2340.07 -28.17 47.99 45.24 100.43 10 1 42 1740.1 -26.44 39.61
 100.00 21 46 45 4873.58 26.56 209.13 43.48 75.76 23 7 59 4273.6 24.34 201.03
 110.00 10 32 56 2120.21 -32.07 30.38 44.32 102.53 11 8 17 1520.2 -30.01 21.77
 110.00 22 53 0 4666.21 30.39 192.19 42.29 73.55 24 10 46 4066.2 27.84 183.93

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0103 TRA-2.5588 TC3 -.2435 BAU .2588 SGT 1845.4 SGR 484.2 SG3 92.5 ST 827.9 SR 379.7 SS 732.4
 ROE -.5661 RRA -.4515 RC3 .0606 FAU .01458 RRT .2274 RRF -.2358 RTF -.8693 CRT -.6333 CRS -.7293 CST .9908
 FDE -.7361 FRA 1.3983 FC3 -.1635 BSP 5782 SGB 1907.9 R23 -.0250 R13 -.8699 LSA 1134.3 MSA 281.1 SSA 17.2
 BOE 1.1581 BRA 2.5983 BC3 .2509 FSP -244 SG1 1848.9 SG2 470.6 THA 3.65 EL1 866.4 EL2 280.7 ALF 161.83

LAUNCH DATE APR 19 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC

DISTANCE 249.413

RL 150.24 LAL -1.00 LOL 208.26 VL 24.337 GAL 14.72 AZL 92.47 MCA 94.51 SMA 113.01 ECC .40760 INC 2.4664 V1 29.657
 RP 108.94 LAP -2.46 LOP 302.77 VP 35.527 GAP -23.97 AZP 89.81 TAL 156.15 TAP 250.66 RCA 66.94 APO 159.07 V2 34.786
 RC 51.953 GL -6.89 GP 5.60 ZAL 47.47 ZAP 10.80 ETS 212.85 ZAE 145.27 ETE 158.13 ZAC 129.64 ETC 25.63 CLP 9.25

PLANETOCENTRIC CONIC

C3 71.242 VML 8.441 DLA .99 RAL 160.02 RAD 6569.4 VEL 13.878 PTH 2.53 VMP 14.729 OPA 25.29 RAP 136.87 ECC 2.1725
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 7 52 2559.37 -26.17 64.54 43.95 101.22 8 50 32 1959.4 -24.36 56.34
 90.00 20 20 38 5141.78 25.28 229.20 43.09 76.80 21 46 20 4541.8 23.21 221.14
 100.00 9 29 41 2295.50 -27.58 44.81 43.62 102.01 10 7 56 1695.5 -25.65 36.54
 100.00 21 41 31 4880.88 26.68 209.63 42.71 76.00 23 2 52 4280.9 24.49 201.52
 110.00 10 38 59 2078.57 -31.41 27.31 42.59 104.24 11 13 38 1478.6 -29.14 18.85
 110.00 22 48 42 4670.57 30.48 192.50 41.54 73.71 24 6 33 4070.6 27.95 184.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0160 TRA-2.5591 TC3 -.2449 BAU .2422 SGT 1914.5 SGR 479.0 SG3 99.8 ST 864.6 SR 367.6 SS 765.5
 ROE -.5251 RRA -.4395 RC3 .0685 FAU .01504 RRT .2450 RRF -.2557 RTF -.8772 CRT -.6270 CRS -.7264 CST .9904
 FDE -.7727 FRA 1.4453 FC3 -.1828 BSP 6033 SGB 1973.5 R23 -.0283 R13 -.8777 LSA 1179.7 MSA 276.8 SSA 17.2
 BOE 1.1437 BRA 2.5966 BC3 .2543 FSP -266 SG1 1918.3 SG2 463.5 THA 3.73 EL1 898.1 EL2 275.6 ALF 163.47

LAUNCH DATE APR 19 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 256.083

RL 150.24 LAL -1.00 LOL 208.26 VL 24.580 GAL 14.14 AZL 92.61 MCA 97.66 SMA 114.17 ECC .39188 INC 2.6074 V1 29.657
 RP 108.94 LAP -2.58 LOP 305.93 VP 35.693 GAP -22.93 AZP 89.65 TAL 155.58 TAP 253.24 RCA 69.43 APO 158.90 V2 34.785
 RC 50.440 GL -7.68 GP 5.94 ZAL 47.08 ZAP 9.91 ETS 218.37 ZAE 146.73 ETE 155.45 ZAC 127.80 ETC 25.01 CLP 7.95

PLANETOCENTRIC CONIC

C3 65.833 VML 8.114 DLA .08 RAL 160.17 RAD 6569.3 VEL 13.682 PTH 2.50 VMP 14.139 OPA 25.12 RAP 138.94 ECC 2.0835
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 15 16 2512.32 -25.50 61.25 42.32 102.74 8 57 8 1912.3 -23.49 53.16
 90.00 20 14 30 5151.32 25.43 229.86 42.25 77.10 21 40 21 4551.3 23.40 221.78
 100.00 9 36 38 2249.81 -26.89 41.59 41.95 103.57 10 14 8 1649.8 -24.76 33.44
 100.00 21 35 48 4889.06 26.82 210.21 41.88 76.27 22 57 17 4289.1 24.66 202.07
 110.00 10 44 58 2035.93 -30.65 24.22 40.82 105.92 11 18 54 1435.9 -28.17 15.91
 110.00 22 43 57 4675.71 30.58 192.87 40.74 73.91 24 1 53 4075.7 28.07 184.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0223 TRA-2.5571 TC3 -.2447 BAU .2258 SGT 1984.8 SGR 473.5 SG3 107.7 ST 902.6 SR 354.1 SS 800.5
 ROE -.4847 RRA -.4281 RC3 .0772 FAU .01555 RRT .2651 RRF -.2785 RTF -.8847 CRT -.6194 CRS -.7222 CST .9899
 FDE -.8124 FRA 1.4947 FC3 -.2045 BSP 6297 SGB 2040.5 R23 -.0321 R13 -.8852 LSA 1227.5 MSA 271.9 SSA 17.3
 BOE 1.1313 BRA 2.5927 BC3 .2566 FSP -289 SG1 1988.9 SG2 455.6 THA 3.82 EL1 931.4 EL2 269.4 ALF 165.06

LAUNCH DATE APR 19 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC

DISTANCE 262.774

RL 150.24 LAL -1.00 LOL 208.26 VL 24.809 GAL 13.58 AZL 92.75 MCA 100.82 SMA 115.29 ECC .37685 INC 2.7505 V1 29.657
 RP 108.94 LAP -2.70 LOP 309.10 VP 35.850 GAP -21.92 AZP 89.48 TAL 155.04 TAP 255.86 RCA 71.84 APO 158.73 V2 34.784
 RC 49.035 GL -8.53 GP 6.32 ZAL 46.75 ZAP 9.16 ETS 225.12 ZAE 148.23 ETE 152.35 ZAC 125.96 ETC 24.44 CLP 6.65

PLANETOCENTRIC CONIC

C3 60.903 VML 7.804 DLA -.87 RAL 160.26 RAD 6569.1 VEL 13.500 PTH 2.47 VMP 13.567 OPA 24.98 RAP 141.02 ECC 2.0023
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 22 40 2464.05 -24.74 57.92 40.64 104.24 9 3 44 1864.0 -22.54 49.94
 90.00 20 7 48 5162.04 25.59 230.60 41.36 77.44 21 33 50 4562.0 23.60 222.49
 100.00 9 43 37 2202.97 -26.10 38.33 40.25 105.11 10 20 20 1603.0 -23.77 30.30
 100.00 21 29 33 4898.35 26.97 210.86 41.00 76.59 22 51 11 4298.4 24.85 202.69
 110.00 10 50 56 1992.25 -29.80 21.11 39.02 107.58 11 24 8 1392.2 -27.10 12.96
 110.00 22 38 43 4681.83 30.69 193.31 39.89 74.15 23 56 45 4081.8 28.21 184.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0284 TRA-2.5531 TC3 -.2427 BAU .2099 SGT 2056.2 SGR 468.0 SG3 116.3 ST 941.5 SR 339.1 SS 837.6
 ROE -.4446 RRA -.4178 RC3 .0868 FAU .01610 RRT .2882 RRF -.3045 RTF -.8917 CRT -.6098 CRS -.7162 CST .9894
 FDE -.8554 FRA 1.5468 FC3 -.2289 BSP 6549 SGB 2108.8 R23 -.0364 R13 -.8923 LSA 1277.4 MSA 266.6 SSA 17.3
 BOE 1.1204 BRA 2.5871 BC3 .2578 FSP -315 SG1 2060.8 SG2 447.1 THA 3.94 EL1 965.8 EL2 262.0 ALF 166.61

LAUNCH DATE APR 19 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC

DISTANCE 269.484

RL 150.24 LAL -.00 LOL 208.26 VL 25.024 GAL 13.05 AZL 92.90 MCA 103.98 SMA 116.37 ECC .36250 INC 2.8966 V1 29.657
 RP 108.94 LAP -2.81 LOP 312.26 VP 35.999 GAP -20.95 AZP 89.30 TAL 154.53 TAP 258.51 RCA 74.18 APO 158.55 V2 34.784
 RC 47.750 GL -9.44 GP 6.74 ZAL 46.50 ZAP 8.59 ETS 233.19 ZAE 149.74 ETE 148.76 ZAC 124.10 ETC 23.92 CLP 5.33

PLANETOCENTRIC CONIC

C3 56.416 VML 7.511 DLA -1.87 RAL 160.29 RAD 6569.0 VEL 13.333 PTH 2.44 VMP 13.013 DPA 24.85 RAP 143.09 ECC 1.9285
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 30 9 2414.50 -23.86 54.56 38.94 105.71 9 10 23 1814.5 -21.48 46.70
 90.00 20 0 31 5174.19 25.77 231.45 40.43 77.83 21 26 45 4574.2 23.83 223.31
 100.00 9 50 37 2154.91 -25.21 35.04 38.51 106.62 10 26 32 1554.9 -22.69 27.15
 100.00 21 22 43 4909.02 27.13 211.61 40.09 76.95 22 44 32 4309.0 25.06 203.42
 110.00 10 56 52 1947.52 -28.84 17.98 37.20 109.21 11 29 20 1347.5 -23.94 9.99
 110.00 22 32 58 4689.17 30.83 193.84 39.01 74.44 23 51 7 4089.2 28.38 185.49

DIFFERENTIAL CORRECTIONS

TDE 1.0347 TRA-2.5472 TC3 -.2388 BAU .1945
 RDE -.4047 RRA -.4086 RC3 .0973 FAU .01670
 FDE -.9023 FRA 1.6019 FC3 -.2563 BSP 6804
 BDE 1.1111 BRA 2.5798 BC3 .2579 FSP -343

MID-COURSE EXECUTION ACCURACY

SGT 2128.7 SGR 462.5 SG3 125.7
 RRT .3150 RRF -.3345 RTF -.8983
 SGB 2178.3 R23 -.0411 R13 -.8990
 SGI 2133.9 SG2 437.9 THA 4.09

ORBIT DETERMINATION ACCURACY

ST 981.5 SR 322.6 SS 877.0
 CRT -.5974 CRS -.7078 CST .9889
 LSA 1329.7 MSA 260.7 SSA 17.3
 EL1 1001.5 EL2 253.5 ALF 168.12

LAUNCH DATE APR 19 1967

FLIGHT TIME 120.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 276.209

RL 150.24 LAL -.00 LOL 208.26 VL 25.224 GAL 12.54 AZL 93.05 MCA 107.14 SMA 117.40 ECC .34883 INC 3.0468 V1 29.657
 RP 108.94 LAP -2.91 LOP 315.42 VP 36.139 GAP -20.01 AZP 89.10 TAL 154.05 TAP 261.19 RCA 76.45 APO 158.36 V2 34.785
 RC 46.594 GL -10.42 GP 7.21 ZAL 46.31 ZAP 8.24 ETS 242.45 ZAE 151.22 ETE 144.59 ZAC 122.24 ETC 23.44 CLP 4.00

PLANETOCENTRIC CONIC

C3 52.342 VML 7.235 DLA -2.91 RAL 160.24 RAD 6568.9 VEL 13.180 PTH 2.41 VMP 12.477 DPA 24.75 RAP 145.15 ECC 1.8614
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 37 43 2363.60 -22.88 51.15 37.22 107.15 9 17 6 1763.6 -20.32 43.41
 90.00 19 52 34 5188.07 25.96 232.42 39.46 78.28 21 19 2 4588.1 24.08 224.25
 100.00 9 57 42 2105.58 -24.21 31.72 36.76 108.10 10 32 47 1505.6 -21.51 23.96
 100.00 21 15 16 4921.32 27.32 212.47 39.14 77.37 22 37 17 4321.3 25.30 204.25
 110.00 11 2 50 1901.69 -27.77 14.84 35.36 110.79 11 34 31 1301.7 -24.69 7.03
 110.00 22 26 38 4697.98 30.98 194.48 38.09 74.78 23 44 56 4098.0 28.59 186.10

DIFFERENTIAL CORRECTIONS

TDE 1.0420 TRA-2.5390 TC3 -.2324 BAU .1796
 RDE -.3649 RRA -.4008 RC3 .1089 FAU .01736
 FDE -.9338 FRA 1.6602 FC3 -.2871 BSP 7062
 BDE 1.1040 BRA 2.5705 BC3 .2567 FSP -374

MID-COURSE EXECUTION ACCURACY

SGT 2201.8 SGR 457.6 SG3 136.0
 RRT .3459 RRF -.3688 RTF -.9046
 SGB 2248.8 R23 -.0466 R13 -.9054
 SGI 2207.7 SG2 428.2 THA 4.27

ORBIT DETERMINATION ACCURACY

ST 1022.7 SR 304.4 SS 919.0
 CRT -.5813 CRS -.6960 CST .9885
 LSA 1384.9 MSA 254.4 SSA 17.3
 EL1 1038.8 EL2 243.8 ALF 169.61

LAUNCH DATE APR 19 1967

FLIGHT TIME 122.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 282.947

RL 150.24 LAL -.00 LOL 208.26 VL 25.412 GAL 12.05 AZL 93.20 MCA 110.30 SMA 118.40 ECC .33581 INC 3.2023 V1 29.657
 RP 108.94 LAP -3.00 LOP 318.59 VP 36.272 GAP -19.10 AZP 88.89 TAL 153.60 TAP 263.90 RCA 78.64 APO 158.16 V2 34.786
 RC 45.578 GL -11.48 GP 7.74 ZAL 46.21 ZAP 8.18 ETS 252.48 ZAE 152.61 ETE 139.77 ZAC 120.37 ETC 23.00 CLP 2.65

PLANETOCENTRIC CONIC

C3 48.653 VML 6.975 DLA -4.00 RAL 160.12 RAD 6568.8 VEL 13.039 PTH 2.38 VMP 11.959 DPA 24.70 RAP 147.22 ECC 1.8007
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 45 26 2311.26 -21.79 47.70 35.49 108.54 9 23 57 1711.3 -19.06 40.09
 90.00 19 43 54 5204.01 26.18 233.53 38.47 78.80 21 10 38 4604.0 24.37 225.33
 100.00 10 4 54 2054.91 -23.09 28.36 35.00 109.53 10 39 9 1454.9 -20.22 20.75
 100.00 21 7 4935.59 27.53 213.48 38.16 77.86 22 29 23 4335.6 25.58 205.22
 110.00 11 8 50 1854.74 -26.59 11.70 33.52 112.31 11 39 45 1254.7 -23.33 4.05
 110.00 22 19 40 4708.53 31.17 195.24 37.16 75.20 23 38 8 4108.5 28.82 186.83

DIFFERENTIAL CORRECTIONS

TDE 1.0503 TRA-2.5286 TC3 -.2240 BAU .1657
 RDE -.3250 RRA -.3947 RC3 .1215 FAU .01806
 FDE -1.0105 FRA 1.7222 FC3 -.3214 BSP 7318
 BDE 1.0994 BRA 2.5592 BC3 .2548 FSP -407

MID-COURSE EXECUTION ACCURACY

SGT 2275.4 SGR 453.5 SG3 147.2
 RRT .3813 RRF -.4082 RTF -.9105
 SGB 2320.1 R23 -.0529 R13 -.9114
 SGI 2282.2 SG2 418.0 THA 4.50

ORBIT DETERMINATION ACCURACY

ST 1065.2 SR 284.3 SS 963.8
 CRT -.5597 CRS -.6790 CST .9880
 LSA 1443.2 MSA 247.8 SSA 17.2
 EL1 1077.6 EL2 232.9 ALF 171.08

LAUNCH DATE APR 19 1967

FLIGHT TIME 124.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 289.693

RL 150.24 LAL -.00 LOL 208.26 VL 25.588 GAL 11.59 AZL 93.36 MCA 113.45 SMA 119.36 ECC .32344 INC 3.3642 V1 29.657
 RP 108.93 LAP -3.09 LOP 321.75 VP 36.397 GAP -18.22 AZP 88.66 TAL 153.19 TAP 266.65 RCA 80.75 APO 157.96 V2 34.788
 RC 44.711 GL -12.62 GP 8.34 ZAL 46.18 ZAP 8.44 ETS 262.55 ZAE 153.86 ETE 134.23 ZAC 118.50 ETC 22.60 CLP 1.29

PLANETOCENTRIC CONIC

C3 45.324 VML 6.732 DLA -5.16 RAL 159.92 RAD 6568.7 VEL 12.911 PTH 2.35 VMP 11.458 DPA 24.69 RAP 149.28 ECC 1.7459
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 53 21 2257.37 -20.58 44.21 33.75 109.89 9 30 58 1657.4 -17.69 36.73
 90.00 19 34 26 5222.38 26.41 234.83 37.47 79.40 21 1 28 4622.4 24.68 226.59
 100.00 10 12 15 2002.81 -21.87 24.98 33.24 110.90 10 45 38 1402.8 -18.83 17.50
 100.00 20 58 12 4952.17 27.76 214.66 37.17 78.44 22 20 44 4352.2 25.88 206.36
 110.00 11 14 56 1806.60 -25.31 8.54 31.70 113.78 11 45 2 1206.6 -21.88 1.07
 110.00 22 12 1 4721.15 31.39 196.16 36.22 75.71 23 30 42 4121.1 29.10 187.70

DIFFERENTIAL CORRECTIONS

TDE 1.0594 TRA-2.5163 TC3 -.2127 BAU .1527
 RDE -.2847 RRA -.3905 RC3 .1353 FAU .01882
 FDE -1.0733 FRA 1.7879 FC3 -.3596 BSP 7565
 BDE 1.0970 BRA 2.5464 BC3 .2521 FSP -444

MID-COURSE EXECUTION ACCURACY

SGT 2349.1 SGR 450.8 SG3 159.4
 RRT .4220 RRF -.4529 RTF -.9161
 SGB 2392.0 R23 -.0599 R13 -.9171
 SGI 2357.1 SG2 407.4 THA 4.77

ORBIT DETERMINATION ACCURACY

ST 1108.7 SR 262.2 SS 1011.9
 CRT -.5295 CRS -.6543 CST .9876
 LSA 1504.5 MSA 240.9 SSA 17.2
 EL1 1117.7 EL2 220.7 ALF 172.57

LAUNCH DATE APR 19 1967

FLIGHT TIME 126.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 296.445

RL 150.24 LAL -.00 LOL 208.26 VL 25.753 GAL 11.15 AZL 93.53 HCA 116.61 SMA 120.27 ECC .31170 INC 3.5341 V1 29.657
 RP 108.92 LAP -3.16 LOP 324.92 VP 36.516 GAP -17.36 AZP 88.42 TAL 152.82 TAP 269.43 RCA 82.78 APO 157.76 V2 34.791
 RC 44.000 GL -13.85 GP 9.01 ZAL 46.25 ZAP 9.01 ETS 271.90 ZAE 154.88 ETE 127.96 ZAC 116.62 ETC 22.24 CLP -.10

PLANETOCENTRIC CONIC

C3 42.333 VHL 6.506 OLA -6.38 RAL 159.65 RAD 6568.6 VEL 12.794 PTH 2.33 VHP 10.975 DPA 24.74 RAP 151.35 ECC 1.6967
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 1 32 2201.77 -19.26 40.67 32.04 111.17 9 38 13 1601.8 -16.21 33.32
 90.00 19 24 4 5243.60 -26.67 236.33 36.46 80.11 20 51 27 4643.6 25.03 228.04
 100.00 10 19 50 1949.15 -20.52 21.56 31.50 112.22 10 52 19 1349.1 -17.33 14.22
 100.00 20 48 26 4971.46 28.01 216.04 36.18 79.12 22 11 18 4371.5 26.23 207.69
 110.00 11 21 9 1757.20 -23.92 5.38 29.89 115.18 11 50 26 1157.2 -20.32 358.08
 110.00 22 3 37 4736.17 31.63 197.26 35.27 76.31 23 22 33 4136.2 29.43 188.75

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0689 TRA-2.5017 TC3 -.1988 BAU .1410
 RDE -.2436 RRA -.3886 RC3 .1503 FAU .01966
 FDE-1.1435 FRA 1.8574 FC3 -.4020 BSP 7801
 BDE 1.0963 BRA 2.5317 BC3 .2492 FSP -484

SGT 2422.2 SGR 450.4 SG3 172.7
 RRT .4683 RRF -.5032 RTF -.9213
 SGB 2463.7 R23 -.0678 R13 -.9224
 SG1 2431.6 SG2 396.4 THA 5.11

ST 1152.6 SR 238.1 SS 1063.6
 CRT -.4855 CRS -.6173 CST .9871
 LSA 1568.9 MSA 234.2 SSA 17.0
 EL1 1158.5 EL2 207.1 ALF 174.08

LAUNCH DATE APR 19 1967

FLIGHT TIME 128.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 303.201

RL 150.24 LAL -.00 LOL 208.26 VL 25.906 GAL 10.72 AZL 93.71 HCA 119.77 SMA 121.14 ECC .30058 INC 3.7136 V1 29.657
 RP 108.91 LAP -3.22 LOP 328.09 VP 36.627 GAP -16.53 AZP 88.15 TAL 152.47 TAP 272.25 RCA 84.73 APO 157.55 V2 34.795
 RC 43.455 GL -15.18 GP 9.77 ZAL 46.41 ZAP 9.89 ETS 280.01 ZAE 155.58 ETE 121.04 ZAC 114.73 ETC 21.90 CLP -1.51

PLANETOCENTRIC CONIC

C3 39.659 VHL 6.298 OLA -7.67 RAL 159.29 RAD 6568.5 VEL 12.690 PTH 2.31 VHP 10.510 DPA 24.87 RAP 153.43 ECC 1.6527
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 10 4 2144.29 -17.80 37.08 30.34 112.39 9 45 48 1544.3 -14.61 29.86
 90.00 19 12 41 5268.15 26.94 238.07 35.45 80.95 20 40 29 4668.1 25.42 229.74
 100.00 10 27 43 1893.77 -19.06 18.10 29.78 113.47 10 59 17 1293.8 -15.72 10.90
 100.00 20 37 43 4993.90 28.29 217.65 35.20 79.92 22 0 57 4393.9 26.61 209.25
 110.00 11 27 32 1706.45 -22.41 2.21 28.11 116.51 11 55 59 1106.5 -18.67 355.08
 110.00 21 54 23 4753.98 31.91 198.58 34.35 77.04 23 13 37 4154.0 29.80 190.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0880 TRA-2.4809 TC3 -.1773 BAU .1290
 RDE -.2012 RRA -.3894 RC3 .1666 FAU .02060
 FDE-1.2232 FRA 1.9302 FC3 -.4496 BSP 8168
 BDE 1.1064 BRA 2.5112 BC3 .2433 FSP -531

SGT 2493.3 SGR 453.2 SG3 187.3
 RRT .5187 RRF -.5584 RTF -.9271
 SGB 2534.2 R23 -.0769 R13 -.9283
 SG1 2504.7 SG2 385.7 THA 5.52

ST 1202.8 SR 212.3 SS 1120.0
 CRT -.4230 CRS -.5600 CST .9873
 LSA 1641.6 MSA 225.8 SSA 16.8
 EL1 1206.2 EL2 191.8 ALF 175.62

LAUNCH DATE APR 19 1967

FLIGHT TIME 130.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 309.958

RL 150.24 LAL -.00 LOL 208.26 VL 26.049 GAL 10.32 AZL 93.90 HCA 122.93 SMA 121.97 ECC .29007 INC 3.9050 V1 29.657
 RP 108.90 LAP -3.28 LOP 331.25 VP 36.733 GAP -15.73 AZP 87.87 TAL 152.17 TAP 275.10 RCA 86.59 APO 157.35 V2 34.799
 RC 43.079 GL -16.61 GP 10.64 ZAL 46.68 ZAP 11.03 ETS 286.69 ZAE 155.90 ETE 113.66 ZAC 112.84 ETC 21.60 CLP -2.95

PLANETOCENTRIC CONIC

C3 37.287 VHL 6.106 OLA -9.03 RAL 158.85 RAD 6568.5 VEL 12.596 PTH 2.28 VHP 10.063 DPA 25.08 RAP 155.51 ECC 1.6137
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 19 3 2084.68 -16.22 33.42 28.69 113.53 9 53 47 1484.7 -12.90 26.32
 90.00 19 0 10 5296.60 27.23 240.10 34.47 81.93 20 28 26 4696.6 25.84 231.72
 100.00 10 35 59 1836.49 -17.47 14.59 28.10 114.65 11 6 35 1236.5 -14.00 7.52
 100.00 20 25 55 5020.02 28.59 219.53 34.23 80.87 21 49 35 4420.0 27.03 211.07
 110.00 11 34 11 1654.25 -20.79 359.03 26.37 117.77 12 1 45 1054.2 -16.91 352.05
 110.00 21 44 12 4775.03 32.22 200.14 33.45 77.92 23 3 47 4175.0 30.22 191.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1036 TRA-2.4631 TC3 -.1580 BAU .1210
 RDE -.1571 RRA -.3934 RC3 .1843 FAU .02154
 FDE-1.3112 FRA 2.0089 FC3 -.5000 BSP 8392
 BDE 1.1147 BRA 2.4943 BC3 .2428 FSP -579

SGT 2566.3 SGR 460.6 SG3 203.2
 RRT .5742 RRF -.6182 RTF -.9317
 SGB 2607.3 R23 -.0874 R13 -.9332
 SG1 2580.2 SG2 375.0 THA 6.01

ST 1251.0 SR 185.3 SS 1180.0
 CRT -.3190 CRS -.4653 CST .9870
 LSA 1715.7 MSA 219.0 SSA 16.5
 EL1 1252.5 EL2 175.5 ALF 177.24

LAUNCH DATE APR 19 1967

FLIGHT TIME 132.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 316.714

RL 150.24 LAL -.00 LOL 208.26 VL 26.182 GAL 9.94 AZL 94.11 HCA 126.09 SMA 122.75 ECC .28014 INC 4.1106 V1 29.657
 RP 108.88 LAP -3.32 LOP 334.42 VP 36.832 GAP -14.95 AZP 87.58 TAL 151.89 TAP 277.98 RCA 88.36 APO 157.14 V2 34.804
 RC 42.876 GL -18.15 GP 11.63 ZAL 47.06 ZAP 12.43 ETS 292.00 ZAE 155.76 ETE 106.11 ZAC 110.94 ETC 21.32 CLP -4.43

PLANETOCENTRIC CONIC

C3 35.205 VHL 5.933 OLA -10.49 RAL 158.31 RAD 6568.4 VEL 12.513 PTH 2.27 VHP 9.634 DPA 25.41 RAP 157.62 ECC 1.5794
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 28 36 2022.63 -14.50 29.68 27.08 114.59 10 2 19 1422.6 -11.06 22.69
 90.00 18 46 19 5329.61 27.53 242.48 33.51 83.08 20 15 9 4729.6 26.28 234.03
 100.00 10 44 44 1777.03 -15.75 11.01 26.48 115.74 11 14 21 1177.0 -12.16 4.06
 100.00 20 12 53 5050.44 28.90 221.74 33.30 82.00 21 37 3 4450.4 27.49 213.22
 110.00 11 41 8 1600.41 -19.05 355.83 24.69 118.94 12 7 48 1000.4 -15.04 349.00
 110.00 21 32 57 4799.83 32.56 202.00 32.59 78.97 22 52 57 4199.8 30.70 193.28

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1280 TRA-2.4375 TC3 -.1301 BAU .1137
 RDE -.1102 RRA -.4010 RC3 .2036 FAU .02263
 FDE-1.4131 FRA 2.0896 FC3 -.5565 BSP 8746
 BDE 1.1334 BRA 2.4703 BC3 .2416 FSP -635

SGT 2634.5 SGR 474.1 SG3 220.4
 RRT .6321 RRF -.6800 RTF -.9368
 SGB 2676.8 R23 -.0984 R13 -.9385
 SG1 2651.8 SG2 365.0 THA 6.62

ST 1304.7 SR 159.2 SS 1246.2
 CRT -.1496 CRS -.3034 CST .9872
 LSA 1798.9 MSA 211.0 SSA 16.1
 EL1 1304.9 EL2 157.3 ALF 178.94

LAUNCH DATE APR 19 1967

FLIGHT TIME 134.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 323.467

RL 150.24 LAL -.00 LOL 208.26 VL 26.306 GAL 9.58 AZL 94.33 MCA 129.25 SMA 123.49 ECC .27079 INC 4.3334 V1 29.657
 RP 108.87 LAP -3.35 LOP 337.59 VP 36.925 GAP -14.20 AZP 87.25 TAL 151.65 YAP 280.90 RCA 90.05 APO 156.94 V2 34.809
 RC 42.849 GL -19.82 GP 12.76 ZAL 47.56 ZAP 14.06 ETS 296.10 ZAE 155.13 ETE 98.77 ZAC 109.03 ETC 21.06 CLP -5.94

PLANETOCENTRIC CONIC

C3 33.404 VML 5.780 DLA -12.04 RAL 157.68 RAD 6568.3 VEL 12.441 PTH 2.25 VMP 9.226 DPA 25.87 RAP 159.75 ECC 1.5498
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 38 55 1957.70 -12.62 25.83 25.55 115.56 10 11 33 1357.7 -9.08 18.95
 90.00 18 30 57 5368.04 27.81 245.25 32.59 84.44 20 0 25 4768.0 26.75 236.75
 100.00 10 54 8 1715.07 -13.88 7.36 24.92 116.74 11 22 43 1115.1 -10.18 .52
 100.00 19 58 26 5085.90 29.21 224.33 32.42 83.33 21 23 11 4485.9 27.97 215.74
 110.00 11 48 30 1544.77 -17.18 352.59 23.07 120.02 12 14 15 944.8 -13.06 345.90
 110.00 21 20 32 4828.97 32.92 204.19 31.79 80.23 22 41 1 4229.0 31.22 195.58

DIFFERENTIAL CORRECTIONS

TDE 1.1498 TRA-2.4166 TC3 -.1069 BAU .1109
 RDE -.0598 RRA -.4133 RC3 .2241 FAU .02365
 FDE-1.5257 FRA 2.1773 FC3 -.6130 BSP 8939
 BDE 1.1513 BRA 2.4517 BC3 .2483 FSP -691

MID-COURSE EXECUTION ACCURACY

SGT 2704.5 SGR 496.2 SG3 239.1
 RRT .6906 RRF -.7418 RTF -.9408
 SGB 2749.6 R23 -.1114 R13 -.9428
 SG1 2726.5 SG2 355.9 THA 7.35

ORBIT DETERMINATION ACCURACY

ST 1356.2 SR 139.2 SS 1316.1
 CRT .1314 CRS -.0271 CST .9871
 LSA 1883.7 MSA 205.1 SSA 15.7
 EL1 1356.3 EL2 138.0 ALF .78

LAUNCH DATE APR 19 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 330.215

RL 150.24 LAL -.00 LOL 208.26 VL 26.421 GAL 9.24 AZL 94.58 MCA 132.41 SMA 124.20 ECC .26199 INC 4.5775 V1 29.657
 RP 108.85 LAP -3.38 LOP 340.76 VP 37.013 GAP -13.46 AZP 86.91 TAL 151.44 YAP 283.85 RCA 91.66 APO 156.73 V2 34.815
 RC 42.995 GL -21.63 GP 14.08 ZAL 48.19 ZAP 15.91 ETS 299.19 ZAE 154.02 ETE 91.98 ZAC 107.10 ETC 20.82 CLP -7.49

PLANETOCENTRIC CONIC

C3 31.881 VML 5.646 DLA -13.69 RAL 156.94 RAD 6568.3 VEL 12.380 PTH 2.23 VMP 8.837 DPA 26.49 RAP 161.92 ECC 1.5247
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 50 13 1889.32 -10.58 21.85 24.11 116.42 10 21 42 1289.3 -6.95 15.05
 90.00 18 13 45 5412.90 28.06 248.51 31.72 86.06 19 43 58 4812.9 27.22 239.94
 100.00 11 4 21 1650.12 -11.86 3.60 23.44 117.64 11 31 51 1050.1 -8.07 356.86
 100.00 19 42 18 5127.33 29.49 227.38 31.59 84.90 21 7 45 4527.3 28.48 218.72
 110.00 11 56 25 1487.03 -15.19 349.30 21.52 121.00 12 21 12 887.0 -10.97 342.74
 110.00 21 6 43 4863.18 33.29 206.80 31.07 81.72 22 27 46 4263.2 31.78 197.89

DIFFERENTIAL CORRECTIONS

TDE 1.1810 TRA-2.3895 TC3 -.0764 BAU .1099
 RDE -.0041 RRA -.4307 RC3 .2464 FAU .02480
 FDE-1.6559 FRA 2.2665 FC3 -.6734 BSP 9232
 BDE 1.1810 BRA 2.4280 BC3 .2579 FSP -756

MID-COURSE EXECUTION ACCURACY

SGT 2769.8 SGR 529.0 SG3 259.3
 RRT .7465 RRF -.7998 RTF -.9451
 SGB 2819.9 R23 -.1245 R13 -.9475
 SG1 2798.3 SG2 348.4 THA 8.24

ORBIT DETERMINATION ACCURACY

ST 1413.0 SR 135.3 SS 1393.0
 CRT .5023 CRS .3607 CST .9874
 LSA 1978.8 MSA 198.8 SSA 15.1
 EL1 1414.7 EL2 116.8 ALF 2.77

LAUNCH DATE APR 19 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 336.954

RL 150.24 LAL -.00 LOL 208.26 VL 26.528 GAL 8.92 AZL 94.85 MCA 135.57 SMA 124.86 ECC .25373 INC 4.8475 V1 29.657
 RP 108.83 LAP -3.39 LOP 343.94 VP 37.096 GAP -12.75 AZP 86.53 TAL 151.26 YAP 286.83 RCA 93.18 APO 156.54 V2 34.822
 RC 43.312 GL -23.59 GP 15.61 ZAL 48.97 ZAP 15.61 ETS 301.43 ZAE 152.46 ETE 85.98 ZAC 105.15 ETC 20.59 CLP -9.08

PLANETOCENTRIC CONIC

C3 30.636 VML 5.535 DLA -15.47 RAL 156.08 RAD 6568.2 VEL 12.329 PTH 2.22 VMP 8.472 DPA 27.31 RAP 164.16 ECC 1.5042
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 2 48 1816.61 -8.35 17.67 22.79 117.16 10 33 4 1216.6 -4.64 10.95
 90.00 17 54 19 5465.58 28.25 252.35 30.91 87.98 19 25 25 4865.6 27.67 243.73
 100.00 11 15 40 1581.51 -9.66 359.69 22.08 118.43 11 42 1 981.5 -5.79 353.04
 100.00 19 24 8 5175.92 29.73 230.97 30.84 86.78 20 50 24 4575.9 28.97 222.25
 110.00 12 5 2 1426.85 -13.05 345.95 20.08 121.88 12 28 49 826.8 -8.74 339.50
 110.00 20 51 15 4903.34 33.64 209.88 30.45 83.52 22 12 59 4303.3 32.37 200.87

DIFFERENTIAL CORRECTIONS

TDE 1.2276 TRA-2.3517 TC3 -.0330 BAU .1117
 RDE .0591 RRA -.4538 RC3 .2707 FAU .02618
 FDE-1.8093 FRA 2.3527 FC3 -.7398 BSP 9736
 BDE 1.2290 BRA 2.3951 BC3 .2727 FSP -835

MID-COURSE EXECUTION ACCURACY

SGT 2827.7 SGR 575.5 SG3 280.8
 RRT .7977 RRF -.8510 RTF -.9502
 SGB 2885.7 R23 -.1356 R13 -.9530
 SG1 2865.3 SG2 342.5 THA 9.36

ORBIT DETERMINATION ACCURACY

ST 1479.5 SR 158.8 SS 1479.1
 CRT .8025 CRS .7032 CST .9882
 LSA 2089.3 MSA 190.7 SSA 14.3
 EL1 1485.0 EL2 94.4 ALF 4.94

LAUNCH DATE APR 19 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 343.704

RL 150.24 LAL -.00 LOL 208.26 VL 26.627 GAL 8.62 AZL 95.15 MCA 138.74 SMA 125.48 ECC .24605 INC 5.1499 V1 29.657
 RP 108.80 LAP -3.39 LOP 347.11 VP 37.174 GAP -12.06 AZP 86.12 TAL 151.09 YAP 289.83 RCA 94.60 APO 156.35 V2 34.830
 RC 43.796 GL -25.70 GP 17.39 ZAL 49.88 ZAP 20.33 ETS 302.97 ZAE 150.48 ETE 80.89 ZAC 103.16 ETC 20.36 CLP -10.71

PLANETOCENTRIC CONIC

C3 29.703 VML 5.450 DLA -17.37 RAL 155.12 RAD 6568.2 VEL 12.291 PTH 2.21 VMP 8.134 DPA 28.35 RAP 166.49 ECC 1.4888
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 17 12 1738.60 -5.90 13.25 21.65 117.75 10 46 11 1138.6 -2.14 6.59
 90.00 17 32 12 5528.09 28.32 256.92 30.20 89.27 19 4 20 4928.1 28.05 248.27
 100.00 11 28 29 1508.56 -7.27 355.59 20.90 119.07 11 53 38 908.6 -3.34 349.01
 100.00 19 3 36 5233.36 29.88 235.23 30.19 89.02 20 30 49 4633.4 29.42 226.46
 110.00 12 14 38 1364.00 -10.76 342.52 18.79 122.64 12 37 22 764.0 -6.39 336.16
 110.00 20 33 57 4950.69 33.94 213.54 29.97 85.67 21 56 28 4350.7 32.97 204.44

DIFFERENTIAL CORRECTIONS

TDE 1.0628 TRA-2.5325 TC3 -.2843 BAU .1574
 RDE .1177 RRA -.5007 RC3 .2761 FAU .02147
 FDE-1.8560 FRA 2.5766 FC3 -.6257 BSP 5012
 BDE 1.0693 BRA 2.5815 BC3 .3963 FSP -849

MID-COURSE EXECUTION ACCURACY

SGT 3020.9 SGR 640.4 SG3 303.3
 RRT .8186 RRF -.8949 RTF -.9320
 SGB 3088.0 R23 -.2103 R13 -.9366
 SG1 3066.7 SG2 362.4 THA 9.98

ORBIT DETERMINATION ACCURACY

ST 1396.0 SR 206.8 SS 1496.1
 CRT .9582 CRS .8687 CST .9732
 LSA 2041.4 MSA 249.8 SSA 13.6
 EL1 1410.0 EL2 58.6 ALF 8.09

LAUNCH DATE APR 19 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 350.412

RL 150.24 LAL -.00 LOL 208.26 VL 26.719 GAL 8.33 AZL 95.49 MCA 141.90 SMA 126.06 ECC .23878 INC 5.4932 VI 29.657
 RP 108.78 LAP -3.39 LOP 350.29 VP 37.247 GAP -11.38 AZP 85.67 TAL 150.98 TAP 292.87 RCA 95.96 APO 156.16 V2 34.838
 RC 44.440 GL -28.01 GP 19.49 ZAL 51.00 ZAP 22.97 ETS 303.94 ZAE 148.10 ETE 76.79 ZAC 101.13 ETC 20.14 CLP -12.40

PLANETOCENTRIC CONIC

C3 29.049 VHL 5.390 DLA -19.41 RAL 153.97 RAD 6568.2 VEL 12.265 PTH 2.21 VMP 7.821 DPA 29.70 RAP 168.94 ECC 1.4781
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 34 2 1652.46 -3.15 8.41 20.67 118.16 11 1 34 1052.5 .64 1.78
 90.00 17 6 15 5603.07 28.17 262.40 29.49 93.01 18 39 38 5003.1 28.29 253.74
 100.00 11 43 16 1429.04 -4.62 351.18 19.86 119.57 12 7 5 829.0 -.65 344.64
 100.00 18 39 42 5301.73 29.85 240.31 29.57 91.69 20 8 4 4701.7 29.76 231.51
 110.00 12 25 23 1297.08 -8.29 338.92 17.61 123.28 12 47 0 697.1 -3.85 332.64
 110.00 20 14 5 5006.45 34.14 217.88 29.56 88.23 21 37 31 4406.5 33.52 208.70

DIFFERENTIAL CORRECTIONS

TDE 1.2805 TRA-2.3378 TC3 -.0354 BAU .1236
 ROE .2134 RRA -.5289 RC3 .3163 FAU .02691
 FDE-2.1425 FRA 2.5635 FC3 -.8020 BSP 9156
 BDE 1.2981 BRA 2.3969 BC3 .3183 FSP -923

MID-COURSE EXECUTION ACCURACY

SGT 2966.1 SGR 723.3 SG3 326.5
 RRT .8701 RRF -.9270 RTF -.9528
 SGB 3053.0 R23 -.1751 R13 -.9574
 SGI 3033.0 SG2 348.6 TMA 12.14

ORBIT DETERMINATION ACCURACY

ST 1574.1 SR 289.1 SS 1646.8
 CRT .9894 CRS .9539 CST .9868
 LSA 2288.0 MSA 195.8 SSA 12.4
 EL1 1599.9 EL2 41.4 ALF 10.30

LAUNCH DATE APR 19 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 357.120

RL 150.24 LAL -.00 LOL 208.26 VL 26.803 GAL 8.06 AZL 95.89 MCA 145.06 SMA 126.60 ECC .23204 INC 5.8886 VI 29.657
 RP 108.75 LAP -3.37 LOP 353.46 VP 37.316 GAP -10.73 AZP 85.17 TAL 150.88 TAP 295.94 RCA 97.23 APO 155.98 V2 34.846
 RC 45.237 GL -30.51 GP 21.97 ZAL 52.30 ZAP 25.93 ETS 304.41 ZAE 145.33 ETE 73.59 ZAC 99.04 ETC 19.88 CLP -14.14

PLANETOCENTRIC CONIC

C3 28.763 VHL 5.363 DLA -21.61 RAL 152.68 RAD 6568.2 VEL 12.253 PTH 2.20 VMP 7.545 DPA 31.38 RAP 171.57 ECC 1.4734
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 54 44 1555.11 -.01 2.98 20.02 118.32 11 20 39 955.1 3.77 356.34
 90.00 16 35 13 5695.48 27.66 269.11 28.80 96.34 18 10 8 5095.5 28.25 260.50
 100.00 12 1 4 1341.03 -1.65 346.33 19.11 119.85 12 23 25 741.0 2.34 339.81
 100.00 18 11 34 5384.79 29.52 246.47 29.01 94.91 19 41 19 4784.8 29.89 237.68
 110.00 12 37 53 1225.64 -5.60 335.13 16.65 123.78 12 58 18 625.6 -1.12 328.91
 110.00 19 51 14 5072.95 34.16 223.08 29.31 91.30 21 15 47 4472.9 33.96 213.84

DIFFERENTIAL CORRECTIONS

TDE 1.3656 TRA-2.2884 TC3 .0154 BAU .1322
 ROE .3182 RRA -.5781 RC3 .3434 FAU .02816
 FDE-2.3706 FRA 2.6315 FC3 -.8475 BSP 9851
 BDE 1.4022 BRA 2.3603 BC3 .3437 FSP -1021

MID-COURSE EXECUTION ACCURACY

SGT 3007.2 SGR 832.2 SG3 349.7
 RRT .8986 RRF -.9514 RTF -.9580
 SGB 3120.3 R23 -.1785 R13 -.9636
 SGI 3100.1 SG2 354.1 TMA 14.15

ORBIT DETERMINATION ACCURACY

ST 1658.6 SR 394.2 SS 1753.8
 CRT .9990 CRS .9826 CST .9885
 LSA 2438.5 MSA 188.2 SSA 11.3
 EL1 1704.7 EL2 17.0 ALF 13.36

LAUNCH DATE APR 19 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 363.816

RL 150.24 LAL -.00 LOL 208.26 VL 26.881 GAL 7.81 AZL 96.35 MCA 148.22 SMA 127.11 ECC .22577 INC 6.3522 VI 29.657
 RP 108.72 LAP -3.34 LOP 356.64 VP 37.380 GAP -10.09 AZP 84.59 TAL 150.80 TAP 299.03 RCA 98.41 APO 155.81 V2 34.856
 RC 46.178 GL -33.24 GP 24.92 ZAL 53.81 ZAP 29.29 ETS 304.46 ZAE 142.15 ETE 71.22 ZAC 96.85 ETC 19.57 CLP -15.91

PLANETOCENTRIC CONIC

C3 28.901 VHL 5.376 DLA -23.98 RAL 151.19 RAD 6568.2 VEL 12.259 PTH 2.21 VMP 7.313 DPA 33.47 RAP 174.47 ECC 1.4756
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 22 2 1438.27 3.75 356.45 19.85 118.09 11 46 0 838.3 7.48 349.76
 90.00 15 56 3 5814.72 26.47 277.63 28.01 100.45 17 32 58 5214.7 27.64 269.16
 100.00 12 23 38 1239.40 1.80 340.76 18.77 119.84 12 44 17 639.4 5.76 334.21
 100.00 17 37 8 5488.81 28.67 254.08 28.43 98.83 19 8 36 4888.8 29.60 245.40
 110.00 12 52 51 1147.78 -2.64 331.05 16.00 124.09 13 11 59 547.8 1.86 324.85
 110.00 19 24 24 5153.21 33.86 229.32 29.16 94.99 20 50 17 4553.2 34.18 220.09

DIFFERENTIAL CORRECTIONS

TDE 1.4535 TRA-2.2534 TC3 .0418 BAU .1428
 ROE .4475 RRA -.6406 RC3 .3673 FAU .02861
 FDE-2.8157 FRA 2.6907 FC3 -.8570 BSP 10202
 BDE 1.5208 BRA 2.3427 BC3 .3696 FSP -1096

MID-COURSE EXECUTION ACCURACY

SGT 3051.4 SGR 970.4 SG3 371.3
 RRT .9188 RRF -.9683 RTF -.9615
 SGB 3202.0 R23 -.1820 R13 -.9683
 SGI 3180.8 SG2 367.5 TMA 16.52

ORBIT DETERMINATION ACCURACY

ST 1738.2 SR 527.1 SS 1859.4
 CRT .9993 CRS .9935 CST .9894
 LSA 2592.7 MSA 185.9 SSA 10.1
 EL1 1816.3 EL2 19.3 ALF 16.86

LAUNCH DATE APR 19 1967

FLIGHT TIME 148.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 370.497

RL 150.24 LAL -.00 LOL 208.26 VL 26.953 GAL 7.58 AZL 96.91 MCA 151.39 SMA 127.58 ECC .21997 INC 6.9069 VI 29.657
 RP 108.69 LAP -3.30 LOP 359.82 VP 37.441 GAP -9.47 AZP 83.93 TAL 150.75 TAP 302.13 RCA 99.52 APO 155.65 V2 34.865
 RC 47.255 GL -36.21 GP 28.44 ZAL 55.57 ZAP 33.11 ETS 304.13 ZAE 138.51 ETE 69.57 ZAC 94.53 ETC 19.16 CLP -17.70

PLANETOCENTRIC CONIC

C3 29.575 VHL 5.438 DLA -26.54 RAL 149.47 RAD 6568.2 VEL 12.286 PTH 2.21 VMP 7.139 DPA 36.05 RAP 177.75 ECC 1.4867
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 4 21 1276.04 8.87 347.28 20.61 117.00 12 25 37 676.0 12.43 340.41
 90.00 15 0 0 700.44 23.76 311.73 26.68 105.87 15 11 40 100.4 25.71 303.60
 100.00 12 55 12 1111.80 6.09 333.72 19.11 119.32 13 13 44 511.8 9.95 327.06
 100.00 16 51 50 5627.96 26.81 264.00 27.57 103.73 18 25 38 5028.0 28.44 255.57
 110.00 13 11 38 1060.25 .71 326.48 15.78 124.18 13 29 18 460.3 5.19 320.26
 110.00 18 51 54 5252.27 33.01 236.93 29.04 99.41 20 19 26 4652.3 33.96 227.82

DIFFERENTIAL CORRECTIONS

TDE 1.5609 TRA-2.2235 TC3 .0556 BAU .1542
 ROE .6119 RRA -.7172 RC3 .3859 FAU .02830
 FDE-2.8806 FRA 2.7222 FC3 -.8283 BSP 10471
 BDE 1.6766 BRA 2.3363 BC3 .3899 FSP -1155

MID-COURSE EXECUTION ACCURACY

SGT 3092.7 SGR 1142.4 SG3 389.3
 RRT .9332 RRF -.9796 RTF -.9645
 SGB 3297.0 R23 -.1811 R13 -.9729
 SGI 3274.1 SG2 387.8 TMA 19.30

ORBIT DETERMINATION ACCURACY

ST 1822.5 SR 692.8 SS 1963.9
 CRT .9973 CRS .9977 CST .9904
 LSA 2761.1 MSA 185.5 SSA 8.9
 EL1 1949.2 EL2 47.4 ALF 20.78

LAUNCH DATE APR 19 1967

FLIGHT TIME 150.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 377.161

RL 150.24 LAL -.00 LOL 208.26 VL 27.018 GAL 7.36 AZL 97.59 HCA 154.55 SMA 128.02 ECC .21462 INC 7.5871 V1 29.657
 RP 108.66 LAP -3.25 LOP 3.01 VP 37.498 GAP -8.86 AZP 83.14 TAL 150.71 TAP 305.25 RCA 100.54 APO 155.49 V2 34.875
 RC 48.458 GL -39.47 GP 32.66 ZAL 57.59 ZAP 37.47 ETS 303.48 ZAE 134.31 ETE 68.49 ZAC 92.06 ETC 18.58 CLP -19.50

PLANETOCENTRIC CONIC

C3 30.976 VHL 5.566 DLA -29.31 RAL 147.46 RAD 6568.2 VEL 12.343 PTH 2.23 VMP 7.044 DPA 39.19 RAP 181.60 ECC 1.5098
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.12 12 19 10 1209.87 17.44 346.64 23.40 113.93 12 39 20 609.9 20.53 339.25
 97.88 14 29 9 789.82 17.46 315.81 23.41 113.92 14 42 19 189.8 20.54 308.42
 100.00 13 55 48 896.75 13.05 321.55 21.23 117.13 14 10 45 296.7 16.58 314.54
 100.00 15 35 12 5866.22 21.96 280.01 25.38 110.81 17 12 59 5266.2 24.59 272.21
 110.00 13 37 4 955.73 4.70 321.02 16.25 123.90 13 53 0 355.7 9.12 314.72
 110.00 18 10 25 5380.00 31.19 246.44 28.68 104.76 19 40 5 4780.0 32.90 237.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.7077 TRA-2.1914 TC3 .0670 BAU .1668 SGT 3128.8 SGR 1352.2 SG3 400.5 ST 1921.7 SR 898.8 SS 2066.2
 RDE .8276 RRA -.8068 RC3 .3971 FAU .02726 RRT .9443 RRF -.9869 RTF -.9677 CRT .9957 CRS .9993 CST .9915
 FDE-3.1641 FRA 2.6997 FC3 -.7620 BSP 10911 SGB 3408.5 R23 -.1729 R13 -.9777 LSA 2955.7 MSA 184.4 SSA 7.7
 BDE 1.8977 BRA 2.3352 BC3 .4027 FSP -1203 SGI 3383.5 SG2 411.7 TMA 22.55 EL1 2120.2 EL2 75.8 ALF 25.00

LAUNCH DATE APR 19 1967

FLIGHT TIME 152.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 383.807

RL 150.24 LAL -.00 LOL 208.26 VL 27.078 GAL 7.16 AZL 98.45 HCA 157.71 SMA 128.42 ECC .20970 INC 8.4463 V1 29.657
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.551 GAP -8.27 AZP 82.18 TAL 150.68 TAP 308.39 RCA 101.49 APO 155.35 V2 34.886
 RC 49.776 GL -43.03 GP 37.70 ZAL 59.93 ZAP 42.47 ETS 302.52 ZAE 129.42 ETE 67.78 ZAC 89.37 ETC 17.69 CLP -21.22

PLANETOCENTRIC CONIC

C3 33.439 VHL 5.783 DLA -32.28 RAL 145.09 RAD 6568.3 VEL 12.442 PTH 2.25 VMP 7.063 DPA 42.94 RAP 186.35 ECC 1.5503
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.83 11 9 11 1420.91 18.50 2.98 23.08 116.93 11 32 52 820.9 21.96 355.71
 106.17 15 20 12 617.32 18.51 303.42 23.09 116.92 15 30 29 17.3 21.97 296.15
 73.83 11 9 11 1420.91 18.50 2.98 23.08 116.93 11 32 52 820.9 21.96 355.71
 106.17 15 20 12 617.32 18.51 303.42 23.09 116.92 15 30 29 17.3 21.97 296.15
 110.00 14 18 12 809.23 10.19 313.23 18.16 122.81 14 31 41 209.2 14.44 306.71
 110.00 17 10 21 5565.04 27.25 259.39 27.35 111.48 18 43 6 4965.0 29.92 251.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.9042 TRA-2.1684 TC3 .0638 BAU .1779 SGT 3165.8 SGR 1600.0 SG3 400.7 ST 2034.9 SR 1149.9 SS 2154.2
 RDE 1.1148 RRA -.9086 RC3 .3927 FAU .02483 RRT .9522 RRF -.9913 RTF -.9706 CRT .9947 CRS .9998 CST .9926
 FDE-3.4407 FRA 2.6069 FC3 -.6429 BSP 11355 SGB 3547.2 R23 -.1601 R13 -.9822 LSA 3173.3 MSA 184.3 SSA 6.6
 BDE 2.2065 BRA 2.3511 BC3 .3978 FSP -1214 SGI 3519.8 SG2 439.7 TMA 26.14 EL1 2335.0 EL2 103.1 ALF 29.40

LAUNCH DATE APR 19 1967

FLIGHT TIME 154.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 390.430

RL 150.24 LAL -.00 LOL 208.26 VL 27.133 GAL 6.98 AZL 99.57 HCA 160.86 SMA 128.79 ECC .20521 INC 9.5733 V1 29.657
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.600 GAP -7.70 AZP 80.95 TAL 150.66 TAP 311.52 RCA 102.36 APO 155.22 V2 34.897
 RC 51.201 GL -46.93 GP 43.70 ZAL 62.63 ZAP 48.17 ETS 301.21 ZAE 123.70 ETE 67.14 ZAC 86.41 ETC 16.27 CLP -22.73

PLANETOCENTRIC CONIC

C3 37.596 VHL 6.132 DLA -35.44 RAL 142.23 RAD 6568.5 VEL 12.608 PTH 2.29 VMP 7.254 DPA 47.28 RAP 192.50 ECC 1.6187
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 67.74 10 20 31 1564.64 19.14 14.52 23.02 120.41 10 46 35 964.6 23.03 7.45
 112.26 15 46 6 5820.79 19.16 275.13 23.03 120.40 17 23 7 5220.8 23.05 268.05
 67.74 10 20 31 1564.64 19.14 14.52 23.02 120.41 10 46 35 964.6 23.03 7.45
 112.26 15 46 6 5820.79 19.16 275.13 23.03 120.40 17 23 7 5220.8 23.05 268.05
 67.74 10 20 31 1564.64 19.14 14.52 23.02 120.41 10 46 35 964.6 23.03 7.45
 112.26 15 46 6 5820.79 19.16 275.13 23.03 120.40 17 23 7 5220.8 23.05 268.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.1867 TRA-2.1591 TC3 .0477 BAU .1847 SGT 3211.1 SGR 1878.3 SG3 385.0 ST 2174.2 SR 1447.5 SS 2216.7
 RDE 1.5032 RRA -1.0151 RC3 .3643 FAU .02066 RRT .9582 RRF -.9940 RTF -.9735 CRT .9945 CRS 1.0000 CST .9938
 FDE-3.6788 FRA 2.4189 FC3 -.4758 BSP 11877 SGB 3720.1 R23 -.1430 R13 -.9864 LSA 3420.9 MSA 184.0 SSA 5.6
 BDE 2.6535 BRA 2.3858 BC3 .3675 FSP -1173 SGI 3690.6 SG2 467.5 TMA 29.80 EL1 2608.9 EL2 126.8 ALF 33.60

LAUNCH DATE APR 19 1967

FLIGHT TIME 156.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 397.026

RL 150.24 LAL -.00 LOL 208.26 VL 27.183 GAL 6.82 AZL 101.13 HCA 164.01 SMA 129.13 ECC .20113 INC 11.1265 V1 29.657
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.647 GAP -7.14 AZP 79.29 TAL 150.64 TAP 314.66 RCA 103.16 APO 155.10 V2 34.908
 RC 52.722 GL -51.15 GP 50.74 ZAL 65.74 ZAP 54.59 ETS 299.32 ZAE 116.99 ETE 66.08 ZAC 83.12 ETC 13.84 CLP -23.71

PLANETOCENTRIC CONIC

C3 44.729 VHL 6.688 DLA -38.74 RAL 138.74 RAD 6568.7 VEL 12.888 PTH 2.35 VMP 7.722 DPA 52.00 RAP 200.92 ECC 1.7361
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.37 9 38 35 1690.75 19.06 24.70 23.22 124.39 10 6 46 1090.7 23.44 17.92
 117.63 16 0 10 5782.35 19.08 271.96 23.22 124.38 17 36 32 5182.4 23.45 265.18
 62.37 9 38 35 1690.75 19.06 24.70 23.22 124.39 10 6 46 1090.7 23.44 17.92
 117.63 16 0 10 5782.35 19.08 271.96 23.22 124.38 17 36 32 5182.4 23.45 265.18
 62.37 9 38 35 1690.75 19.06 24.70 23.22 124.39 10 6 46 1090.7 23.44 17.92
 117.63 16 0 10 5782.35 19.08 271.96 23.22 124.38 17 36 32 5182.4 23.45 265.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.6273 TRA-2.1779 TC3 .0187 BAU .1815 SGT 3284.7 SGR 2160.0 SG3 349.2 ST 2362.4 SR 1777.6 SS 2238.7
 RDE 2.0309 RRA -1.1055 RC3 .3029 FAU .01453 RRT .9628 RRF -.9954 RTF -.9767 CRT .9948 CRS 1.0000 CST .9951
 FDE-3.8311 FRA 2.1203 FC3 -.2813 BSP 12533 SGB 3931.3 R23 -.1235 R13 -.9901 LSA 3704.0 MSA 182.6 SSA 4.6
 BDE 3.3207 BRA 2.4425 BC3 .3034 FSP -1071 SGI 3900.4 SG2 491.6 TMA 32.93 EL1 2952.9 EL2 145.5 ALF 36.92

LAUNCH DATE APR 19 1967

FLIGHT TIME 158.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 403.586

RL 150.24 LAL -.00 LOL 208.26 VL 27.228 GAL 6.67 AZL 103.42 HCA 167.15 SMA 129.44 ECC .19747 INC13.4174 V1 29.657
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.690 GAP -6.60 AZP 76.91 TAL 150.62 TAP 317.77 RCA 103.88 APO 155.00 V2 34.920
 RC 54.330 GL -55.63 GP 58.83 ZAL 69.32 ZAP 61.63 ETS 296.01 ZAE 109.19 ETE 63.42 ZAC 79.41 ETC 9.27 CLP -23.34

PLANETOCENTRIC CONIC

C3 57.795 VHL 7.602 OLA -42.03 RAL 134.39 RAD 6569.1 VEL 13.385 PTH 2.45 VHP 8.671 DPA 56.52 RAP 212.95 ECC 1.9512
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.54 8 59 23 1815.75 17.77 34.33 23.54 128.74 9 29 39 1215.8 22.65 27.99
 122.46 16 4 38 5784.78 17.78 271.15 23.55 128.73 17 41 3 5184.8 22.67 264.82
 57.54 8 59 23 1815.75 17.77 34.33 23.54 128.74 9 29 39 1215.8 22.65 27.99
 122.46 16 4 38 5784.78 17.78 271.15 23.55 128.73 17 41 3 5184.8 22.67 264.82
 57.54 8 59 23 1815.75 17.77 34.33 23.54 128.74 9 29 39 1215.8 22.65 27.99
 122.46 16 4 38 5784.78 17.78 271.15 23.55 128.73 17 41 3 5184.8 22.67 264.82

DIFFERENTIAL CORRECTIONS

TOE 3.3974 TRA-2.2620 TC3 -.0238 BAU .1580
 RDE 2.7211 RRA-1.1258 RC3 .2030 FAU .00652
 FDE-3.8448 FRA 1.7249 FC3 -.0976 BSP 13287
 BDE 4.3528 BRA 2.5266 BC3 .2044 FSP -900

MID-COURSE EXECUTION ACCURACY

SGT 3438.7 SGR 2367.7 SG3 292.8
 RRT .9656 RRF -.9956 RTF -.9810
 SGB 4174.9 R23 -.1033 R13 -.9931
 SGI 4143.5 SG2 511.1 THA 34.21

ORBIT DETERMINATION ACCURACY

ST 2651.4 SR 2079.3 SS 2206.2
 CRT .9953 CRS .9999 CST .9965
 LSA 4023.5 MSA 180.6 SSA 3.7
 EL1 3365.7 EL2 159.0 ALF 38.07

LAUNCH DATE APR 19 1967

FLIGHT TIME 160.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 410.091

RL 150.24 LAL -.00 LOL 208.26 VL 27.268 GAL 6.55 AZL 107.15 HCA 170.25 SMA 129.72 ECC .19424 INC17.1464 V1 29.657
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.731 GAP -6.09 AZP 73.09 TAL 150.58 TAP 320.83 RCA 104.52 APO 154.91 V2 34.932
 RC 56.016 GL -60.09 GP 67.75 ZAL 73.40 ZAP 69.01 ETS 287.83 ZAE 100.17 ETE 55.49 ZAC 75.11 ETC 358.78 CLP -18.88

PLANETOCENTRIC CONIC

C3 84.902 VHL 9.214 OLA -44.89 RAL 128.93 RAD 6569.7 VEL 14.361 PTH 2.61 VHP 10.552 DPA 59.59 RAP 230.09 ECC 2.3973
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 53.59 8 21 46 1948.86 14.61 43.40 23.74 132.94 8 54 15 1348.9 19.97 37.60
 126.41 15 58 42 5833.16 14.63 272.64 23.76 132.93 17 35 56 5233.2 19.99 266.83
 53.59 8 21 46 1948.86 14.61 43.40 23.74 132.94 8 54 15 1348.9 19.97 37.60
 126.41 15 58 42 5833.16 14.63 272.64 23.76 132.93 17 35 56 5233.2 19.99 266.83
 53.59 8 21 46 1948.86 14.61 43.40 23.74 132.94 8 54 15 1348.9 19.97 37.60
 126.41 15 58 42 5833.16 14.63 272.64 23.76 132.93 17 35 56 5233.2 19.99 266.83

DIFFERENTIAL CORRECTIONS

TOE 5.0106 TRA-2.5038 TC3 -.0853 BAU .1319
 RDE 3.3844 RRA -.8832 RC3 .0788 FAU-.00293
 FDE-3.7018 FRA 1.2903 FC3 .0299 BSP 14092
 BDE 6.0465 BRA 2.6550 BC3 .1168 FSP -681

MID-COURSE EXECUTION ACCURACY

SGT 3816.0 SGR 2247.4 SG3 221.7
 RRT .9605 RRF -.9909 RTF -.9875
 SGB 4428.6 R23 -.0816 R13 -.9958
 SGI 4395.2 SG2 542.7 THA 30.00

ORBIT DETERMINATION ACCURACY

ST 3184.7 SR 2117.3 SS 2121.2
 CRT .9951 CRS .9993 CST .9981
 LSA 4369.3 MSA 183.4 SSA 2.6
 EL1 3820.3 EL2 173.6 ALF 33.57

LAUNCH DATE APR 19 1967

FLIGHT TIME 162.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 416.486

RL 150.24 LAL -.00 LOL 208.26 VL 27.305 GAL 6.46 AZL 114.25 HCA 173.28 SMA 129.97 ECC .19153 INC24.2519 V1 29.657
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.768 GAP -5.60 AZP 65.90 TAL 150.49 TAP 323.77 RCA 105.07 APO 154.86 V2 34.945
 RC 57.772 GL -63.49 GP 76.25 ZAL 77.98 ZAP 76.26 ETS 257.21 ZAE 89.49 ETE 24.67 ZAC 69.55 ETC 324.43 CLP 2.04

PLANETOCENTRIC CONIC

C3 155.085 VHL 12.453 OLA -46.21 RAL 122.35 RAD 6570.7 VEL 16.626 PTH 2.89 VHP 14.573 DPA 58.84 RAP 251.90 ECC 3.5523
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.82 7 49 0 2087.69 9.09 50.81 23.52 135.51 8 23 48 1487.7 14.74 45.44
 128.18 15 39 1 650.24 9.10 299.01 23.53 135.51 15 49 51 50.2 14.75 293.63
 51.82 7 49 0 2087.69 9.09 50.81 23.52 135.51 8 23 48 1487.7 14.74 45.44
 128.18 15 39 1 650.24 9.10 299.01 23.53 135.51 15 49 51 50.2 14.75 293.63
 51.82 7 49 0 2087.69 9.09 50.81 23.52 135.51 8 23 48 1487.7 14.74 45.44
 128.18 15 39 1 650.24 9.10 299.01 23.53 135.51 15 49 51 50.2 14.75 293.63

DIFFERENTIAL CORRECTIONS

TOE 8.9756 TRA-2.8382 TC3 -.1886 BAU .3996
 RDE 1.5392 RRA .7105 RC3 .0397 FAU-.01421
 FDE-3.5017 FRA .9300 FC3 .0793 BSP 14773
 BDE 9.1066 BRA 2.9258 BC3 .1927 FSP -461

MID-COURSE EXECUTION ACCURACY

SGT 4564.5 SGR 857.0 SG3 150.1
 RRT .5079 RRF -.5571 RTF -.9980
 SGB 4644.2 R23 -.0427 R13 -.9988
 SGI 4585.7 SG2 734.8 THA 5.59

ORBIT DETERMINATION ACCURACY

ST 4168.2 SR 722.2 SS 2041.9
 CRT .9448 CRS .9517 CST .9998
 LSA 4691.5 MSA 234.6 SSA 1.5
 EL1 4223.8 EL2 233.5 ALF 9.33

LAUNCH DATE APR 19 1967

FLIGHT TIME 164.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 422.549

RL 150.24 LAL -.00 LOL 208.26 VL 27.337 GAL 6.44 AZL 131.96 HCA 176.05 SMA 130.19 ECC .18971 INC41.9592 V1 29.657
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.803 GAP -5.20 AZP 48.11 TAL 150.21 TAP 326.25 RCA 105.49 APO 154.89 V2 34.957
 RC 59.590 GL -61.65 GP 74.20 ZAL 82.80 ZAP 82.66 ETS 195.47 ZAE 74.84 ETE 323.26 ZAC 59.99 ETC 256.27 CLP 62.00

PLANETOCENTRIC CONIC

C3 425.913 VHL 20.638 OLA -42.11 RAL 116.17 RAD 6572.2 VEL 23.393 PTH 3.29 VHP 25.023 DPA 49.90 RAP 273.77 ECC 8.0095
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.43 7 46 16 2164.56 2.32 51.25 23.59 132.05 8 22 21 1564.6 7.66 45.68
 122.57 14 52 27 843.00 2.34 309.95 23.61 132.05 15 6 30 243.0 7.67 304.38
 57.43 7 46 16 2164.56 2.32 51.25 23.59 132.05 8 22 21 1564.6 7.66 45.68
 122.57 14 52 27 843.00 2.34 309.95 23.61 132.05 15 6 30 243.0 7.67 304.38
 57.43 7 46 16 2164.56 2.32 51.25 23.59 132.05 8 22 21 1564.6 7.66 45.68
 122.57 14 52 27 843.00 2.34 309.95 23.61 132.05 15 6 30 243.0 7.67 304.38

DIFFERENTIAL CORRECTIONS

TOE10.2893 TRA -.5513 TC3 -.1617 BAU 1.7715
 RO-11.3231 RRA 3.8958 RC3 .2658 FAU-.03686
 FDE-3.6716 FRA .8554 FC3 .0749 BSP 15157
 BDE15.2997 BRA 3.9346 BC3 .3111 FSP -305

MID-COURSE EXECUTION ACCURACY

SGT 2940.8 SGR 3634.7 SG3 96.1
 RRT -.9368 RRF .9920 RTF -.9735
 SGB 4675.4 R23 -.0130 R13 .9999
 SGI 4604.3 SG2 812.4 THA 128.58

ORBIT DETERMINATION ACCURACY

ST 2857.3 SR 3174.0 SS 2213.7
 CRT -.9932 CRS -.9990 CST .9974
 LSA 4803.9 MSA 248.0 SSA .5
 EL1 4263.5 EL2 247.5 ALF 131.97

LAUNCH DATE APR 19 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 433.050

RL 150.24 LAL -1.00 LOL 208.26 VL 27.366 GAL 5.65 AZL 5.74 MCA 182.53 SMA 130.39 ECC .18070 INCR4.259R V1 29.657
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.836 GAP -3.73 AZP 174.25 TAL 152.62 TAP 335.15 RCA 106.83 APO 153.96 V2 34.970
 RC 61.464 GL 45.08 GP -49.00 ZAL 86.68 ZAP 87.44 ETS 172.81 ZAE 64.62 ETE 46.27 ZAC 68.29 ETC 116.31 CLP 86.09

PLANETOCENTRIC CONIC

C31464.294 VHL 38.266 DLA 62.29 RAL 145.73 RAD 6573.2 VEL 39.819 PTH 3.56 VHP 49.935 DPA -71.15 RAP 315.02 ECC25.09R6
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 31.88 20 21 54 5065.67 1.25 242.51 56.40 27.72 21 46 20 4465.7 -5.83 239.20
 148.12 6 12 38 3373.56 1.26 102.46 56.38 27.72 7 8 52 2773.6 -5.82 99.15
 31.88 20 21 54 5065.67 1.25 242.51 56.40 27.72 21 46 20 4465.7 -5.83 239.20
 148.12 6 12 38 3373.56 1.26 102.46 56.38 27.72 7 8 52 2773.6 -5.82 99.15
 31.88 20 21 54 5065.67 1.25 242.51 56.40 27.72 21 46 20 4465.7 -5.83 239.20
 148.12 6 12 38 3373.56 1.26 102.46 56.38 27.72 7 8 52 2773.6 -5.82 99.15

DIFFERENTIAL CORRECTIONS

TDE-7.4169 TRA-2.7877 TC3 -.1557 BAU 5.9911
 RDE-8.0707 RRA-7.7367 RC3 -.2635 FAU-.11166
 FDE 2.1456 FRA 1.9125 FC3 .0660 BSP 12474
 BDE11.0975 BRA 8.2236 BC3 .3060 FSP -245

MID-COURSE EXECUTION ACCURACY

SGT 1877.9 SGR 3425.4 SG3 74.2
 RRT .9355 RRF -.9997 RTF -.9432
 SGB 3906.4 R23 -.0579 R13 -.9983
 SG1 3861.8 SG2 588.6 TMA 62.15

ORBIT DETERMINATION ACCURACY

ST 1172.4 SR 1422.2 SS 1600.3
 CRT .9486 CRS .9995 CST .9582
 LSA 2420.8 MSA 312.3 SSA .8
 EL1 1820.2 EL2 289.9 ALF 50.79

LAUNCH DATE APR 19 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 437.750

RL 150.24 LAL -1.00 LOL 208.26 VL 27.391 GAL 5.89 AZL 55.28 MCA 184.19 SMA 130.57 ECC .18169 INC34.7222 V1 29.657
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.866 GAP -3.67 AZP 124.65 TAL 151.47 TAP 335.67 RCA 106.85 APO 154.29 V2 34.983
 RC 63.388 GL 63.83 GP -76.89 ZAL 82.24 ZAP 84.62 ETS 141.10 ZAE 89.50 ETE 21.96 ZAC 91.39 ETC 86.43 CLP 65.58

PLANETOCENTRIC CONIC

C3 298.990 VHL 17.291 DLA 70.93 RAL 193.53 RAD 6571.7 VEL 20.501 PTH 3.17 VHP 23.384 DPA -78.65 RAP 98.07 ECC 5.9206
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 21.79 23 9 51 4989.75 -5.70 245.90 101.57 19.17 24 33 1 4389.7 -13.24 243.62
 158.21 9 46 3 3230.89 -5.69 94.72 101.55 19.17 10 39 54 2630.9 -13.24 92.45
 21.79 23 9 51 4989.75 -5.70 245.90 101.57 19.17 24 33 1 4389.7 -13.24 243.62
 158.21 9 46 3 3230.89 -5.69 94.72 101.55 19.17 10 39 54 2630.9 -13.24 92.45
 21.79 23 9 51 4989.75 -5.70 245.90 101.57 19.17 24 33 1 4389.7 -13.24 243.62
 158.21 9 46 3 3230.89 -5.69 94.72 101.55 19.17 10 39 54 2630.9 -13.24 92.45

DIFFERENTIAL CORRECTIONS

TDE 1.3342 TRA-3.7598 TC3 -.2363 BAU 1.2079
 RDE 3.0865 RRA-2.7834 RC3 -.1883 FAU-.02305
 FDE -1.7039 FRA 1.0933 FC3 .0667 BSP 15577
 BDE 3.3625 BRA 4.6779 BC3 .3022 FSP -320

MID-COURSE EXECUTION ACCURACY

SGT 3924.3 SGR 3071.9 SG3 99.9
 RRT .9743 RRF -.9905 RTF -.9959
 SGB 4983.7 R23 -.0039 R13 -.9999
 SG1 4953.5 SG2 547.8 TMA 37.88

ORBIT DETERMINATION ACCURACY

ST 1226.5 SR 1327.9 SS 820.9
 CRT .8726 CRS .9644 CST .9707
 LSA 1932.4 MSA 455.5 SSA .8
 EL1 1749.5 EL2 454.8 ALF 47.60

LAUNCH DATE APR 19 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 443.815

RL 150.24 LAL -1.00 LOL 208.26 VL 27.412 GAL 5.91 AZL 71.26 MCA 187.02 SMA 130.72 ECC .18071 INC18.7431 V1 29.657
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.894 GAP -3.29 AZP 108.61 TAL 151.18 TAP 338.20 RCA 107.10 APO 154.35 V2 34.996
 RC 65.357 GL 62.86 GP -81.84 ZAL 76.24 ZAP 81.92 ETS 69.96 ZAE 101.69 ETE 314.16 ZAC 99.92 ETC 20.99 CLP -8.42

PLANETOCENTRIC CONIC

C3 96.940 VHL 9.846 DLA 65.23 RAL 199.94 RAD 6569.9 VEL 14.774 PTH 2.67 VHP 13.793 DPA -66.98 RAP 118.05 ECC 2.5954
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 28.42 23 49 59 4779.60 -17.16 236.90 101.75 26.01 25 9 38 4179.6 -24.31 233.47
 151.58 9 57 1 3060.94 -17.16 92.87 101.74 26.01 10 48 2 2460.9 -24.31 89.45
 28.42 23 49 59 4779.60 -17.16 236.90 101.75 26.01 25 9 38 4179.6 -24.31 233.47
 151.58 9 57 1 3060.94 -17.16 92.87 101.74 26.01 10 48 2 2460.9 -24.31 89.45
 28.42 23 49 59 4779.60 -17.16 236.90 101.75 26.01 25 9 38 4179.6 -24.31 233.47
 151.58 9 57 1 3060.94 -17.16 92.87 101.74 26.01 10 48 2 2460.9 -24.31 89.45

DIFFERENTIAL CORRECTIONS

TDE 2.8727 TRA-2.7935 TC3 -.1067 BAU .1412
 RDE -.6851 RRA 2.1088 RC3 -.0218 FAU-.00042
 FDE -1.0764 FRA 1.2645 FC3 .0038 BSP 16325
 BDE 2.9532 BRA 3.5002 BC3 .1089 FSP -517

MID-COURSE EXECUTION ACCURACY

SGT 4230.0 SGR 2956.3 SG3 160.0
 RRT -.9613 RRF .9825 RTF -.9954
 SGB 5160.7 R23 -.0027 R13 .9997
 SG1 5116.6 SG2 672.9 TMA 145.42

ORBIT DETERMINATION ACCURACY

ST 2037.0 SR 964.9 SS 938.8
 CRT -.8594 CRS -.9162 CST .9923
 LSA 2398.7 MSA 456.3 SSA 1.6
 EL1 2207.6 EL2 455.2 ALF 156.81

LAUNCH DATE APR 19 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 450.135

RL 150.24 LAL -1.00 LOL 208.26 VL 27.431 GAL 5.89 AZL 77.88 MCA 190.07 SMA 130.86 ECC .17957 INC12.1238 V1 29.657
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.920 GAP -2.84 AZP 101.94 TAL 151.04 TAP 341.11 RCA 107.36 APO 154.35 V2 35.009
 RC 67.365 GL 56.58 GP -76.33 ZAL 70.12 ZAP 80.37 ETS 42.89 ZAE 109.47 ETE 289.97 ZAC 104.35 ETC 359.87 CLP -44.93

PLANETOCENTRIC CONIC

C3 47.148 VHL 6.866 DLA 58.59 RAL 194.40 RAD 6568.8 VEL 12.981 PTH 2.37 VHP 9.829 DPA -59.38 RAP 124.72 ECC 1.7759
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 36.29 23 47 8 4575.70 -25.73 224.02 87.31 35.34 25 3 23 3975.7 -32.16 218.98
 143.71 9 15 44 2923.85 -25.72 89.34 87.29 35.34 10 4 27 2323.8 -32.14 84.31
 36.29 23 47 8 4575.70 -25.73 224.02 87.31 35.34 25 3 23 3975.7 -32.16 218.98
 143.71 9 15 44 2923.85 -25.72 89.34 87.29 35.34 10 4 27 2323.8 -32.14 84.31
 36.29 23 47 8 4575.70 -25.73 224.02 87.31 35.34 25 3 23 3975.7 -32.16 218.98
 143.71 9 15 44 2923.85 -25.72 89.34 87.29 35.34 10 4 27 2323.8 -32.14 84.31

DIFFERENTIAL CORRECTIONS

TDE 1.4155 TRA-1.3846 TC3 -.0032 BAU .2189
 RDE -1.0290 RRA 2.7597 RC3 -.3473 FAU .01330
 FDE -.9081 FRA 1.7277 FC3 -.2442 BSP 16390
 BDE 1.7500 BRA 3.0875 BC3 .3473 FSP -806

MID-COURSE EXECUTION ACCURACY

SGT 2512.0 SGR 4526.8 SG3 249.5
 RRT -.9505 RRF .9971 RTF -.9686
 SGB 5177.1 R23 -.0052 R13 .9994
 SG1 5131.1 SG2 688.3 TMA 118.37

ORBIT DETERMINATION ACCURACY

ST 1355.5 SR 1579.5 SS 954.4
 CRT -.8855 CRS -.9864 CST .9498
 LSA 2236.1 MSA 492.9 SSA 2.5
 EL1 2022.5 EL2 491.9 ALF 130.08

LAUNCH DATE APR 19 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 456.520

RL 150.24 LAL -0.00 LOL 208.26 VL 27.447 GAL 5.87 AZL 81.42 MCA 193.19 SMA 130.97 ECC .17858 INC 8.5837 V1 29.657
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.943 GAP -2.39 AZP 98.36 TAL 150.94 TAP 344.13 RCA 107.58 APO 154.35 V2 35.023
 RC 69.409 GL 49.09 GP -70.76 ZAL 64.43 ZAP 80.03 ETS 30.76 ZAE 115.35 ETE 280.26 ZAC 107.51 ETC 353.52 CLP -58.32

PLANETOCENTRIC CONIC

C3 29.077 VHL 5.392 DLA 51.69 RAL 188.36 RAD 6568.2 VEL 12.266 PTH 2.21 VHP 7.756 DPA -53.44 RAP 128.25 ECC 1.4785
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 44.77 23 46 54 4403.53 -29.50 209.31 71.82 45.42 25 0 17 3803.5 -34.93 202.79
 135.23 8 27 44 2852.49 -29.49 86.20 71.81 45.41 9 15 17 2252.5 -34.92 79.67
 44.77 23 46 54 4403.53 -29.50 209.31 71.82 45.42 25 0 17 3803.5 -34.93 202.79
 135.23 8 27 44 2852.49 -29.49 86.20 71.81 45.41 9 15 17 2252.5 -34.92 79.67
 44.77 23 46 54 4403.53 -29.50 209.31 71.82 45.42 25 0 17 3803.5 -34.93 202.79
 135.23 8 27 44 2852.49 -29.49 86.20 71.81 45.41 9 15 17 2252.5 -34.92 79.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8095 TRA -.7978 TC3 -.0252 BAU .3144 SGT 1615.7 SGR 4869.8 SG3 360.2 ST 952.9 SR 1638.6 SS 1006.3
 RDE -.7758 RRA 2.7537 RC3 -.8083 FAU .02603 RRT -.9074 RRF .9985 RTF -.9211 CRT -.8261 CRS -.9923 CST .8893
 FDE -.8563 FRA 2.3228 FC3 -.7751 BSP 16266 SGB 5130.8 R23 -.0030 R13 .9991 LSA 2091.7 MSA 480.0 SSA 3.5
 BDE 1.1212 BRA 2.8670 BC3 .8087 FSP -1164 SG1 5089.5 SG2 649.8 TMA 107.04 EL1 1833.8 EL2 479.9 ALF 117.72

LAUNCH DATE APR 19 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 462.923

RL 150.24 LAL -0.00 LOL 208.26 VL 27.460 GAL 5.86 AZL 83.62 MCA 196.35 SMA 131.06 ECC .17780 INC 6.3843 V1 29.657
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.965 GAP -1.93 AZP 96.13 TAL 150.83 TAP 347.18 RCA 107.76 APO 154.36 V2 35.036
 RC 71.485 GL 41.63 GP -65.95 ZAL 59.46 ZAP 80.82 ETS 22.37 ZAE 120.08 ETE 273.61 ZAC 110.22 ETC 350.60 CLP -66.95

PLANETOCENTRIC CONIC

C3 20.903 VHL 4.572 DLA 44.90 RAL 183.41 RAD 6567.8 VEL 11.928 PTH 2.12 VHP 6.507 DPA -48.37 RAP 130.16 ECC 1.3440
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 53.57 0 1 8 4248.60 -29.59 194.24 58.69 54.54 1 11 57 3648.6 -34.00 186.80
 126.43 7 37 55 2845.29 -29.58 85.59 58.68 54.53 8 25 20 2245.3 -33.99 78.15
 53.57 0 1 8 4248.60 -29.59 194.24 58.69 54.54 1 11 57 3648.6 -34.00 186.80
 126.43 7 37 55 2845.29 -29.58 85.59 58.68 54.53 8 25 20 2245.3 -33.99 78.15
 53.57 0 1 8 4248.60 -29.59 194.24 58.69 54.54 1 11 57 3648.6 -34.00 186.80
 126.43 7 37 55 2845.29 -29.58 85.59 58.68 54.53 8 25 20 2245.3 -33.99 78.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .5234 TRA -.4160 TC3 -.1525 BAU .3574 SGT 995.7 SGR 4957.3 SG3 484.0 ST 692.1 SR 1629.0 SS 1095.0
 RDE -.6271 RRA 2.6875 RC3 -1.2699 FAU .03848 RRT -.7807 RRF .9986 RTF -.7943 CRT -.7365 CRS -.9935 CST .8089
 FDE -.9004 FRA 2.9898 FC3 -1.5937 BSP 15974 SGB 5056.3 R23 .0041 R13 .9989 LSA 2032.9 MSA 445.9 SSA 4.5
 BDE .8168 BRA 2.7195 BC3 1.2790 FSP -1560 SG1 5018.8 SG2 614.7 TMA 99.05 EL1 1713.0 EL2 445.2 ALF 108.68

LAUNCH DATE APR 19 1967

FLIGHT TIME 178.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 469.326

RL 150.24 LAL -0.00 LOL 208.26 VL 27.470 GAL 5.86 AZL 85.12 MCA 199.52 SMA 131.13 ECC .17727 INC 4.8815 V1 29.657
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.985 GAP -1.47 AZP 94.60 TAL 150.72 TAP 350.24 RCA 107.89 APO 154.38 V2 35.049
 RC 73.590 GL 34.70 GP -61.72 ZAL 55.33 ZAP 82.57 ETS 15.47 ZAE 123.97 ETE 267.61 ZAC 112.80 ETC 348.80 CLP -74.16

PLANETOCENTRIC CONIC

C3 16.690 VHL 4.085 DLA 38.54 RAL 179.55 RAD 6567.7 VEL 11.750 PTH 2.07 VHP 5.688 DPA -43.84 RAP 131.07 ECC 1.2747
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.68 0 24 56 4087.72 -27.58 178.85 48.59 61.93 1 33 4 3487.7 -31.10 171.03
 117.32 6 43 19 2900.46 -27.57 88.95 48.59 61.92 7 31 39 2300.5 -31.09 81.13
 62.68 0 24 56 4087.72 -27.58 178.85 48.59 61.93 1 33 4 3487.7 -31.10 171.03
 117.32 6 43 19 2900.46 -27.57 88.95 48.59 61.92 7 31 39 2300.5 -31.09 81.13
 62.68 0 24 56 4087.72 -27.58 178.85 48.59 61.93 1 33 4 3487.7 -31.10 171.03
 117.32 6 43 19 2900.46 -27.57 88.95 48.59 61.92 7 31 39 2300.5 -31.09 81.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .3507 TRA -.0943 TC3 -.3757 BAU .3796 SGT 604.0 SGR 4929.5 SG3 613.0 ST 494.5 SR 1614.0 SS 1209.0
 RDE -.5701 RRA 2.6052 RC3 -1.6591 FAU .05050 RRT -.2577 RRF .9986 RTF -.2746 CRT -.5813 CRS -.9933 CST .6710
 FDE -1.0386 FRA 3.6836 FC3 -2.6197 BSP 15621 SGB 4966.4 R23 .0141 R13 .9986 LSA 2037.2 MSA 401.4 SSA 5.6
 BDE .6693 BRA 2.6069 BC3 1.7012 FSP -1973 SG1 4932.0 SG2 583.3 TMA 91.83 EL1 1641.0 EL2 395.8 ALF 100.73

LAUNCH DATE APR 19 1967

FLIGHT TIME 180.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 475.720

RL 150.24 LAL -0.00 LOL 208.26 VL 27.478 GAL 5.87 AZL 86.21 MCA 202.71 SMA 131.19 ECC .17699 INC 3.7851 V1 29.657
 RP 108.08 LAP -1.46 LOP 50.93 VP 38.003 GAP -1.01 AZP 93.49 TAL 150.58 TAP 353.29 RCA 107.97 APO 154.41 V2 35.062
 RC 75.721 GL 28.45 GP -57.90 ZAL 52.03 ZAP 85.14 ETS 9.44 ZAE 127.17 ETE 261.56 ZAC 115.38 ETC 347.50 CLP -80.83

PLANETOCENTRIC CONIC

C3 14.344 VHL 3.787 DLA 32.77 RAL 176.55 RAD 6567.6 VEL 11.650 PTH 2.05 VHP 5.122 DPA -39.65 RAP 131.32 ECC 1.2361
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.77 1 9 53 3882.73 -24.62 161.03 41.18 67.65 2 14 36 3282.7 -27.43 153.11
 107.23 5 34 25 3037.16 -24.61 98.24 41.18 67.64 6 25 2 2437.2 -27.42 90.32
 72.77 1 9 53 3882.73 -24.62 161.03 41.18 67.65 2 14 36 3282.7 -27.43 153.11
 107.23 5 34 25 3037.16 -24.61 98.24 41.18 67.64 6 25 2 2437.2 -27.42 90.32
 110.00 7 5 54 2755.56 -30.84 78.90 43.59 74.47 7 51 49 2155.6 -32.66 70.16
 110.00 4 37 35 3212.33 -18.68 108.68 38.10 60.84 5 31 8 2612.3 -22.42 101.55

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .2188 TRA .2075 TC3 -.6719 BAU .3947 SGT 712.8 SGR 4820.5 SG3 739.4 ST 349.9 SR 1599.4 SS 1341.0
 RDE -.5631 RRA 2.5067 RC3 -1.9456 FAU .06198 RRT -.6263 RRF .9984 RTF .6133 CRT -.2320 CRS -.9930 CST .3454
 FDE -1.2603 FRA 4.3613 FC3 -3.7411 BSP 15334 SGB 4872.9 R23 .0262 R13 .9982 LSA 2086.0 MSA 357.0 SSA 6.6
 BDE .6041 BRA 2.5152 BC3 2.0583 FSP -2394 SG1 4841.4 SG2 553.3 TMA 84.64 EL1 1601.6 EL2 339.9 ALF 93.04

LAUNCH DATE APR 19 1967

FLIGHT TIME 182.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 482.101

RL 150.24 LAL -.00 LOL 208.26 VL 27.484 GAL 5.89 AZL 87.05 HCA 205.90 SMA 131.23 ECC .17695 INC 2.9457 V1 29.657
 RP 108.04 LAP -1.29 LOP 54.14 VP 38.019 GAP -.55 AZP 92.65 TAL 150.42 TAP 356.33 RCA 108.01 APO 154.45 V2 35.075
 RC 77.874 GL 22.94 GP -54.35 ZAL 49.45 ZAP 88.37 ETS 4.08 ZAE 129.74 ETE 255.26 ZAC 117.98 ETC 346.54 CLP -87.20

PLANETOCENTRIC CONIC

C3 12.989 VML 3.604 DLA 27.63 RAL 174.20 RAD 6567.5 VEL 11.592 PTH 2.03 VMP 4.721 DPA -35.68 RAP 131.12 ECC 1.2138
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 7 35 3259.87 -25.22 114.91 37.01 76.67 5 1 55 2659.9 -26.80 106.60
 90.00 2 17 59 3616.69 -17.61 138.25 34.37 67.46 3 18 16 3016.7 -20.51 130.78
 100.00 6 11 33 2860.25 -28.51 86.24 37.75 80.60 6 59 13 2260.2 -29.51 77.58
 100.00 2 56 42 3491.54 -14.56 127.62 32.92 63.60 3 54 54 2891.5 -17.99 120.51
 110.00 8 20 17 2457.37 -34.10 56.34 38.44 87.39 9 1 15 1857.4 -34.08 47.10
 110.00 3 4 28 3467.18 -9.67 122.94 30.08 57.05 4 2 15 2867.2 -13.95 116.44

DIFFERENTIAL CORRECTIONS

TDE -.0972 TRA .5002 TC3-1.0167 BAU .4069
 RDE -.5738 RRA 2.3943 RC3-2.1115 FAU .07230
 FDE -1.5377 FRA 4.9926 FC3-4.8189 BSP 15063
 BDE -.5819 BRA 2.4460 BC3 2.3435 FSP -2792

MID-COURSE EXECUTION ACCURACY

SGT 1168.9 SGR 4648.3 SG3 856.6
 RRT .8890 RRF .9983 RTF .8808
 SGB 4793.0 R23 .0392 R13 .9976
 SG1 4764.4 SG2 522.2 THA 77.24

ORBIT DETERMINATION ACCURACY

ST 311.2 SR 1579.7 SS 1482.5
 CRT .4214 CRS -.9926 CST -.3080
 LSA 2165.5 MSA 317.4 SSA 7.5
 EL1 1585.3 EL2 281.2 ALF 85.10

LAUNCH DATE APR 19 1967

FLIGHT TIME 184.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 488.468

RL 150.24 LAL -.00 LOL 208.26 VL 27.487 GAL 5.93 AZL 87.72 HCA 209.10 SMA 131.25 ECC .17716 INC 2.2789 V1 29.657
 RP 108.00 LAP -1.11 LOP 57.35 VP 38.033 GAP -.10 AZP 91.99 TAL 150.24 TAP 359.35 RCA 108.00 APO 154.51 V2 35.088
 RC 80.046 GL 18.13 GP -50.97 ZAL 47.47 ZAP 92.10 ETS 359.33 ZAE 131.71 ETE 248.71 ZAC 120.60 ETC 345.88 CLP -93.34

PLANETOCENTRIC CONIC

C3 12.212 VML 3.495 DLA 23.09 RAL 172.35 RAD 6567.5 VEL 11.559 PTH 2.02 VMP 4.437 DPA -31.89 RAP 130.64 ECC 1.2010
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 35 47 2922.36 -28.27 90.77 33.57 88.33 6 24 29 2322.4 -28.20 82.11
 90.00 0 35 3 3927.84 -8.63 156.68 28.29 62.93 1 40 31 3327.8 -12.20 149.82
 100.00 7 14 47 2603.12 -29.89 67.30 33.59 90.44 7 58 10 2003.1 -29.51 58.52
 100.00 1 38 43 3722.31 -7.21 140.81 27.52 60.91 2 40 46 3122.3 -11.03 134.11
 110.00 8 58 54 2277.41 -33.77 42.32 33.34 95.67 9 36 51 1677.4 -32.61 33.28
 110.00 2 11 6 3620.78 -3.90 131.08 25.48 56.01 3 11 27 3020.8 -8.33 124.80

DIFFERENTIAL CORRECTIONS

TDE -.0263 TRA .7857 TC3-1.3814 BAU .4190
 RDE -.5863 RRA 2.2691 RC3-2.1629 FAU .08095
 FDE -1.8459 FRA 5.5481 FC3-5.7385 BSP 14849
 BDE .5869 BRA 2.4013 BC3 2.5664 FSP -3146

MID-COURSE EXECUTION ACCURACY

SGT 1701.5 SGR 4423.4 SG3 958.4
 RRT .9519 RRF .9980 RTF .9458
 SGB 4739.4 R23 .0520 R13 .9967
 SG1 4714.1 SG2 489.0 THA 69.66

ORBIT DETERMINATION ACCURACY

ST 423.3 SR 1548.6 SS 1625.3
 CRT .8428 CRS -.9922 CST -.7691
 LSA 2266.7 MSA 284.7 SSA 8.4
 EL1 1590.1 EL2 221.9 ALF 76.76

LAUNCH DATE APR 19 1967

FLIGHT TIME 186.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 494.817

RL 150.24 LAL -.00 LOL 208.26 VL 27.489 GAL 5.99 AZL 88.27 HCA 212.31 SMA 131.27 ECC .17762 INC 1.7336 V1 29.657
 RP 107.96 LAP -.93 LOP 60.56 VP 38.046 GAP .35 AZP 91.47 TAL 150.03 TAP 2.34 RCA 107.95 APO 154.58 V2 35.101
 RC 82.236 GL 13.93 GP -47.73 ZAL 45.96 ZAP 96.21 ETS 355.15 ZAE 133.10 ETE 242.03 ZAC 123.20 ETC 345.57 CLP -99.25

PLANETOCENTRIC CONIC

C3 11.799 VML 3.435 DLA 19.11 RAL 170.89 RAD 6567.4 VEL 11.541 PTH 2.01 VMP 4.241 DPA -28.24 RAP 130.01 ECC 1.1942
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 19 1 2736.79 -27.89 77.22 30.08 95.10 7 4 38 2136.8 -26.89 68.70
 90.00 23 36 14 4098.92 -3.22 166.34 24.91 61.85 24 44 33 3498.9 -6.96 159.66
 100.00 7 52 8 2436.52 -29.16 54.98 29.93 96.88 8 32 44 1836.5 -27.90 46.41
 100.00 0 49 45 3874.42 -2.10 149.22 24.29 60.17 1 54 19 3274.4 -6.06 142.66
 110.00 9 25 52 2143.26 -32.39 32.10 29.32 101.56 10 1 35 1543.3 -30.46 23.42
 110.00 1 32 30 3740.45 .67 137.32 22.55 55.82 2 34 50 3140.4 -3.81 131.11

DIFFERENTIAL CORRECTIONS

TDE -.1561 TRA 1.0625 TC3-1.7410 BAU .4331
 RDE -.5935 RRA 2.1324 RC3-2.1232 FAU .08771
 FDE -2.1632 FRA 6.0004 FC3-6.4354 BSP 14749
 BDE .6137 BRA 2.3824 BC3 2.7457 FSP -3441

MID-COURSE EXECUTION ACCURACY

SGT 2239.7 SGR 4156.5 SG3 1039.5
 RRT .9735 RRF .9976 RTF .9683
 SGB 4721.5 R23 .0634 R13 .9957
 SG1 4699.7 SG2 453.2 THA 62.04

ORBIT DETERMINATION ACCURACY

ST 621.0 SR 1502.4 SS 1762.3
 CRT .9589 CRS -.9917 CST -.9147
 LSA 2383.5 MSA 259.0 SSA 9.2
 EL1 1617.4 EL2 163.6 ALF 68.14

LAUNCH DATE APR 19 1967

FLIGHT TIME 188.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 501.148

RL 150.24 LAL -.00 LOL 208.26 VL 27.488 GAL 6.05 AZL 88.72 HCA 215.52 SMA 131.26 ECC .17833 INC 1.2767 V1 29.657
 RP 107.92 LAP -.74 LOP 63.78 VP 38.057 GAP .80 AZP 91.04 TAL 149.79 TAP 5.31 RCA 107.85 APO 154.67 V2 35.113
 RC 84.440 GL 10.29 GP -44.59 ZAL 44.80 ZAP 100.55 ETS 351.52 ZAE 133.93 ETE 235.41 ZAC 125.70 ETC 345.64 CLP -104.90

PLANETOCENTRIC CONIC

C3 11.634 VML 3.411 DLA 15.61 RAL 169.74 RAD 6567.4 VEL 11.533 PTH 2.01 VMP 4.113 DPA -24.73 RAP 129.33 ECC 1.1915
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 49 28 2600.41 -26.68 67.43 27.36 99.86 7 32 49 2000.4 -25.05 59.15
 90.00 22 56 37 4229.38 .99 173.62 22.80 61.70 24 7 7 3629.4 -2.80 166.99
 100.00 8 19 24 2310.40 -27.79 45.87 27.12 101.48 8 57 55 1710.4 -25.92 37.56
 100.00 0 13 18 3994.63 1.97 155.81 22.25 60.17 1 19 53 3394.6 -2.01 149.29
 110.00 9 46 45 2037.12 -30.68 24.31 26.32 105.88 10 20 42 1437.1 -28.20 15.99
 110.00 1 2 27 3840.67 4.50 142.56 20.68 56.08 2 6 28 3240.7 .01 136.35

DIFFERENTIAL CORRECTIONS

TDE -.2928 TRA 1.3292 TC3-2.0739 BAU .4494
 RDE -.5905 RRA 1.9892 RC3-2.0117 FAU .09219
 FDE -2.4641 FRA 6.3367 FC3-6.8609 BSP 14770
 BDE .6591 BRA 2.3924 BC3 2.8893 FSP -3661

MID-COURSE EXECUTION ACCURACY

SGT 2760.0 SGR 3860.6 SG3 1096.9
 RRT .9828 RRF .9971 RTF .9782
 SGB 4745.8 R23 .0718 R13 .9946
 SG1 4727.5 SG2 415.9 THA 54.59

ORBIT DETERMINATION ACCURACY

ST 852.9 SR 1438.4 SS 1885.4
 CRT .9892 CRS -.9910 CST -.9609
 LSA 2508.7 MSA 239.7 SSA 10.0
 EL1 1668.8 EL2 107.8 ALF 59.47

LAUNCH DATE APR 19 1967

FLIGHT TIME 190.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 507.460

RL 150.24 LAL -.00 LOL 208.26 VL 27.486 GAL 6.14 AZL 89.11 MCA 218.73 SMA 131.25 ECC .17928 INC .8862 V1 29.657
 RP 107.89 LAP -.55 LOP 66.99 VP 38.067 GAP 1.25 AZP 90.69 TAL 149.53 TAP 8.26 RCA 107.72 APO 154.78 V2 35.125
 RC 86.655 GL 7.11 GP -41.56 ZAL 43.89 ZAP 105.00 ETS 348.40 ZAE 134.23 ETE 229.04 ZAC 128.03 ETC 346.10 CLP-110.24

PLANETOCENTRIC CONIC

C3 11.647 VML 3.413 DLA 12.53 RAL 168.85 RAD 6567.4 VEL 11.534 PTH 2.01 VMP 4.042 DPA -21.38 RAP 128.69 ECC 1.1917
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 13 20 2492.78 -25.20 59.90 25.36 103.36 7 54 52 1892.8 -23.12 51.85
 90.00 22 25 38 4337.50 4.46 179.66 21.53 62.01 23 37 55 3737.5 .68 173.02
 100.00 8 41 7 2209.67 -26.22 38.79 25.07 104.89 9 17 56 1609.7 -23.92 30.75
 100.00 23 40 32 4095.84 5.38 161.39 21.02 60.55 24 48 48 3495.8 1.42 154.84
 110.00 10 3 53 1950.67 -28.91 18.20 24.15 109.09 10 36 24 1350.7 -26.03 10.20
 110.00 0 38 11 3927.60 7.78 147.15 19.55 56.61 1 43 39 3327.6 3.33 140.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.4348 TRA 1.5856 TC3-2.3631 BAU .4670 SGT 3251.2 SGR 3549.3 SG3 1129.5 ST 1097.4 SR 1356.5 SS 1987.9
 RDE -.5750 RRA 1.8458 RC3-1.8468 FAU .09405 RRT .9874 RRF .9964 RTF .9832 CRT .9978 CRS -.9900 CST -.9788
 FDE-2.7250 FRA 6.5579 FC3-6.9908 BSP 14888 SGB 4813.3 R23 .0759 R13 .9935 LSA 2635.4 MSA 225.6 SSA 10.7
 BDE .7208 BRA 2.4333 BC3 2.9991 FSP -3786 SG1 4798.2 SG2 380.7 THA 47.54 EL1 1743.9 EL2 56.0 ALF 51.04

LAUNCH DATE APR 19 1967

FLIGHT TIME 192.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 513.751

RL 150.24 LAL -.00 LOL 208.26 VL 27.482 GAL 6.24 AZL 89.45 MCA 221.95 SMA 131.22 ECC .18047 INC .5466 V1 29.657
 RP 107.85 LAP -.37 LOP 70.21 VP 38.075 GAP 1.70 AZP 90.41 TAL 149.23 TAP 11.18 RCA 107.54 APO 154.90 V2 35.137
 RC 88.880 GL 4.35 GP -38.65 ZAL 43.15 ZAP 109.46 ETS 345.76 ZAE 134.07 ETE 223.10 ZAC 130.14 ETC 346.95 CLP-115.26

PLANETOCENTRIC CONIC

C3 11.799 VML 3.435 DLA 9.81 RAL 168.16 RAD 6567.4 VEL 11.541 PTH 2.01 VMP 4.019 DPA -18.21 RAP 128.13 ECC 1.1942
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 33 5 2404.98 -23.69 53.92 23.96 105.99 8 13 10 1805.0 -21.27 46.08
 90.00 22 0 25 4430.74 7.42 184.92 20.86 62.59 23 14 16 3830.7 3.69 178.23
 100.00 8 59 16 2127.04 -24.65 33.16 23.64 107.46 9 34 43 1527.0 -22.03 25.34
 100.00 23 16 55 4183.91 8.31 166.30 20.38 61.18 24 26 39 3583.9 4.40 159.69
 110.00 10 18 30 1879.09 -27.21 13.32 22.63 111.53 10 49 49 1279.1 -24.04 5.59
 110.00 0 18 7 4004.62 10.64 151.28 18.97 57.32 1 24 51 3404.6 6.26 144.93

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.5823 TRA 1.8284 TC3-2.6068 BAU .4882 SGT 3705.4 SGR 3234.8 SG3 1138.5 ST 1344.8 SR 1264.0 SS 2073.3
 RDE -.5525 RRA 1.7022 RC3-1.6675 FAU .09425 RRT .9899 RRF .9954 RTF .9861 CRT .9999 CRS -.9885 CST -.9869
 FDE-2.9505 FRA 6.6531 FC3-6.9153 BSP 15216 SGB 4918.7 R23 .0751 R13 .9926 LSA 2767.3 MSA 216.5 SSA 11.2
 BDE .8027 BRA 2.4981 BC3 3.0945 FSP -3852 SG1 4906.4 SG2 347.0 THA 41.08 EL1 1845.5 EL2 14.6 ALF 43.23

LAUNCH DATE APR 19 1967

FLIGHT TIME 194.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 520.021

RL 150.24 LAL -.00 LOL 208.26 VL 27.477 GAL 6.35 AZL 89.75 MCA 225.17 SMA 131.18 ECC .18191 INC .2464 V1 29.657
 RP 107.82 LAP -.17 LOP 73.43 VP 38.081 GAP 2.15 AZP 90.17 TAL 148.90 TAP 14.08 RCA 107.32 APO 155.04 V2 35.149
 RC 91.113 GL 1.94 GP -35.89 ZAL 42.53 ZAP 113.85 ETS 343.54 ZAE 133.55 ETE 217.72 ZAC 131.96 ETC 348.15 CLP-119.94

PLANETOCENTRIC CONIC

C3 12.067 VML 3.474 DLA 7.40 RAL 167.66 RAD 6567.5 VEL 11.552 PTH 2.02 VMP 4.035 DPA -15.25 RAP 127.71 ECC 1.1986
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 50 5 2331.99 -22.23 49.06 23.06 108.00 8 28 57 1732.0 -19.57 41.40
 90.00 21 39 24 4513.15 9.97 189.63 20.64 63.36 22 54 37 3913.1 6.31 182.86
 100.00 9 14 59 2058.18 -23.17 28.58 22.71 109.44 9 49 17 1458.2 -20.31 20.95
 100.00 22 57 12 4262.19 10.84 170.72 20.18 61.97 24 8 14 3662.2 7.01 164.03
 110.00 10 31 20 1819.23 -25.66 9.36 21.64 113.41 11 1 39 1219.2 -22.27 1.85
 110.00 0 1 15 4073.91 13.16 155.07 18.82 58.16 1 9 9 3473.9 8.86 148.62

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.7330 TRA 2.0601 TC3-2.7973 BAU .5104 SGT 4120.7 SGR 2928.2 SG3 1126.6 ST 1588.1 SR 1162.7 SS 2137.0
 RDE -.5218 RRA 1.5654 RC3-1.4782 FAU .09247 RRT .9910 RRF .9940 RTF .9877 CRT .9994 CRS -.9864 CST -.9911
 FDE-3.1238 FRA 6.6472 FC3-6.6345 BSP 15655 SGB 5055.1 R23 .0691 R13 .9918 LSA 2897.5 MSA 210.8 SSA 11.6
 BDE .8998 BRA 2.5874 BC3 3.1639 FSP -3844 SG1 5045.0 SG2 319.6 THA 35.32 EL1 1967.9 EL2 31.8 ALF 36.20

LAUNCH DATE APR 19 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 526.269

RL 150.24 LAL -.00 LOL 208.26 VL 27.470 GAL 6.48 AZL 90.02 MCA 228.39 SMA 131.13 ECC .18360 INC .0198 V1 29.657
 RP 107.78 LAP .02 LOP 76.66 VP 38.087 GAP 2.61 AZP 89.99 TAL 148.55 TAP 16.94 RCA 107.06 APO 155.21 V2 35.160
 RC 93.352 GL -.17 GP -33.30 ZAL 41.98 ZAP 118.10 ETS 341.67 ZAE 132.75 ETE 212.97 ZAC 133.46 ETC 349.65 CLP-124.30

PLANETOCENTRIC CONIC

C3 12.434 VML 3.526 DLA 5.26 RAL 167.31 RAD 6567.5 VEL 11.568 PTH 2.02 VMP 4.087 DPA -12.50 RAP 127.45 ECC 1.2046
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 5 5 2270.63 -20.89 45.06 22.56 109.56 8 42 55 1670.6 -18.03 37.55
 90.00 21 21 37 4587.22 12.19 193.94 20.79 64.24 22 38 4 3987.2 8.63 187.07
 100.00 9 28 54 2000.26 -21.81 24.82 22.20 110.97 10 2 14 1400.3 -18.76 17.34
 100.00 22 40 28 4332.82 13.07 174.78 20.35 62.88 23 52 41 3732.8 9.33 167.99
 110.00 10 42 50 1768.89 -24.25 6.12 21.08 114.86 11 12 19 1168.9 -20.70 358.78
 110.00 23 43 2 4136.97 15.39 158.59 19.02 59.10 24 51 59 3537.0 11.18 152.02

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.8856 TRA 2.2819 TC3-2.9362 BAU .5333 SGT 4496.9 SGR 2637.8 SG3 1097.9 ST 1822.7 SR 1057.1 SS 2179.8
 RDE -.4850 RRA 1.4380 RC3-1.2930 FAU .08916 RRT .9913 RRF .9921 RTF .9887 CRT .9976 CRS -.9835 CST -.9935
 FDE-3.2442 FRA 6.5583 FC3-6.2077 BSP 16185 SGB 5213.5 R23 .0584 R13 .9912 LSA 3024.6 MSA 207.5 SSA 11.9
 BDE 1.0098 BRA 2.6972 BC3 3.2083 FSP -3774 SG1 5204.9 SG2 300.1 THA 30.29 EL1 2106.1 EL2 63.4 ALF 30.08

LAUNCH DATE APR 19 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC
 RL 150.24 LAL -.00 LOL 208.26 VL 27.462 GAL 6.63 AZL 90.26 HCA 231.62 SMA 131.07 ECC .18554 INC .2639 V1 29.657
 RP 107.75 LAP .21 LOP 79.88 VP 38.090 GAP 3.06 A7P 89.84 TAL 148.16 TAP 19.78 RCA 106.75 APO 155.39 V2 35.170
 RC 95.596 GL -2.01 GP -30.88 ZAL 41.48 ZAP 122.16 ETS 340.11 ZAE 131.75 ETE 208.84 ZAC 134.62 ETC 351.37 CLP-128.33

PLANETOCENTRIC CONIC
 C3 12.895 VML 3.591 DLA 3.35 RAL 167.09 RAD 6567.5 VEL 11.588 PTH 2.03 VMP 4.168 DPA -9.99 RAP 127.36 ECC 1.2122
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 18 34 2218.74 -19.67 41.75 22.41 110.79 8 55 32 1618.7 -16.67 34.36
 90.00 21 6 24 4654.67 14.16 197.92 21.24 65.22 22 23 59 4054.7 10.70 190.95
 100.00 9 41 28 1951.32 -20.58 21.70 22.03 112.17 10 13 59 1351.3 -17.39 14.35
 100.00 22 26 10 4397.33 15.04 178.56 20.81 63.86 23 39 28 3797.3 11.41 171.66
 110.00 10 53 18 1726.47 -23.01 3.46 20.85 116.00 11 22 5 1126.5 -19.33 356.26
 110.00 23 30 50 4194.94 17.39 161.90 19.51 60.10 24 40 44 3594.9 13.28 155.19

DIFFERENTIAL CORRECTIONS
 TDE-1.0391 TRA 2.4956 TC3-3.0254 BAU .5561 SGT 4835.3 SGR 2368.7 SG3 1056.4 ST 2045.7 SR 951.0 SS 2203.1
 RDE -.4442 RRA 1.3216 RC3-1.1194 FAU .08465 RRT .9908 RRF .9896 RTF .9892 CRT .9945 CRS -.9794 CST -.9950
 FDE-3.3146 FRA 6.4072 FC3-5.6837 BSP 16766 SGB 5384.4 R23 .0444 R13 .9907 LSA 3146.5 MSA 205.9 SSA 12.2
 BDE 1.1300 BRA 2.8240 BC3 3.2259 FSP -3654 SG1 5376.6 SG2 288.8 THA 25.97 EL1 2254.2 EL2 90.1 ALF 24.86

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 19 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC
 RL 150.24 LAL -.00 LOL 208.26 VL 27.452 GAL 6.79 AZL 90.49 HCA 234.85 SMA 131.01 ECC .18774 INC .4865 V1 29.657
 RP 107.72 LAP .40 LOP 83.11 VP 38.093 GAP 3.52 A7P 89.72 TAL 147.75 TAP 22.60 RCA 106.41 APO 155.60 V2 35.180
 RC 97.843 GL -3.62 GP -28.65 ZAL 41.00 ZAP 126.01 ETS 338.78 ZAE 130.65 ETE 205.31 ZAC 135.43 ETC 353.23 CLP-132.06

PLANETOCENTRIC CONIC
 C3 13.445 VML 3.667 DLA 1.65 RAL 166.99 RAD 6567.5 VEL 11.612 PTH 2.03 VMP 4.276 DPA -7.73 RAP 127.46 ECC 1.2213
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 30 52 2174.76 -18.58 38.98 22.54 111.76 9 7 6 1574.8 -15.47 31.69
 90.00 20 53 18 4716.73 15.89 201.65 21.95 66.25 22 11 55 4116.7 12.55 194.57
 100.00 9 52 58 1909.91 -19.50 19.10 22.14 113.12 10 24 48 1309.9 -16.20 11.86
 100.00 22 13 53 4456.80 16.79 182.11 21.52 64.90 23 28 9 3856.8 13.27 175.09
 110.00 11 2 58 1690.80 -21.93 1.25 20.92 116.90 11 31 9 1090.8 -18.15 354.16
 110.00 23 20 22 4248.67 19.19 165.03 20.24 61.15 24 31 10 3648.7 15.19 158.19

DIFFERENTIAL CORRECTIONS
 TDE-1.1911 TRA 2.7055 TC3-3.0651 BAU .5773 SGT 5138.5 SGR 2123.9 SG3 1006.2 ST 2253.6 SR 847.0 SS 2207.0
 RDE -.4000 RRA 1.2180 RC3 -.9590 FAU .07910 RRT .9893 RRF .9863 RTF .9895 CRT .9899 CRS -.9736 CST -.9961
 FDE-3.3355 FRA 6.2187 FC3-5.0932 BSP 17336 SGB 5560.1 R23 .0296 R13 .9903 LSA 3259.5 MSA 205.4 SSA 12.5
 BDE 1.2565 BRA 2.9671 BC3 3.2116 FSP -3489 SG1 5552.8 SG2 286.1 THA 22.30 EL1 2404.9 EL2 112.4 ALF 20.46

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 19 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC
 RL 150.24 LAL -.00 LOL 208.26 VL 27.442 GAL 6.97 AZL 90.69 HCA 238.08 SMA 130.93 ECC .19020 INC .6918 V1 29.657
 RP 107.69 LAP .59 LOP 86.34 VP 38.094 GAP 3.98 A7P 89.63 TAL 147.31 TAP 25.39 RCA 106.03 APO 155.83 V2 35.190
 RC 100.092 GL -5.03 GP -26.61 ZAL 40.53 ZAP 129.64 ETS 337.64 ZAE 129.49 ETE 202.31 ZAC 135.90 ETC 355.15 CLP-135.52

PLANETOCENTRIC CONIC
 C3 14.084 VML 3.753 DLA .12 RAL 167.00 RAD 6567.6 VEL 11.639 PTH 2.04 VMP 4.408 DPA -5.69 RAP 127.75 ECC 1.2318
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 42 13 2137.52 -17.63 36.66 22.91 112.53 9 17 50 1537.5 -14.42 29.45
 90.00 20 41 58 4774.30 17.44 205.17 22.87 67.33 22 1 33 4174.3 14.22 197.97
 100.00 10 3 36 1874.96 -18.55 16.94 22.50 113.87 10 34 51 1275.0 -15.16 9.78
 100.00 22 3 16 4512.10 18.36 185.47 22.45 65.99 23 18 28 3912.1 14.96 178.32
 110.00 11 11 58 1660.96 -21.00 359.44 21.24 117.61 11 39 39 1061.0 -17.14 352.44
 110.00 23 11 23 4298.87 20.81 168.02 21.19 62.25 24 23 2 3698.9 16.93 161.04

DIFFERENTIAL CORRECTIONS
 TDE-1.3453 TRA 2.9095 TC3-3.0710 BAU .5985 SGT 5409.5 SGR 1904.0 SG3 950.9 ST 2449.3 SR 749.7 SS 2200.0
 RDE -.3565 RRA 1.1249 RC3 -.8206 FAU .07339 RRT .9871 RRF .9820 RTF .9896 CRT .9834 CRS -.9658 CST -.9968
 FDE-3.3282 FRA 5.9977 FC3-4.5114 BSP 17963 SGB 5734.8 R23 .0151 R13 .9900 LSA 3370.3 MSA 205.7 SSA 12.6
 BDE 1.3917 BRA 3.1194 BC3 3.1788 FSP -3314 SG1 5727.5 SG2 288.3 THA 19.21 EL1 2558.1 EL2 130.2 ALF 16.80

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 19 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC
 RL 150.24 LAL -.00 LOL 208.26 VL 27.430 GAL 7.17 AZL 90.88 HCA 241.31 SMA 130.85 ECC .19294 INC .8834 V1 29.657
 RP 107.66 LAP .78 LOP 89.57 VP 38.094 GAP 4.45 A7P 89.58 TAL 146.84 TAP 28.15 RCA 105.60 APO 156.09 V2 35.199
 RC 102.344 GL -6.26 GP -24.75 ZAL 40.06 ZAP 133.03 ETS 336.64 ZAE 128.32 ETE 199.78 ZAC 136.06 ETC 357.05 CLP-138.71

PLANETOCENTRIC CONIC
 C3 14.816 VML 3.849 DLA -1.26 RAL 167.09 RAD 6567.6 VEL 11.671 PTH 2.05 VMP 4.560 DPA -3.89 RAP 128.21 ECC 1.2438
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 52 46 2106.16 -16.80 34.75 23.50 113.14 9 27 52 1506.2 -13.52 27.59
 90.00 20 32 10 4828.13 18.82 208.51 23.98 68.44 21 52 38 4228.1 15.72 201.20
 100.00 10 13 32 1845.65 -17.73 15.15 23.07 114.47 10 44 17 1245.7 -14.28 8.05
 100.00 21 54 5 4563.87 19.76 188.67 23.57 67.10 23 10 9 3963.9 16.49 181.41
 110.00 11 20 26 1636.23 -20.21 357.95 21.77 118.17 11 47 42 1036.2 -16.29 351.02
 110.00 23 3 41 4346.06 22.28 170.90 22.33 63.38 24 16 7 3746.1 18.52 163.77

DIFFERENTIAL CORRECTIONS
 TDE-1.4993 TRA 3.1118 TC3-3.0428 BAU .6185 SGT 5650.9 SGR 1708.4 SG3 893.2 ST 2630.1 SR 659.1 SS 2181.0
 RDE -.3130 RRA 1.0429 RC3 -.7001 FAU .06748 RRT .9837 RRF .9764 RTF .9895 CRT .9741 CRS -.9549 CST -.9973
 FDE-3.2916 FRA 5.7638 FC3-3.9431 BSP 18579 SGB 5903.5 R23 .0023 R13 .9897 LSA 3473.6 MSA 206.3 SSA 12.8
 BDE 1.5317 BRA 3.2819 BC3 3.1223 FSP -3127 SG1 5896.1 SG2 294.7 THA 16.60 EL1 2707.6 EL2 144.8 ALF 13.76

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 19 1967 FLIGHT TIME 206.00 ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC
 RL 150.24 LAL -1.00 LOL 208.26 VL 27.417 GAL 7.39 AZL 91.06 MCA 244.54 SMA 130.76 ECC .19597 INC 1.0635 V1 29.657
 RP 107.63 LAP .96 LOP 92.80 VP 38.093 GAP 4.92 AZP 89.54 TAL 146.35 TAP 30.89 RCA 105.13 APO 156.38 V2 35.208
 RC 104.596 GL -7.33 GP -23.06 ZAL 39.57 ZAP 136.21 ETS 335.72 ZAE 127.18 ETE 197.65 ZAC 135.94 ETC 358.89 CLP-141.68

PLANETOCENTRIC CONIC
 C3 15.646 VML 3.956 DLA -2.50 RAL 167.26 RAD 6567.6 VEL 11.706 PTH 2.06 VMP 4.732 DPA -2.30 RAP 128.84 ECC 1.2575
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 2 39 2079.98 -16.09 33.14 24.27 113.62 9 37 19 1480.0 -12.76 26.04
 90.00 20 23 40 4878.78 20.05 211.72 25.27 69.58 21 44 58 4278.8 -17.09 204.29
 100.00 10 22 50 1821.33 -17.04 13.67 23.83 114.94 10 53 11 1221.3 -13.53 6.63
 100.00 21 46 10 4612.66 21.02 191.75 24.87 68.25 23 3 3 4012.7 -17.88 184.36
 110.00 11 28 25 1616.06 -19.56 356.75 22.49 118.61 11 55 21 1016.1 -15.59 349.88
 110.00 22 57 5 4390.70 23.61 173.67 23.64 64.53 24 10 16 3790.7 19.99 166.41

MID-COURSE EXECUTION ACCURACY
 SGT 5866.4 SGR 1535.8 SG3 835.2
 RRT .9789 RRF .9694 RTF .9894
 SGB 6064.1 R23 -.0085 R13 .9894
 SGI 6056.5 SG2 303.7 TMA 14.41

ORBIT DETERMINATION ACCURACY
 ST 2796.4 SR 576.2 SS 2152.5
 CRT .9607 CRS -.9397 CST -.9977
 LSA 3569.6 MSA 207.1 SSA 12.9
 EL1 2850.8 EL2 156.9 ALF 11.23

DIFFERENTIAL CORRECTIONS
 TDE-1.6534 TRA 3.3150 TC3-2.9855 BAU .6368
 RDE -.2703 RRA .9712 RC3 -.5964 FAU .06158
 FDE-3.2331 FRA 5.5281 FC3-3.4072 BSP 19170
 BOE 1.6754 BRA 3.4543 BC3 3.0445 FSP -2934

LAUNCH DATE APR 19 1967 FLIGHT TIME 208.00 ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC
 RL 150.24 LAL -1.00 LOL 208.26 VL 27.403 GAL 7.63 AZL 91.23 MCA 247.78 SMA 130.66 ECC .19929 INC 1.2343 V1 29.657
 RP 107.61 LAP 1.14 LOP 96.04 VP 38.090 GAP 5.40 AZP 89.53 TAL 145.83 TAP 33.61 RCA 104.62 APO 156.70 V2 35.216
 RC 106.849 GL -8.26 GP -21.53 ZAL 39.07 ZAP 139.18 ETS 334.87 ZAE 126.08 ETE 195.86 ZAC 135.55 ETC .61 CLP-144.44

PLANETOCENTRIC CONIC
 C3 16.580 VML 4.072 DLA -3.61 RAL 167.51 RAD 6567.7 VEL 11.746 PTH 2.07 VMP 4.921 DPA -.92 RAP 129.63 ECC 1.2729
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 11 58 2058.44 -15.50 31.83 25.21 114.00 9 46 16 1458.4 -12.13 24.78
 90.00 20 16 19 4926.72 21.16 214.80 26.70 70.73 21 38 25 4326.7 18.34 207.26
 100.00 10 31 37 1801.49 -16.46 12.48 24.75 115.31 11 1 38 1201.5 -12.92 5.48
 100.00 21 39 21 4658.90 22.16 194.71 26.31 69.41 22 57 0 4058.9 19.16 187.20
 110.00 11 35 59 1599.98 -19.03 355.80 23.37 118.94 12 2 39 1000.0 -15.03 348.97
 110.00 22 51 28 4433.17 24.83 176.37 25.11 65.71 24 5 21 3833.2 21.34 168.96

MID-COURSE EXECUTION ACCURACY
 SGT 6057.6 SGR 1384.1 SG3 778.2
 RRT .9725 RRF .9607 RTF .9891
 SGB 6213.8 R23 -.0165 R13 .9890
 SGI 6205.8 SG2 314.5 TMA 12.56

ORBIT DETERMINATION ACCURACY
 ST 2945.6 SR 500.9 SS 2113.9
 CRT .9411 CRS -.9180 CST -.9980
 LSA 3654.1 MSA 208.2 SSA 13.0
 EL1 2983.2 EL2 167.3 ALF 9.12

DIFFERENTIAL CORRECTIONS
 TDE-1.8049 TRA 3.5236 TC3-2.8966 BAU .6518
 RDE -.2279 RRA .9093 RC3 -.5052 FAU .05549
 FDE-3.1529 FRA 5.3022 FC3-2.8974 BSP 19652
 BOE 1.8192 BRA 3.6390 BC3 2.9403 FSP -2729

LAUNCH DATE APR 19 1967 FLIGHT TIME 210.00 ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC
 RL 150.24 LAL -1.00 LOL 208.26 VL 27.389 GAL 7.90 AZL 91.40 MCA 251.02 SMA 130.56 ECC .20292 INC 1.3974 V1 29.657
 RP 107.59 LAP 1.32 LOP 99.27 VP 38.087 GAP 5.90 AZP 89.55 TAL 145.29 TAP 36.31 RCA 104.06 APO 157.05 V2 35.223
 RC 109.101 GL -9.07 GP -20.15 ZAL 38.56 ZAP 141.94 ETS 334.04 ZAE 125.04 ETE 194.36 ZAC 134.94 ETC 2.20 CLP-147.01

PLANETOCENTRIC CONIC
 C3 17.628 VML 4.199 DLA -4.62 RAL 167.82 RAD 6567.7 VEL 11.790 PTH 2.08 VMP 5.128 DPA .27 RAP 130.56 ECC 1.2901
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 20 45 2041.11 -15.02 30.79 26.30 114.29 9 54 46 1441.1 -11.61 23.76
 90.00 20 9 59 4972.32 22.16 217.77 28.28 71.90 21 32 51 4372.3 19.48 210.12
 100.00 10 39 55 1785.72 -16.00 11.53 25.82 115.59 11 9 41 1185.7 -12.43 4.56
 100.00 21 33 30 4702.95 23.19 197.58 27.90 70.58 22 51 53 4102.9 20.33 189.95
 110.00 11 43 11 1587.64 -18.63 355.08 24.40 119.19 12 9 39 987.6 -14.59 348.28
 110.00 22 46 43 4473.78 25.94 179.01 26.72 66.91 24 1 17 3873.8 22.59 171.45

MID-COURSE EXECUTION ACCURACY
 SGT 6228.6 SGR 1251.0 SG3 723.7
 RRT .9644 RRF .9501 RTF .9889
 SGB 6353.0 R23 -.0235 R13 .9887
 SGI 6344.6 SG2 324.8 TMA 10.99

ORBIT DETERMINATION ACCURACY
 ST 3084.9 SR 435.1 SS 2074.1
 CRT .9137 CRS -.8884 CST -.9982
 LSA 3736.9 MSA 209.0 SSA 13.0
 EL1 3110.5 EL2 175.3 ALF 7.37

DIFFERENTIAL CORRECTIONS
 TDE-1.9610 TRA 3.7329 TC3-2.7967 BAU .6669
 RDE -.1883 RRA .8544 RC3 -.4304 FAU .05002
 FDE-3.0710 FRA 5.0789 FC3-2.4566 BSP 20189
 BOE 1.9700 BRA 3.8294 BC3 2.8296 FSP -2546

LAUNCH DATE APR 19 1967 FLIGHT TIME 212.00 ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC
 RL 150.24 LAL -1.00 LOL 208.26 VL 27.373 GAL 8.18 AZL 91.55 MCA 254.25 SMA 130.45 ECC .20689 INC 1.5544 V1 29.657
 RP 107.57 LAP 1.50 LOP 102.51 VP 38.082 GAP 6.40 AZP 89.58 TAL 144.73 TAP 38.99 RCA 103.46 APO 157.44 V2 35.230
 RC 111.351 GL -9.76 GP -18.91 ZAL 38.03 ZAP 144.53 ETS 333.20 ZAE 124.06 ETE 193.08 ZAC 134.14 ETC 3.63 CLP-149.42

PLANETOCENTRIC CONIC
 C3 18.801 VML 4.336 DLA -5.53 RAL 168.18 RAD 6567.8 VEL 11.840 PTH 2.10 VMP 5.350 DPA 1.29 RAP 131.63 ECC 1.3094
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 29 4 2027.65 -14.64 29.98 27.52 114.51 10 2 52 1427.6 -11.21 22.98
 90.00 20 4 33 5015.90 23.05 220.65 29.98 73.08 21 28 9 4415.9 20.51 212.90
 100.00 10 47 48 1773.67 -15.65 10.81 27.03 115.80 11 17 22 1173.7 -12.05 3.87
 100.00 21 28 30 4745.11 24.11 200.37 29.62 71.77 22 47 35 4145.1 21.40 192.63
 110.00 11 50 4 1578.74 -18.33 354.56 25.57 119.37 12 16 22 978.7 -14.28 347.78
 110.00 22 42 44 4512.81 26.95 181.58 28.47 68.13 23 57 57 3912.8 23.74 173.89

MID-COURSE EXECUTION ACCURACY
 SGT 6380.3 SGR 1134.3 SG3 672.0
 RRT .9542 RRF .9373 RTF .9886
 SGB 6480.3 R23 -.0289 R13 .9884
 SGI 6471.7 SG2 334.7 TMA 9.65

ORBIT DETERMINATION ACCURACY
 ST 3211.0 SR 377.6 SS 2030.3
 CRT .8748 CRS -.8469 CST -.9985
 LSA 3812.0 MSA 209.8 SSA 13.1
 EL1 3228.0 EL2 182.0 ALF 5.89

DIFFERENTIAL CORRECTIONS
 TDE-2.1181 TRA 3.9480 TC3-2.6806 BAU .6801
 RDE -.1500 RRA .8065 RC3 -.3667 FAU .04482
 FDE-2.9825 FRA 4.8680 FC3-2.0637 BSP 20690
 BOE 2.1234 BRA 4.0296 BC3 2.7056 FSP -2371

LAUNCH DATE APR 19 1967

FLIGHT TIME 214.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 581.265

RL 150.24 LAL -0.00 LOL 208.26 VL 27.357 GAL 8.49 AZL 91.71 MCA 257.49 SMA 130.33 ECC .21121 INC 1.7065 V1 29.657
 RP 107.55 LAP 1.67 LOP 105.75 VP 38.076 GAP 6.91 AZP 89.63 TAL 144.16 TAP 41.65 RCA 102.81 APO 157.86 V2 35.236
 RC 113.598 GL -10.35 GP -17.79 ZAL 37.49 ZAP 146.95 ETS 332.33 ZAE 123.15 ETE 192.00 ZAC 133.16 ETC 4.91 CLP-151.68

PLANETOCENTRIC CONIC

C3 20.113 VHL 4.485 DLA -6.35 RAL 168.59 RAD 6567.8 VEL 11.895 PTH 2.11 VHP 5.588 DPA 2.15 RAP 132.81 ECC 1.3310
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 36 58 2017.75 -14.36 29.39 28.87 114.67 10 10 35 1417.7 -10.91 22.41
 90.00 19 59 56 5057.74 23.85 223.46 31.81 74.27 21 24 14 4457.7 21.46 215.60
 100.00 10 55 17 1765.08 -15.39 10.30 28.36 115.95 11 24 42 1165.1 -11.78 3.38
 100.00 21 24 18 4785.65 24.95 203.09 31.45 72.98 22 44 3 4185.7 22.38 195.24
 110.00 11 56 37 1573.03 -18.14 354.22 26.85 119.48 12 22 50 973.0 -14.07 347.47
 110.00 22 39 27 4550.46 27.88 184.12 30.33 69.37 23 55 17 3950.5 24.82 176.29

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.2769 TRA 4.1713 TC3-2.5512 BAU .6911 SGT 6515.3 SGR 1032.1 SG3 623.5 ST 3324.7 SR 328.4 SS 1983.9
 RDE -.1131 RRA .7646 RC3 -.3123 FAU .03990 RRT .9415 RRF .9220 RTF .9883 CRT .8198 CRS -.7893 CST -.9986
 FDE-2.8904 FRA 4.6721 FC3-1.7174 BSP 21145 SGB 6596.5 R23 -.0329 R13 .9881 LSA 3879.9 MSA 210.4 SSA 13.1
 BDE 2.2797 BRA 4.2408 BC3 2.5702 FSP -2204 SG1 6587.5 SG2 344.0 TMA 8.51 EL1 3335.7 EL2 187.5 ALF 4.64

LAUNCH DATE APR 19 1967

FLIGHT TIME 216.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 587.199

RL 150.24 LAL -0.00 LOL 208.26 VL 27.340 GAL 8.82 AZL 91.85 MCA 260.73 SMA 130.22 ECC .21590 INC 1.8548 V1 29.657
 RP 107.53 LAP 1.83 LOP 108.99 VP 38.069 GAP 7.44 AZP 89.70 TAL 143.56 TAP 44.30 RCA 102.10 APO 158.33 V2 35.241
 RC 115.842 GL -10.85 GP -16.78 ZAL 36.93 ZAP 149.22 ETS 331.40 ZAE 122.30 ETE 191.08 ZAC 132.03 ETC 6.04 CLP-153.81

PLANETOCENTRIC CONIC

C3 21.580 VHL 4.645 DLA -7.09 RAL 169.04 RAD 6567.9 VEL 11.957 PTH 2.13 VHP 5.842 DPA 2.86 RAP 134.09 ECC 1.3552
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 44 26 2011.19 -14.17 29.00 30.32 114.77 10 17 58 1411.2 -10.71 22.03
 90.00 19 56 3 5098.07 24.57 226.19 33.74 75.46 21 21 1 4498.1 22.33 218.24
 100.00 11 2 24 1759.71 -15.23 9.99 29.80 116.04 11 31 43 1159.7 -11.61 3.07
 100.00 21 20 47 4824.77 25.70 205.76 33.40 74.18 22 41 12 4224.8 23.28 197.79
 110.00 12 2 53 1570.30 -18.05 354.06 28.25 119.54 12 29 4 970.3 -13.98 347.31
 110.00 22 36 47 4586.95 28.73 186.62 32.32 70.63 23 53 14 3987.0 25.82 178.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4378 TRA 4.4041 TC3-2.4118 BAU .7000 SGT 6634.9 SGR 942.3 SG3 578.3 ST 3426.6 SR 287.7 SS 1936.1
 RDE -.0774 RRA .7276 RC3 -.2659 FAU .03530 RRT .9262 RRF .9042 RTF .9881 CRT .7437 CRS -.7106 CST -.9988
 FDE-2.7975 FRA 4.4913 FC3-1.4160 BSP 21557 SGB 6701.5 R23 -.0358 R13 .9878 LSA 3940.5 MSA 210.9 SSA 13.1
 BDE 2.4391 BRA 4.4638 BC3 2.4264 FSP -2046 SG1 6692.2 SG2 352.3 TMA 7.51 EL1 3433.3 EL2 192.0 ALF 3.58

LAUNCH DATE APR 19 1967

FLIGHT TIME 218.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 593.086

RL 150.24 LAL -0.00 LOL 208.26 VL 27.323 GAL 9.18 AZL 92.00 MCA 263.98 SMA 130.09 ECC .22100 INC 2.0005 V1 29.657
 RP 107.52 LAP 1.99 LOP 112.24 VP 38.061 GAP 7.99 AZP 89.79 TAL 142.96 TAP 46.93 RCA 101.34 APO 158.84 V2 35.246
 RC 118.080 GL -11.27 GP -15.87 ZAL 36.35 ZAP 151.34 ETS 330.40 ZAE 121.51 ETE 190.29 ZAC 130.78 ETC 7.03 CLP-155.82

PLANETOCENTRIC CONIC

C3 23.222 VHL 4.819 DLA -7.75 RAL 169.53 RAD 6567.9 VEL 12.025 PTH 2.15 VHP 6.113 DPA 3.43 RAP 135.47 ECC 1.3822
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 51 32 2007.75 -14.07 28.79 31.88 114.83 10 25 0 1407.8 -10.61 21.83
 90.00 19 52 50 5137.06 25.21 228.87 35.77 76.65 21 18 27 4537.1 23.12 220.82
 100.00 11 9 9 1757.38 -15.16 9.85 31.35 116.07 11 38 26 1157.4 -11.53 2.94
 100.00 21 17 55 4862.67 26.38 208.37 35.45 75.40 22 38 57 4262.7 24.11 200.30
 110.00 12 8 53 1570.37 -18.05 354.07 29.76 119.53 12 35 3 970.4 -13.98 347.32
 110.00 22 34 40 4622.44 29.51 189.09 34.41 71.91 23 51 43 4022.4 26.75 180.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5986 TRA 4.6508 TC3-2.2593 BAU .7049 SGT 6740.3 SGR 863.4 SG3 536.2 ST 3514.8 SR 255.4 SS 1885.6
 RDE -.0424 RRA .6952 RC3 -.2252 FAU .03081 RRT .9079 RRF .8836 RTF .9877 CRT .6408 CRS -.6055 CST -.9989
 FDE-2.7016 FRA 4.3286 FC3-1.1485 BSP 21853 SGB 6795.3 R23 -.0376 R13 .9875 LSA 3991.2 MSA 211.3 SSA 13.1
 BDE 2.5990 BRA 4.7024 BC3 2.2705 FSP -1891 SG1 6785.8 SG2 359.5 TMA 6.65 EL1 3518.6 EL2 195.8 ALF 2.67

LAUNCH DATE APR 19 1967

FLIGHT TIME 220.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 598.921

RL 150.24 LAL -0.00 LOL 208.26 VL 27.305 GAL 9.57 AZL 92.14 MCA 267.22 SMA 129.97 ECC .22652 INC 2.1445 V1 29.657
 RP 107.50 LAP 2.14 LOP 115.48 VP 38.051 GAP 8.55 AZP 89.90 TAL 142.34 TAP 49.56 RCA 100.53 APO 159.41 V2 35.250
 RC 120.312 GL -11.61 GP -15.04 ZAL 35.77 ZAP 153.34 ETS 329.29 ZAE 120.77 ETE 189.61 ZAC 129.42 ETC 7.89 CLP-157.73

PLANETOCENTRIC CONIC

C3 25.061 VHL 5.006 DLA -8.35 RAL 170.04 RAD 6568.0 VEL 12.101 PTH 2.17 VHP 6.400 DPA 3.88 RAP 136.93 ECC 1.4124
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 58 16 2007.29 -14.06 28.77 33.54 114.83 10 31 43 1407.3 -10.59 21.80
 90.00 19 50 13 5174.89 25.78 231.50 37.90 77.85 21 16 28 4574.9 23.84 223.36
 100.00 11 15 34 1757.92 -15.18 9.88 32.99 116.06 11 44 52 1157.9 -11.55 2.97
 100.00 21 15 37 4899.49 26.98 210.94 37.59 76.62 22 37 16 4299.5 24.87 202.77
 110.00 12 14 35 1573.11 -18.14 354.23 31.36 119.48 12 40 48 973.1 -14.08 347.47
 110.00 22 33 5 4657.07 30.22 191.54 36.60 73.20 23 50 42 4057.1 27.62 183.31

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7673 TRA 4.9055 TC3-2.1098 BAU .7098 SGT 6833.3 SGR 793.4 SG3 497.5 ST 3596.3 SR 231.2 SS 1838.4
 RDE -.0091 RRA .6654 RC3 -.1916 FAU .02689 RRT .8865 RRF .8599 RTF .9875 CRT .5128 CRS -.4760 CST -.9991
 FDE-2.6142 FRA 4.1760 FC3 -.9288 BSP 22218 SGB 6879.2 R23 -.0390 R13 .9873 LSA 4040.1 MSA 211.2 SSA 13.0
 BDE 2.7673 BRA 4.9504 BC3 2.1185 FSP -1757 SG1 6869.5 SG2 365.1 TMA 5.89 EL1 3598.3 EL2 198.4 ALF 1.89

LAUNCH DATE APR 20 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUN 29 1967

HELIOCENTRIC CONIC

DISTANCE 123.059

RL 150.28 LAL -.00 LOL 209.24 VL 13.849 GAL 35.81 AZL 87.74 MCA 28.58 SMA 84.30 ECC .86335 INC 2.2646 V1 29.649
 RP 108.42 LAP 1.08 LOP 237.80 VP 29.560 GAP -58.22 AZP 88.01 TAL 173.14 TAP 201.73 RCA 11.52 APO 157.07 V2 34.953
 RC 95.826 GL 1.27 GP 2.53 ZAL 67.52 ZAP 37.56 ETS 186.51 ZAE 133.36 ETE 178.26 ZAC 160.60 ETC 63.22 CLP 37.49

PLANETOCENTRIC CONIC

C3 397.775 VHL 19.944 DLA 15.47 RAL 144.53 RAD 6572.1 VEL 22.783 PTH 3.27 VHP 31.988 DPA 26.97 RAP 95.70 ECC 7.5464
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 6 12 3322.00 -24.17 119.16 57.20 74.79 6 1 34 2722.0 -26.03 110.98
 90.00 21 10 52 4960.60 21.91 217.00 43.71 71.59 22 33 32 4360.6 19.19 209.38
 100.00 6 36 1 3032.31 -25.99 98.40 57.74 74.68 7 26 34 2432.3 -27.84 90.09
 100.00 22 23 43 4725.52 23.69 199.07 43.06 71.21 23 42 29 4125.5 20.90 191.38
 110.00 8 3 9 2759.70 -30.77 79.20 59.25 74.31 8 49 9 2159.7 -32.61 70.47
 110.00 23 13 5 4570.88 28.37 185.51 41.23 70.07 24 29 16 3970.9 25.39 177.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8010 TRA-2.2202 TC3 -.1017 BAU .5408 SGT 809.6 SGR 463.6 SG3 21.8 ST 304.2 SR 425.3 SS 290.5
 RDE -1.4668 RRA -.6479 RC3 .0015 FAU .01113 RRT .0758 RRF -.0679 RTF -.6069 CRT -.6606 CRS -.6911 CST .9969
 FDE -.2865 FRA .7303 FC3 -.0242 BSP 1904 SGB 932.9 R23 .0002 R13 -.6073 LSA 547.3 MSA 240.9 SSA 14.1
 BDE 1.6712 BRA 2.3128 BC3 .1017 FSP -44 SGI 810.7 SG2 461.6 TMA 3.68 EL1 482.6 EL2 201.3 ALF 121.33

LAUNCH DATE APR 20 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 1 1967

HELIOCENTRIC CONIC

DISTANCE 128.161

RL 150.28 LAL -.00 LOL 209.24 VL 14.698 GAL 33.98 AZL 88.29 MCA 31.76 SMA 85.61 ECC .83947 INC 1.7148 V1 29.649
 RP 108.46 LAP .90 LOP 240.99 VP 29.952 GAP -55.68 AZP 88.54 TAL 172.24 TAP 204.00 RCA 13.74 APO 157.48 V2 34.941
 RC 93.418 GL 1.09 GP 2.59 ZAL 66.11 ZAP 36.04 ETS 186.74 ZAE 133.24 ETE 177.89 ZAC 159.67 ETC 59.30 CLP 35.96

PLANETOCENTRIC CONIC

C3 364.929 VHL 19.103 DLA 14.84 RAL 145.85 RAD 6572.0 VEL 22.051 PTH 3.24 VHP 30.869 DPA 27.04 RAP 97.56 ECC 7.0058
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 17 16 3290.68 -24.72 117.03 57.71 75.73 6 12 7 2690.7 -26.44 108.78
 90.00 21 10 19 4974.54 22.20 217.92 44.55 71.96 22 33 14 4374.5 19.53 210.26
 100.00 6 46 37 3002.52 -26.51 96.54 58.21 75.65 7 36 40 2402.5 -28.22 87.96
 100.00 22 23 39 4737.93 23.96 199.89 43.92 71.57 23 42 37 4137.9 21.22 192.17
 110.00 8 12 45 2733.01 -31.24 77.27 59.61 75.36 8 58 18 2133.0 -32.93 68.45
 110.00 23 14 0 4580.21 28.58 186.15 42.14 70.40 24 30 20 3980.2 25.64 178.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8162 TRA-2.2400 TC3 -.1087 BAU .5306 SGT 845.9 SGR 470.3 SG3 23.4 ST 321.8 SR 429.6 SS 307.0
 RDE -1.4182 RRA -.6461 RC3 .0021 FAU .01114 RRT .0800 RRF -.0722 RTF -.6253 CRT -.6625 CRS -.6968 CST .9968
 FDE -.3033 FRA .7569 FC3 -.0264 BSP 2033 SGB 967.9 R23 -.0001 R13 -.6257 LSA 566.5 MSA 247.5 SSA 14.4
 BDE 1.6363 BRA 2.3313 BC3 .1088 FSP -48 SGI 847.1 SG2 468.1 TMA 3.67 EL1 494.2 EL2 209.5 ALF 123.07

LAUNCH DATE APR 20 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 3 1967

HELIOCENTRIC CONIC

DISTANCE 133.401

RL 150.28 LAL -.00 LOL 209.24 VL 15.499 GAL 32.32 AZL 88.74 MCA 34.94 SMA 86.97 ECC .81504 INC 1.2558 V1 29.649
 RP 108.50 LAP .72 LOP 244.17 VP 30.340 GAP -53.27 AZP 88.97 TAL 171.33 TAP 206.27 RCA 16.09 APO 157.85 V2 34.929
 RC 91.019 GL .90 GP 2.65 ZAL 64.74 ZAP 34.55 ETS 187.00 ZAE 133.19 ETE 177.49 ZAC 158.64 ETC 55.68 CLP 34.46

PLANETOCENTRIC CONIC

C3 334.965 VHL 18.302 DLA 14.21 RAL 147.11 RAD 6571.9 VEL 21.360 PTH 3.21 VHP 29.788 DPA 27.09 RAP 99.45 ECC 6.5127
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 28 2 3259.01 -25.23 114.85 58.10 76.70 6 22 21 2659.0 -26.81 106.54
 90.00 21 9 37 4987.81 22.48 218.79 45.30 72.31 22 32 45 4387.8 19.85 211.10
 100.00 6 56 56 2972.31 -27.00 94.23 58.56 76.66 7 46 28 2372.3 -28.57 85.78
 100.00 22 23 24 4749.75 24.21 200.68 44.69 71.91 23 42 34 4149.7 21.51 192.92
 110.00 8 22 6 2705.82 -31.69 75.28 59.85 76.46 9 7 12 2105.8 -33.23 66.39
 110.00 23 14 43 4589.01 28.78 186.76 42.96 70.70 24 31 12 3989.0 25.88 178.78

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8305 TRA-2.2607 TC3 -.1160 BAU .5198 SGT 883.7 SGR 476.5 SG3 25.2 ST 340.2 SR 433.3 SS 323.8
 RDE -1.3696 RRA -.6429 RC3 .0029 FAU .01117 RRT .0845 RRF -.0768 RTF -.6431 CRT -.6638 CRS -.7019 CST .9967
 FDE -.3203 FRA .7838 FC3 -.0289 BSP 2161 SGB 1004.0 R23 -.0005 R13 -.6435 LSA 586.3 MSA 253.8 SSA 14.6
 BDE 1.6017 BRA 2.3504 BC3 .1161 FSP -53 SGI 885.0 SG2 474.1 TMA 3.66 EL1 505.9 EL2 217.9 ALF 124.90

LAUNCH DATE APR 20 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 5 1967

HELIOCENTRIC CONIC

DISTANCE 138.772

RL 150.28 LAL -.00 LOL 209.24 VL 16.255 GAL 30.80 AZL 89.14 MCA 38.12 SMA 88.36 ECC .79026 INC .8648 V1 29.649
 RP 108.53 LAP .53 LOP 247.35 VP 30.719 GAP -50.99 AZP 89.32 TAL 170.41 TAP 208.53 RCA 18.53 APO 158.19 V2 34.917
 RC 88.632 GL .69 GP 2.71 ZAL 63.42 ZAP 33.08 ETS 187.28 ZAE 133.19 ETE 177.06 ZAC 157.52 ETC 52.37 CLP 32.98

PLANETOCENTRIC CONIC

C3 307.591 VHL 17.538 DLA 13.56 RAL 148.31 RAD 6571.8 VEL 20.710 PTH 3.18 VHP 28.744 DPA 27.13 RAP 101.37 ECC 6.0622
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 38 30 3226.94 -25.71 112.63 58.36 77.71 6 32 17 2626.9 -27.15 104.25
 90.00 21 8 45 5000.43 22.74 219.62 45.97 72.65 22 32 6 4400.4 20.15 211.91
 100.00 7 6 58 2941.66 -27.46 92.07 58.79 77.71 7 56 0 2341.7 -28.88 83.55
 100.00 22 22 59 4760.95 24.44 201.43 45.38 72.24 23 42 20 4160.9 21.79 193.64
 110.00 8 31 12 2678.09 -32.11 73.23 59.96 77.61 9 15 50 2078.1 -33.49 64.26
 110.00 23 15 14 4597.27 28.96 187.33 43.70 71.00 24 31 51 3997.3 26.10 179.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8437 TRA-2.2824 TC3 -.1236 BAU .5086 SGT 923.2 SGR 482.2 SG3 27.1 ST 359.3 SR 436.4 SS 341.1
 RDE -1.3212 RRA -.6383 RC3 .0038 FAU .01120 RRT .0893 RRF -.0815 RTF -.6603 CRT -.6644 CRS -.7065 CST .9965
 FDE -.3377 FRA .8111 FC3 -.0315 BSP 2286 SGB 1041.6 R23 -.0007 R13 -.6607 LSA 606.8 MSA 259.7 SSA 14.8
 BDE 1.5676 BRA 2.3699 BC3 .1237 FSP -58 SGI 924.6 SG2 479.5 TMA 3.66 EL1 518.0 EL2 226.2 ALF 126.80

LAUNCH DATE APR 20 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 7 1967

HELIOCENTRIC CONIC

DISTANCE 144.265

RL 150.28 LAL -.00 LOL 209.24 VL 16.969 GAL 29.40 AZL 89.47 MCA 41.29 SMA 89.78 ECC .76531 INC .5255 V1 29.649
 RP 108.57 LAP .35 LOP 250.53 VP 31.089 GAP -48.83 AZP 89.60 TAL 169.50 TAP 210.79 RCA 21.07 APO 158.49 V2 34.905
 RC 86.259 GL .46 GP 2.78 ZAL 62.15 ZAP 31.64 ETS 187.59 ZAE 133.27 ETE 176.59 ZAC 156.30 ETC 49.36 CLP 31.53

PLANETOCENTRIC CONIC

C3 282.550 VML 16.809 DLA 12.92 RAL 149.46 RAD 6571.6 VEL 20.096 PTH 3.14 VMP 27.733 DPA 27.14 RAP 103.31 ECC 5.6501
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 48 42 3194.43 -26.17 110.35 58.51 78.77 6 41 56 2594.4 -27.45 101.92
 90.00 21 7 44 5012.38 22.98 220.42 46.56 72.98 22 31 16 4412.4 20.43 212.67
 100.00 7 16 44 2910.52 -27.89 89.85 58.89 78.79 8 5 14 2310.5 -29.16 81.28
 100.00 22 22 23 4771.53 24.66 202.14 45.99 72.55 23 41 54 4171.5 22.04 194.32
 110.00 8 40 3 2649.82 -32.51 71.12 59.95 78.80 9 24 13 2049.8 -33.71 62.09
 110.00 23 15 33 4605.00 29.13 187.87 44.35 71.27 24 32 18 4005.0 26.30 179.83

DIFFERENTIAL CORRECTIONS

TDE .8569 TRA-2.3037 TC3 -.1314 BAU .4967
 RDE-1.2729 RRA -.6325 RC3 .0049 FAU .01125
 FDE -.3554 FRA .8388 FC3 -.0345 BSP 2426
 BDE 1.5344 BRA 2.3890 BC3 .1315 FSP -63

MID-COURSE EXECUTION ACCURACY

SGT 964.1 SGR 487.3 SG3 29.2
 RRT .0941 RRF -.0864 RTF -.6770
 SGB 1080.2 R23 -.0012 R13 -.6774
 SGI 965.6 SG2 484.4 TMA 3.64

ORBIT DETERMINATION ACCURACY

ST 379.3 SR 438.9 SS 358.9
 CRT -.6648 CRS -.7107 CST .9963
 LSA 628.3 MSA 265.3 SSA 15.0
 EL1 530.7 EL2 234.4 ALF 128.79

LAUNCH DATE APR 20 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 9 1967

HELIOCENTRIC CONIC

DISTANCE 149.873

RL 150.28 LAL -.00 LOL 209.24 VL 17.642 GAL 28.09 AZL 89.77 MCA 44.47 SMA 91.21 ECC .74034 INC .2266 V1 29.649
 RP 108.60 LAP .16 LOP 253.71 VP 31.449 GAP -46.78 AZP 89.84 TAL 168.59 TAP 213.06 RCA 23.68 APO 158.74 V2 34.894
 RC 83.901 GL .22 GP 2.86 ZAL 60.92 ZAP 30.22 ETS 187.94 ZAE 133.40 ETE 176.10 ZAC 155.01 ETC 46.62 CLP 30.09

PLANETOCENTRIC CONIC

C3 259.620 VML 16.113 DLA 12.27 RAL 150.55 RAD 6571.5 VEL 19.517 PTH 3.11 VMP 26.753 DPA 27.14 RAP 105.28 ECC 5.2727
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 58 37 3161.44 -26.58 108.03 58.53 79.86 6 51 19 2561.4 -27.71 99.54
 90.00 21 6 32 5023.68 23.20 221.17 47.06 73.30 22 30 16 4423.7 20.69 213.40
 100.00 7 26 15 2878.85 -28.29 87.59 58.88 79.93 8 14 13 2278.9 -29.39 78.95
 100.00 22 21 36 4781.51 24.86 202.81 46.50 72.85 23 41 17 4181.5 22.28 194.97
 110.00 8 48 40 2620.96 -32.87 68.94 59.82 80.04 9 32 21 2021.0 -33.89 59.85
 110.00 23 15 40 4612.17 29.29 188.37 44.91 71.53 24 32 32 4012.2 26.49 180.31

DIFFERENTIAL CORRECTIONS

TDE .8694 TRA-2.3253 TC3 -.1393 BAU .4841
 RDE-1.2247 RRA -.6254 RC3 .0061 FAU .01131
 FDE -.3735 FRA .8670 FC3 -.0377 BSP 2573
 BDE 1.5019 BRA 2.4079 BC3 .1395 FSP -69

MID-COURSE EXECUTION ACCURACY

SGT 1006.6 SGR 491.8 SG3 31.4
 RRT .0992 RRF -.0916 RTF -.6931
 SGB 1120.3 R23 -.0017 R13 -.6935
 SGI 1008.1 SG2 488.6 TMA 3.63

ORBIT DETERMINATION ACCURACY

ST 400.2 SR 440.8 SS 377.1
 CRT -.6649 CRS -.7144 CST .9961
 LSA 650.6 MSA 270.4 SSA 15.2
 EL1 543.9 EL2 242.3 ALF 130.86

LAUNCH DATE APR 20 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 11 1967

HELIOCENTRIC CONIC

DISTANCE 155.589

RL 150.28 LAL -.00 LOL 209.24 VL 18.276 GAL 26.87 AZL 90.04 MCA 47.64 SMA 92.67 ECC .71548 INC .0350 V1 29.649
 RP 108.64 LAP -.03 LOP 256.88 VP 31.797 GAP -44.83 AZP 90.03 TAL 167.69 TAP 215.34 RCA 26.37 APO 158.97 V2 34.883
 RC 81.561 GL -.04 GP 2.94 ZAL 59.74 ZAP 28.82 ETS 188.33 ZAE 133.61 ETE 175.56 ZAC 153.65 ETC 44.13 CLP 28.68

PLANETOCENTRIC CONIC

C3 238.603 VML 15.447 DLA 11.61 RAL 151.59 RAD 6571.4 VEL 18.972 PTH 3.08 VMP 25.805 DPA 27.12 RAP 107.27 ECC 4.9268
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 8 17 3127.93 -26.96 105.65 58.44 81.00 7 0 25 2527.9 -27.93 97.11
 90.00 21 5 10 5034.34 23.41 221.88 47.47 73.60 22 29 4 4434.3 20.94 214.08
 100.00 7 35 30 2846.63 -28.65 85.26 58.74 81.10 8 22 57 2246.6 -29.59 76.58
 100.00 22 20 38 4790.87 25.05 203.45 46.93 73.13 23 40 29 4190.9 22.50 195.57
 110.00 8 57 3 2591.48 -33.19 66.70 59.56 81.33 9 40 14 1991.5 -34.04 57.56
 110.00 23 15 35 4618.79 29.43 188.83 45.38 71.77 24 32 33 4018.8 26.66 180.74

DIFFERENTIAL CORRECTIONS

TDE .8816 TRA-2.3465 TC3 -.1474 BAU .4708
 RDE-1.1768 RRA -.6172 RC3 .0075 FAU .01139
 FDE -.3920 FRA .8957 FC3 -.0413 BSP 2732
 BDE 1.4704 BRA 2.4263 BC3 .1476 FSP -75

MID-COURSE EXECUTION ACCURACY

SGT 1050.6 SGR 495.7 SG3 33.7
 RRT .1044 RRF -.0970 RTF -.7087
 SGB 1161.7 R23 -.0023 R13 -.7091
 SGI 1052.3 SG2 492.2 TMA 3.61

ORBIT DETERMINATION ACCURACY

ST 422.1 SR 442.1 SS 395.8
 CRT -.6648 CRS -.7178 CST .9959
 LSA 674.0 MSA 275.1 SSA 15.4
 EL1 557.8 EL2 249.9 ALF 133.01

LAUNCH DATE APR 20 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 13 1967

HELIOCENTRIC CONIC

DISTANCE 161.406

RL 150.28 LAL -.00 LOL 209.24 VL 18.874 GAL 25.72 AZL 90.28 MCA 50.81 SMA 94.13 ECC .69083 INC .2799 V1 29.649
 RP 108.67 LAP -.22 LOP 260.05 VP 32.133 GAP -42.96 AZP 90.18 TAL 166.80 TAP 217.62 RCA 29.10 APO 159.15 V2 34.872
 RC 79.241 GL -.32 GP 3.03 ZAL 58.61 ZAP 27.44 ETS 188.78 ZAE 133.88 ETE 174.98 ZAC 152.23 ETC 41.88 CLP 27.29

PLANETOCENTRIC CONIC

C3 219.327 VML 14.810 DLA 10.95 RAL 152.58 RAD 6571.3 VEL 18.457 PTH 3.04 VMP 24.885 DPA 27.08 RAP 109.27 ECC 4.6096
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 17 42 3093.84 -27.30 103.21 58.22 82.18 7 9 16 2493.8 -28.10 94.64
 90.00 21 3 36 5044.38 23.60 222.56 47.80 73.88 22 27 41 4444.4 21.16 214.73
 100.00 7 44 31 2813.81 -28.98 82.87 58.47 82.32 8 31 25 2213.8 -29.74 74.15
 100.00 22 19 28 4799.65 25.22 204.04 47.27 73.40 23 39 27 4199.6 22.71 196.15
 110.00 9 5 12 2561.35 -33.48 64.40 59.17 82.66 9 47 53 1961.4 -34.13 55.22
 110.00 23 15 17 4624.87 29.56 189.26 45.75 72.00 24 32 21 4024.9 26.82 181.15

DIFFERENTIAL CORRECTIONS

TDE .8932 TRA-2.3671 TC3 -.1556 BAU .4570
 RDE-1.1291 RRA -.6080 RC3 .0092 FAU .01149
 FDE -.4110 FRA .9249 FC3 -.0453 BSP 2899
 BDE 1.4397 BRA 2.4439 BC3 .1559 FSP -82

MID-COURSE EXECUTION ACCURACY

SGT 1096.3 SGR 499.0 SG3 36.3
 RRT .1097 RRF -.1027 RTF -.7237
 SGB 1204.5 R23 -.0029 R13 -.7241
 SGI 1098.0 SG2 495.2 TMA 3.59

ORBIT DETERMINATION ACCURACY

ST 444.9 SR 442.7 SS 415.0
 CRT -.6644 CRS -.7209 CST .9956
 LSA 698.5 MSA 279.2 SSA 15.6
 EL1 572.5 EL2 257.1 ALF 135.21

LAUNCH DATE APR 20 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 15 1967

HELIOCENTRIC CONIC

RL 150.28 LAL -.00 LOL 209.24 VL 19.438 GAL 24.64 AZL 90.50 HCA 53.99 SMA 95.59 ECC .66651 INC .4997 V1 29.649
 RP 108.70 LAP -.40 LOP 263.22 VP 32.457 GAP -41.18 AZP 90.29 TAL 165.92 TAP 219.91 RCA 31.88 APO 159.30 V2 34.862
 RC 76.944 GL -.62 GP 3.13 ZAL 57.52 ZAP 26.09 ETS 189.28 ZAE 134.23 ETE 174.35 ZAC 150.75 ETC 39.83 CLP 25.91

PLANETOCENTRIC CONIC

C3 201.637 VHL 14.200 DLA 10.28 RAL 153.51 RAD 6571.1 VEL 17.971 PTH 3.00 VHP 23.993 DPA 27.02 RAP 111.29 ECC 4.3184
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 26 52 3059.14 -27.60 100.71 57.87 83.39 7 17 51 2459.1 -28.23 92.10
 90.00 21 1 51 5053.82 23.78 223.19 48.03 74.15 22 26 5 4453.8 21.38 215.34
 100.00 7 53 19 2780.34 -29.26 80.42 58.09 83.58 8 39 39 2180.3 -29.84 71.67
 100.00 22 18 6 4807.85 25.38 204.60 47.52 73.66 23 38 14 4207.9 22.90 196.68
 110.00 9 13 8 2530.54 -33.72 62.02 58.66 84.05 9 55 19 1930.5 -34.18 52.81
 110.00 23 14 46 4630.41 29.68 189.65 46.04 72.20 24 31 56 4030.4 26.96 181.52

DIFFERENTIAL CORRECTIONS

TDE .9044 TRA-2.3870 TC3 -.1639 BAU .4427
 RDE -1.0817 RRA -.5979 RC3 .0110 FAU .01160
 FDE -.4305 FRA .9547 FC3 -.0498 BSP 3076
 BDE 1.4100 BRA 2.4608 BC3 .1642 FSP -89

MID-COURSE EXECUTION ACCURACY

SGT 1143.6 SGR 501.6 SG3 39.0
 RRT .1153 RRF -.1087 RTF -.7382
 SGB 1248.8 R23 -.0037 R13 -.7386
 SGI 1145.4 SG2 497.5 TMA 3.57

ORBIT DETERMINATION ACCURACY

ST 468.6 SR 442.6 SS 434.8
 CRT -.6638 CRS -.7236 CST .9953
 LSA 724.1 MSA 282.8 SSA 15.8
 EL1 588.2 EL2 263.7 ALF 137.46

LAUNCH DATE APR 20 1967

FLIGHT TIME 88.00

ARRIVAL DATE JUL 17 1967

HELIOCENTRIC CONIC

RL 150.28 LAL -.00 LOL 209.24 VL 19.970 GAL 23.61 AZL 90.70 HCA 57.16 SMA 97.06 ECC .64258 INC .7026 V1 29.649
 RP 108.73 LAP -.59 LOP 266.39 VP 32.768 GAP -39.48 AZP 90.38 TAL 165.05 TAP 222.21 RCA 34.69 APO 159.42 V2 34.853
 RC 74.673 GL -.94 GP 3.24 ZAL 56.47 ZAP 24.75 ETS 189.86 ZAE 134.65 ETE 173.66 ZAC 149.22 ETC 37.98 CLP 24.55

PLANETOCENTRIC CONIC

C3 185.398 VHL 13.616 DLA 9.61 RAL 154.39 RAD 6571.0 VEL 17.513 PTH 2.97 VHP 23.127 DPA 26.94 RAP 113.32 ECC 4.0512
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 35 49 3023.77 -27.85 98.16 57.41 84.65 7 26 13 2423.8 -28.30 89.52
 90.00 20 59 54 5062.71 23.94 223.79 48.18 74.41 22 24 17 4462.7 21.57 215.92
 100.00 8 1 53 2746.19 -29.49 77.91 57.58 84.88 8 47 39 2146.2 -29.89 69.13
 100.00 22 16 31 4815.52 25.53 205.12 47.68 73.89 23 36 47 4215.5 23.07 197.18
 110.00 9 20 52 2499.02 -33.92 59.58 58.02 85.48 10 2 31 1899.0 -34.17 50.35
 110.00 23 14 2 4635.46 29.78 190.00 46.23 72.39 24 31 17 4035.5 27.08 181.85

DIFFERENTIAL CORRECTIONS

TDE .9128 TRA-2.4084 TC3 -.1726 BAU .4291
 RDE -1.0348 RRA -.5870 RC3 .0131 FAU .01172
 FDE -.4504 FRA .9855 FC3 -.0547 BSP 3210
 BDE 1.3799 BRA 2.4788 BC3 .1731 FSP -97

MID-COURSE EXECUTION ACCURACY

SGT 1193.7 SGR 503.6 SG3 41.9
 RRT .1221 RRF -.1154 RTF -.7517
 SGB 1295.6 R23 -.0042 R13 -.7521
 SGI 1195.6 SG2 499.1 TMA 3.57

ORBIT DETERMINATION ACCURACY

ST 492.8 SR 441.9 SS 455.0
 CRT -.6618 CRS -.7258 CST .9949
 LSA 750.3 MSA 286.2 SSA 16.0
 EL1 604.2 EL2 270.2 ALF 139.69

LAUNCH DATE APR 20 1967

FLIGHT TIME 90.00

ARRIVAL DATE JUL 19 1967

HELIOCENTRIC CONIC

RL 150.28 LAL -.00 LOL 209.24 VL 20.471 GAL 22.63 AZL 90.89 HCA 60.32 SMA 98.52 ECC .61912 INC .8911 V1 29.649
 RP 108.76 LAP -.77 LOP 269.56 VP 33.067 GAP -37.85 AZP 90.44 TAL 164.20 TAP 224.53 RCA 37.52 APO 159.51 V2 34.844
 RC 72.433 GL -1.29 GP 3.36 ZAL 55.47 ZAP 23.43 ETS 190.52 ZAE 135.15 ETE 172.92 ZAC 147.65 ETC 36.29 CLP 23.21

PLANETOCENTRIC CONIC

C3 170.494 VHL 13.057 DLA 8.92 RAL 155.21 RAD 6570.8 VEL 17.083 PTH 2.93 VHP 22.288 DPA 26.84 RAP 115.37 ECC 3.8059
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 44 34 2987.70 -28.05 95.54 56.83 85.95 7 34 21 2387.7 -28.32 86.88
 90.00 20 57 44 5071.09 24.09 224.36 48.24 74.65 22 22 15 4471.1 21.75 216.47
 100.00 8 10 15 2711.32 -29.67 75.34 56.96 86.22 8 55 27 2111.3 -29.88 66.54
 100.00 22 14 44 4822.70 25.66 205.61 47.76 74.12 23 35 6 4222.7 23.24 197.65
 110.00 9 28 24 2466.75 -34.06 57.07 57.27 86.96 10 9 31 1866.7 -34.11 47.83
 110.00 23 13 4 4640.03 29.87 190.33 46.33 72.56 24 30 24 4040.0 27.20 182.16

DIFFERENTIAL CORRECTIONS

TDE .9009 TRA-2.4486 TC3 -.1861 BAU .4256
 RDE -.9888 RRA -.5758 RC3 .0154 FAU .01173
 FDE -.4681 FRA 1.0198 FC3 -.0596 BSP 2874
 BDE 1.3377 BRA 2.5154 BC3 .1867 FSP -99

MID-COURSE EXECUTION ACCURACY

SGT 1255.1 SGR 505.2 SG3 45.0
 RRT .1372 RRF -.1253 RTF -.7617
 SGB 1353.0 R23 -.0011 R13 -.7620
 SGI 1257.4 SG2 499.6 TMA 3.76

ORBIT DETERMINATION ACCURACY

ST 512.8 SR 440.6 SS 474.3
 CRT -.6484 CRS -.7250 CST .9933
 LSA 772.3 MSA 292.2 SSA 16.3
 EL1 615.7 EL2 279.4 ALF 141.61

LAUNCH DATE APR 20 1967

FLIGHT TIME 92.00

ARRIVAL DATE JUL 21 1967

HELIOCENTRIC CONIC

RL 150.28 LAL -.00 LOL 209.24 VL 20.944 GAL 21.70 AZL 91.07 HCA 63.49 SMA 99.97 ECC .59616 INC 1.0680 V1 29.649
 RP 108.79 LAP -.96 LOP 272.73 VP 33.352 GAP -36.29 AZP 90.48 TAL 163.37 TAP 226.86 RCA 40.37 APO 159.57 V2 34.835
 RC 70.227 GL -1.66 GP 3.48 ZAL 54.52 ZAP 22.13 ETS 191.28 ZAE 135.73 ETE 172.10 ZAC 146.04 ETC 34.76 CLP 21.87

PLANETOCENTRIC CONIC

C3 156.769 VHL 12.521 DLA 8.23 RAL 155.98 RAD 6570.7 VEL 16.676 PTH 2.89 VHP 21.471 DPA 26.73 RAP 117.43 ECC 3.5800
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 53 5 2950.88 -28.20 92.85 56.13 87.29 7 42 16 2350.9 -28.28 84.19
 90.00 20 55 20 5078.92 24.23 224.89 48.20 74.89 22 19 59 4478.9 21.92 216.98
 100.00 8 18 24 2675.68 -29.81 72.69 56.21 87.61 9 3 0 2075.7 -29.82 63.89
 100.00 22 12 42 4829.35 25.78 206.07 47.73 74.33 23 33 11 4229.3 23.39 198.09
 110.00 9 35 44 2433.69 -34.15 54.50 56.39 88.48 10 16 17 1833.7 -33.99 45.26
 110.00 23 11 51 4644.10 29.96 190.62 46.33 72.71 24 29 15 4044.1 27.30 182.43

DIFFERENTIAL CORRECTIONS

TDE .9776 TRA-2.3980 TC3 -.1776 BAU .3742
 RDE -.9410 RRA -.5619 RC3 .0185 FAU .01234
 FDE -.4920 FRA 1.0426 FC3 -.0681 BSP 4689
 BDE 1.3569 BRA 2.4629 BC3 .1785 FSP -128

MID-COURSE EXECUTION ACCURACY

SGT 1275.6 SGR 505.1 SG3 48.4
 RRT .1161 RRF -.1232 RTF -.7850
 SGB 1372.0 R23 -.0156 R13 -.7855
 SGI 1277.2 SG2 501.0 TMA 3.11

ORBIT DETERMINATION ACCURACY

ST 557.6 SR 437.6 SS 501.5
 CRT -.6833 CRS -.7358 CST .9963
 LSA 820.4 MSA 283.8 SSA 15.9
 EL1 654.5 EL2 272.2 ALF 144.85

LAUNCH DATE APR 20 1967

FLIGHT TIME 94.00

ARRIVAL DATE JUL 23 1967

HELIOCENTRIC CONIC

DISTANCE 191.792

RL 150.28 LAL -1.00 LOL 209.24 VL 21.389 GAL 20.82 AZL 91.24 MCA 66.66 SMA 101.41 ECC .57380 INC 1.2355 V1 29.649
 RP 108.81 LAP -1.13 LOP 275.89 VP 33.625 GAP -34.80 AZP 90.49 TAL 162.55 TAP 229.21 RCA 43.22 APO 159.59 V2 34.827
 RC 68.060 GL -2.06 GP 3.62 ZAL 53.61 ZAP 20.85 ETS 192.17 ZAE 136.39 ETE 171.21 ZAC 144.39 ETC 33.36 CLP 20.55

PLANETOCENTRIC CONIC

C3 144.202 VML 12.008 CLA 7.53 RAL 156.69 RAD 6570.6 VEL 16.295 PTH 2.85 VMP 20.680 DPA 26.60 RAP 119.49 ECC 3.3732
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 1 26 2913.26 -28.29 90.10 55.32 88.66 7 49 59 2313.3 -28.17 81.44
 90.00 20 52 41 5086.43 24.37 225.40 48.08 75.11 22 17 28 4486.4 22.08 217.47
 100.00 8 26 23 2639.24 -29.88 69.99 55.36 89.03 9 10 23 2039.2 -29.69 61.19
 100.00 22 10 25 4835.68 25.90 206.50 47.62 74.53 23 31 1 4235.7 23.53 198.51
 110.00 9 42 53 2399.84 -34.18 51.85 55.40 90.04 10 22 53 1799.8 -33.80 42.63
 110.00 23 10 24 4647.85 30.03 190.88 46.25 72.85 24 27 52 4047.9 27.39 182.69

DIFFERENTIAL CORRECTIONS

TDE .9544 TRA-2.4459 TC3 -.1936 BAU .3754
 RDE -.8961 RRA -.5498 RC3 .0215 FAU .01233
 FDE -.5168 FRA 1.0800 FC3 -.0740 BSP 4126
 BDE 1.3092 BRA 2.5070 BC3 .1947 FSP -129

MID-COURSE EXECUTION ACCURACY

SGT 1345.1 SGR 505.5 SG3 52.0
 RRT .1365 RRF -.1356 RTF -.7921
 SGB 1436.9 R23 -.0102 R13 -.7925
 SG1 1347.1 SG2 500.0 THA 3.41

ORBIT DETERMINATION ACCURACY

ST 576.4 SR 434.9 SS 521.4
 CRT -.6650 CRS -.7333 CST .9945
 LSA 842.0 MSA 290.0 SSA 16.3
 EL1 664.9 EL2 281.6 ALF 146.62

LAUNCH DATE APR 20 1967

FLIGHT TIME 96.00

ARRIVAL DATE JUL 25 1967

HELIOCENTRIC CONIC

DISTANCE 198.089

RL 150.28 LAL -1.00 LOL 209.24 VL 21.808 GAL 19.97 AZL 91.40 MCA 69.82 SMA 102.83 ECC .55204 INC 1.3949 V1 29.649
 RP 108.83 LAP -1.31 LOP 279.06 VP 33.886 GAP -33.36 AZP 90.48 TAL 161.75 TAP 231.57 RCA 46.06 APO 159.60 V2 34.820
 RC 65.936 GL -2.48 GP 3.77 ZAL 52.75 ZAP 19.59 ETS 193.21 ZAE 137.14 ETE 170.23 ZAC 142.72 ETC 32.08 CLP 19.24

PLANETOCENTRIC CONIC

C3 132.650 VML 11.517 CLA 6.81 RAL 157.35 RAD 6570.4 VEL 15.937 PTH 2.82 VMP 19.912 DPA 26.45 RAP 121.56 ECC 3.1831
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 9 36 2874.81 -28.32 87.29 54.40 90.07 7 57 31 2274.8 -28.01 78.64
 90.00 20 49 47 5093.58 24.49 225.89 47.87 75.32 22 14 41 4493.6 22.24 217.94
 100.00 8 34 12 2601.97 -29.89 67.22 54.39 90.49 9 17 34 2002.0 -29.50 58.43
 100.00 22 7 53 4841.66 26.01 206.91 47.42 74.72 23 28 35 4241.7 23.66 198.90
 110.00 9 49 52 2365.14 -34.15 49.14 54.29 91.65 10 29 17 1765.1 -33.54 39.95
 110.00 23 8 42 4651.25 30.10 191.12 46.08 72.98 24 26 13 4051.2 27.48 182.31

DIFFERENTIAL CORRECTIONS

TDE .9624 TRA-2.4605 TC3 -.2011 BAU .3594
 RDE -.8511 RRA -.5366 RC3 .0249 FAU .01255
 FDE -.5401 FRA 1.1140 FC3 -.0819 BSP 4331
 BDE 1.2847 BRA 2.5184 BC3 .2027 FSP -140

MID-COURSE EXECUTION ACCURACY

SGT 1401.3 SGR 504.8 SG3 55.9
 RRT .1443 RRF -.1442 RTF -.8038
 SGB 1489.4 R23 -.0115 R13 -.8042
 SG1 1403.4 SG2 498.7 THA 3.41

ORBIT DETERMINATION ACCURACY

ST 605.1 SR 431.0 SS 544.7
 CRT -.6629 CRS -.7345 CST .9941
 LSA 874.0 MSA 290.7 SSA 16.4
 EL1 686.3 EL2 284.5 ALF 148.78

LAUNCH DATE APR 20 1967

FLIGHT TIME 98.00

ARRIVAL DATE JUL 27 1967

HELIOCENTRIC CONIC

DISTANCE 204.447

RL 150.28 LAL -1.00 LOL 209.24 VL 22.203 GAL 19.16 AZL 91.55 MCA 72.99 SMA 104.23 ECC .53091 INC 1.5480 V1 29.649
 RP 108.85 LAP -1.48 LOP 282.22 VP 34.135 GAP -31.98 AZP 90.45 TAL 160.98 TAP 233.96 RCA 48.89 APO 159.57 V2 34.813
 RC 63.861 GL -2.94 GP 3.93 ZAL 51.94 ZAP 18.35 ETS 194.43 ZAE 137.98 ETE 169.15 ZAC 141.01 ETC 30.92 CLP 17.93

PLANETOCENTRIC CONIC

C3 122.044 VML 11.047 CLA 6.08 RAL 157.96 RAD 6570.3 VEL 15.601 PTH 2.78 VMP 19.166 DPA 26.29 RAP 123.64 ECC 3.0085
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 17 37 2835.49 -28.28 84.42 53.36 91.51 8 4 52 2235.5 -27.77 75.79
 90.00 20 46 36 5100.48 24.61 226.36 47.57 75.53 22 11 37 4500.5 22.38 218.40
 100.00 8 41 51 2563.82 -29.83 64.38 53.31 91.98 9 24 34 1963.8 -29.24 55.63
 100.00 22 5 4 4847.38 26.11 207.31 47.13 74.90 23 25 51 4247.4 23.78 199.28
 110.00 9 56 41 2329.58 -34.04 46.37 53.08 93.29 10 35 31 1729.6 -33.21 37.23
 110.00 23 6 42 4654.39 30.16 191.35 45.82 73.10 24 24 17 4054.4 27.55 183.13

DIFFERENTIAL CORRECTIONS

TDE .9672 TRA-2.4764 TC3 -.2093 BAU .3447
 RDE -.8066 RRA -.5231 RC3 .0288 FAU .01277
 FDE -.5640 FRA 1.1496 FC3 -.0906 BSP 4479
 BDE 1.2594 BRA 2.5310 BC3 .2113 FSP -151

MID-COURSE EXECUTION ACCURACY

SGT 1460.7 SGR 503.5 SG3 60.2
 RRT .1538 RRF -.1539 RTF -.8144
 SGB 1545.0 R23 -.0124 R13 -.8149
 SG1 1463.0 SG2 496.7 THA 3.43

ORBIT DETERMINATION ACCURACY

ST 634.0 SR 426.3 SS 568.7
 CRT -.6592 CRS -.7352 CST .9936
 LSA 906.6 MSA 291.2 SSA 16.6
 EL1 708.0 EL2 287.0 ALF 150.86

LAUNCH DATE APR 20 1967

FLIGHT TIME 100.00

ARRIVAL DATE JUL 29 1967

HELIOCENTRIC CONIC

DISTANCE 210.860

RL 150.28 LAL -1.00 LOL 209.24 VL 22.574 GAL 18.39 AZL 91.70 MCA 76.15 SMA 105.61 ECC .51046 INC 1.6960 V1 29.649
 RP 108.87 LAP -1.65 LOP 285.38 VP 34.372 GAP -30.65 AZP 90.41 TAL 160.22 TAP 236.37 RCA 51.70 APO 159.53 V2 34.807
 RC 61.839 GL -3.43 GP 4.11 ZAL 51.18 ZAP 17.12 ETS 195.88 ZAE 138.90 ETE 167.95 ZAC 139.28 ETC 29.85 CLP 16.64

PLANETOCENTRIC CONIC

C3 112.311 VML 10.598 CLA 5.33 RAL 158.51 RAD 6570.1 VEL 15.286 PTH 2.74 VMP 18.442 DPA 26.12 RAP 125.71 ECC 2.8484
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 25 29 2795.26 -28.17 81.48 52.23 92.98 8 12 4 2195.3 -27.46 72.88
 90.00 20 43 8 5107.23 24.72 226.82 47.19 75.73 22 8 15 4507.2 22.52 218.84
 100.00 8 49 20 2524.77 -29.71 61.49 52.13 93.50 9 31 25 1924.8 -28.90 52.77
 100.00 22 1 57 4852.95 26.21 207.69 46.76 75.08 23 22 50 4253.0 23.90 199.65
 110.00 10 3 21 2293.14 -33.87 43.54 51.77 94.95 10 41 34 1693.1 -32.81 34.46
 110.00 23 4 26 4657.35 30.22 191.56 45.47 73.21 24 22 3 4057.3 27.63 183.33

DIFFERENTIAL CORRECTIONS

TDE .9714 TRA-2.4904 TC3 -.2171 BAU .3298
 RDE -.7627 RRA -.5094 RC3 .0332 FAU .01302
 FDE -.5891 FRA 1.1863 FC3 -.1004 BSP 4631
 BDE 1.2350 BRA 2.5420 BC3 .2196 FSP -163

MID-COURSE EXECUTION ACCURACY

SGT 1521.9 SGR 501.5 SG3 64.8
 RRT .1639 RRF -.1645 RTF -.8245
 SGB 1602.4 R23 -.0136 R13 -.8250
 SG1 1524.4 SG2 493.9 THA 3.46

ORBIT DETERMINATION ACCURACY

ST 663.8 SR 420.6 SS 593.7
 CRT -.6552 CRS -.7356 CST .9930
 LSA 940.7 MSA 291.1 SSA 16.7
 EL1 730.9 EL2 288.6 ALF 152.89

LAUNCH DATE APR 20 1967

FLIGHT TIME 102.00

ARRIVAL DATE JUL 31 1967

HELIOCENTRIC CONIC
 RL 150.28 LAL -1.00 LOL 209.24 VL 22.924 GAL 17.64 AZL 91.84 MCA 79.31 SMA 106.97 ECC .49068 INC 1.8399 VI 29.649
 RP 108.89 LAP -1.81 LOP 288.54 VP 34.597 GAP -29.37 AZP 90.34 TAL 159.49 TAP 238.81 RCA 54.48 APO 159.46 V2 34.802
 RC 59.876 GL -3.96 GP 4.31 ZAL 50.47 ZAP 15.92 ETS 197.61 ZAE 139.92 ETE 166.61 ZAC 137.53 ETC 28.87 CLP 15.34

PLANETOCENTRIC CONIC
 C3 103.381 VHL 10.168 DLA 4.57 RAL 159.00 RAD 6570.0 VEL 14.991 PTH 2.70 VHP 17.739 DPA 25.94 RAP 127.79 ECC 2.7014
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 33 13 2754.08 -27.99 78.48 51.00 94.48 8 19 7 2154.1 -27.08 69.93
 90.00 20 39 20 5113.94 24.83 227.28 46.73 75.94 22 4 34 4513.9 22.66 219.29
 100.00 8 56 42 2484.79 -29.50 58.53 50.85 95.04 9 38 7 1884.8 -28.49 49.87
 100.00 21 58 32 4858.47 26.30 208.08 46.31 75.26 23 19 30 4258.5 24.02 200.02
 110.00 10 9 52 2255.79 -33.61 40.65 50.36 96.64 10 47 28 1655.8 -32.33 31.66
 110.00 23 1 51 4660.23 30.28 191.76 45.04 73.32 24 19 31 4060.2 27.70 183.52

DIFFERENTIAL CORRECTIONS
 TDE .9762 TRA-2.5016 TC3 -.2241 BAU .3141
 RDE -.7194 RRA -.4957 RC3 .0381 FAU .01331
 FDE -.6157 FRA 1.2244 FC3 -.1115 BSP 4817
 BDE 1.2127 BRA 2.5503 BC3 .2273 FSP -177

MID-COURSE EXECUTION ACCURACY
 SGT 1584.4 SGR 498.9 SG3 69.7
 RRT .1746 RRF -.1760 RTF -.8343
 SGB 1661.0 R23 -.0152 R13 -.8348
 SGI 1587.0 SG2 490.4 THA 3.48

ORBIT DETERMINATION ACCURACY
 ST 694.8 SR 414.0 SS 619.8
 CRT -.6513 CRS -.7357 CST .9924
 LSA 976.6 MSA 290.3 SSA 16.8
 EL1 755.5 EL2 288.9 ALF 154.86

LAUNCH DATE APR 20 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 2 1967

HELIOCENTRIC CONIC
 RL 150.28 LAL -1.00 LOL 209.24 VL 23.253 GAL 16.93 AZL 91.98 MCA 82.47 SMA 108.30 ECC .47160 INC 1.9808 VI 29.649
 RP 108.90 LAP -1.96 LOP 291.71 VP 34.811 GAP -28.14 AZP 90.26 TAL 158.79 TAP 241.26 RCA 57.22 APO 159.37 V2 34.797
 RC 57.979 GL -4.52 GP 4.52 ZAL 49.81 ZAP 14.75 ETS 199.70 ZAE 141.03 ETE 165.11 ZAC 135.76 ETC 27.98 CLP 14.05

PLANETOCENTRIC CONIC
 C3 95.194 VHL 9.757 DLA 3.79 RAL 159.44 RAD 6569.9 VEL 14.715 PTH 2.66 VHP 17.057 DPA 25.75 RAP 129.87 ECC 2.5667
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 40 50 2711.92 -27.73 75.42 49.68 95.99 8 26 2 2111.9 -26.61 66.94
 90.00 20 35 11 5120.74 24.95 227.75 46.18 76.15 22 0 32 4520.7 22.80 219.74
 100.00 9 3 57 2443.84 -29.22 55.52 49.49 96.60 9 44 41 1843.8 -28.00 46.93
 100.00 21 54 45 4864.06 26.40 208.46 45.77 75.45 23 15 49 4264.1 24.14 200.39
 110.00 10 16 16 2217.52 -33.27 37.72 48.87 98.35 10 53 13 1617.5 -31.76 28.82
 110.00 22 58 56 4663.14 30.33 191.97 44.53 73.43 24 16 39 4063.1 27.77 183.72

DIFFERENTIAL CORRECTIONS
 TDE .9829 TRA-2.5087 TC3 -.2295 BAU .2972
 RDE -.6767 RRA -.4819 RC3 .0435 FAU .01365
 FDE -.6442 FRA 1.2635 FC3 -.1241 BSP 5059
 BDE 1.1933 BRA 2.5546 BC3 .2335 FSP -193

MID-COURSE EXECUTION ACCURACY
 SGT 1647.3 SGR 495.6 SG3 75.1
 RRT .1854 RRF -.1885 RTF -.8440
 SGB 1720.2 R23 -.0174 R13 -.8445
 SGI 1650.1 SG2 486.1 THA 3.50

ORBIT DETERMINATION ACCURACY
 ST 727.7 SR 406.4 SS 647.3
 CRT -.6483 CRS -.7357 CST .9920
 LSA 1015.0 MSA 288.4 SSA 16.9
 EL1 782.2 EL2 287.9 ALF 156.77

LAUNCH DATE APR 20 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 4 1967

HELIOCENTRIC CONIC
 RL 150.28 LAL -1.00 LOL 209.24 VL 23.563 GAL 16.25 AZL 92.12 MCA 85.63 SMA 109.59 ECC .45322 INC 2.1197 VI 29.649
 RP 108.92 LAP -2.11 LOP 294.87 VP 35.015 GAP -26.95 AZP 90.16 TAL 158.11 TAP 243.75 RCA 59.92 APO 159.26 V2 34.793
 RC 56.154 GL -5.13 GP 4.76 ZAL 49.20 ZAP 13.61 ETS 202.24 ZAE 142.23 ETE 163.42 ZAC 133.97 ETC 27.16 CLP 12.77

PLANETOCENTRIC CONIC
 C3 87.693 VHL 9.364 DLA 2.98 RAL 159.82 RAD 6569.7 VEL 14.458 PTH 2.63 VHP 16.395 DPA 25.55 RAP 131.95 ECC 2.4432
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 48 22 2668.75 -27.38 72.31 48.27 97.51 8 32 51 2068.8 -26.06 63.89
 90.00 20 30 40 5127.76 25.06 228.23 45.56 76.36 21 56 8 4527.8 22.94 220.20
 100.00 9 11 6 2401.89 -28.85 52.46 48.04 98.17 9 51 8 1801.9 -27.42 43.95
 100.00 21 50 37 4869.85 26.50 208.87 45.16 75.64 23 11 47 4269.9 24.26 200.78
 110.00 10 22 32 2178.30 -32.84 34.74 47.30 100.06 10 58 50 1578.3 -31.11 25.95
 110.00 22 55 40 4666.21 30.39 192.19 43.94 73.55 24 13 27 4066.2 27.84 183.93

DIFFERENTIAL CORRECTIONS
 TDE .9891 TRA-2.5139 TC3 -.2340 BAU .2804
 RDE -.6346 RRA -.4684 RC3 .0496 FAU .01401
 FDE -.6745 FRA 1.3043 FC3 -.1384 BSP 5303
 BDE 1.1752 BRA 2.5572 BC3 .2392 FSP -210

MID-COURSE EXECUTION ACCURACY
 SGT 1711.9 SGR 491.7 SG3 80.9
 RRT .1976 RRF -.2025 RTF -.8532
 SGB 1781.1 R23 -.0198 R13 -.8536
 SGI 1714.9 SG2 481.1 THA 3.53

ORBIT DETERMINATION ACCURACY
 ST 761.5 SR 397.7 SS 676.1
 CRT -.6446 CRS -.7352 CST .9915
 LSA 1055.1 MSA 285.8 SSA 17.0
 EL1 810.2 EL2 285.8 ALF 158.60

LAUNCH DATE APR 20 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 6 1967

HELIOCENTRIC CONIC
 RL 150.28 LAL -1.00 LOL 209.24 VL 23.854 GAL 15.60 AZL 92.26 MCA 88.79 SMA 110.85 ECC .43555 INC 2.2573 VI 29.649
 RP 108.93 LAP -2.26 LOP 298.03 VP 35.208 GAP -25.80 AZP 90.05 TAL 157.47 TAP 246.26 RCA 62.57 APO 159.14 V2 34.790
 RC 54.407 GL -5.78 GP 5.01 ZAL 48.65 ZAP 12.51 ETS 205.34 ZAE 143.51 ETE 161.50 ZAC 132.17 ETC 26.40 CLP 11.48

PLANETOCENTRIC CONIC
 C3 80.826 VHL 8.990 DLA 2.15 RAL 160.13 RAD 6569.6 VEL 14.219 PTH 2.59 VHP 15.752 DPA 25.36 RAP 134.03 ECC 2.3302
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 55 49 2624.53 -26.95 69.15 46.79 99.04 8 39 34 2024.5 -25.42 60.81
 90.00 20 25 45 5135.18 25.18 228.74 44.87 76.59 21 51 20 4535.2 23.08 220.70
 100.00 9 18 10 2358.93 -28.40 49.34 46.52 99.75 9 57 29 1758.9 -26.76 40.93
 100.00 21 46 6 4876.01 26.60 209.29 44.48 75.84 23 7 22 4276.0 24.39 201.19
 110.00 10 28 42 2138.13 -32.32 31.72 45.66 101.78 11 4 20 1538.1 -30.36 23.05
 110.00 22 52 2 4669.58 30.46 192.43 43.29 73.68 24 9 52 4069.6 27.92 184.15

DIFFERENTIAL CORRECTIONS
 TDE .9949 TRA-2.5173 TC3 -.2374 BAU .2637
 RDE -.5931 RRA -.4552 RC3 .0563 FAU .01442
 FDE -.7068 FRA 1.3470 FC3 -.1544 BSP 5548
 BDE 1.1583 BRA 2.5581 BC3 .2440 FSP -228

MID-COURSE EXECUTION ACCURACY
 SGT 1778.1 SGR 487.2 SG3 87.2
 RRT .2114 RRF -.2182 RTF -.8619
 SGB 1843.7 R23 -.0225 R13 -.8624
 SGI 1781.3 SG2 475.3 THA 3.57

ORBIT DETERMINATION ACCURACY
 ST 796.4 SR 387.9 SS 706.4
 CRT -.6402 CRS -.7341 CST .9911
 LSA 1097.0 MSA 282.7 SSA 17.1
 EL1 839.5 EL2 282.7 ALF 160.37

LAUNCH DATE APR 20 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 8 1967

HELIOCENTRIC CONIC

DISTANCE 243.594

RL 150.28 LAL -1.00 LOL 209.24 VL 24.127 GAL 14.98 AZL 92.39 MCA 91.95 SMA 112.08 ECC .4185H INC 2.3946 V1 29.649
 RP 108.93 LAP -2.39 LOP 301.19 VP 35.391 GAP -24.70 AZP 89.92 TAL 156.85 TAP 248.80 RCA 65.17 APO 159.00 V2 34.787
 RC 52.74H GL -6.4H GP 5.30 ZAL 48.16 ZAP 11.47 ETS 209.16 ZAE 144.88 ETE 159.32 ZAC 130.35 ETC 25.70 CLP 10.18

PLANETOCENTRIC CONIC

C3 74.546 VHL 8.634 CLA 1.29 RAL 160.39 RAD 6569.4 VEL 13.996 PTH 2.55 VMP 15.129 DPA 25.17 RAP 136.10 ECC 2.2268
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 3 13 2579.23 -26.42 65.94 45.24 100.57 8 46 12 1979.2 -24.70 57.69
 90.00 20 20 24 5143.16 25.30 229.29 44.11 76.84 21 46 7 4543.2 23.24 221.23
 100.00 9 25 10 2314.91 -27.85 46.19 44.93 101.33 10 3 45 1714.9 -26.00 37.87
 100.00 21 41 9 4882.71 26.71 209.76 43.74 76.06 23 2 31 4282.7 24.53 201.64
 110.00 10 34 47 2096.99 -31.71 28.67 43.96 103.49 11 9 44 1497.0 -29.53 20.14
 110.00 22 48 1 4673.40 30.53 192.70 42.57 73.82 24 5 54 4073.4 28.01 184.41

DIFFERENTIAL CORRECTIONS

TDE 1.0008 TRA-2.5185 TC3 -.2395 BAU .2470
 RDE -.5521 RRA -.4425 RC3 .0638 FAU .01486
 FDE -.7414 FRA 1.3917 FC3 -.1726 BSP 5800
 BDE 1.1430 BRA 2.5570 BC3 .2479 FSP -249

MID-COURSE EXECUTION ACCURACY

SGT 1845.7 SGR 482.3 SG3 94.0
 RRT .2270 RRF -.2360 RTF -.8701
 SGB 1907.7 R23 -.0255 R13 -.8707
 SGI 1849.2 SG2 468.8 THA 3.63

ORBIT DETERMINATION ACCURACY

ST R32.3 SR 376.8 SS 738.2
 CRT -.6350 CRS -.7321 CST .9906
 LSA 1140.9 MSA 278.9 SSA 17.1
 EL1 870.2 EL2 278.4 ALF 162.06

LAUNCH DATE APR 20 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 10 1967

HELIOCENTRIC CONIC

DISTANCE 250.243

RL 150.28 LAL -1.00 LOL 209.24 VL 24.383 GAL 14.38 AZL 92.53 MCA 95.11 SMA 113.27 ECC .40233 INC 2.5324 V1 29.649
 RP 108.94 LAP -2.52 LOP 304.35 VP 35.565 GAP -23.63 AZP 89.77 TAL 156.26 TAP 251.37 RCA 67.70 APO 158.84 V2 34.786
 RC 51.183 GL -7.23 GP 5.61 ZAL 47.73 ZAP 10.50 ETS 213.89 ZAE 146.31 ETE 156.82 ZAC 128.52 ETC 25.07 CLP 8.89

PLANETOCENTRIC CONIC

C3 68.809 VHL 8.295 CLA .40 RAL 160.58 RAD 6569.3 VEL 13.790 PTH 2.52 VMP 14.525 DPA 24.98 RAP 138.17 ECC 2.1324
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 10 35 2532.80 -25.80 62.68 43.64 102.09 8 52 48 1932.8 -23.88 54.54
 90.00 20 14 35 5151.92 25.44 229.90 43.30 77.12 21 40 27 4551.9 23.41 221.82
 100.00 9 32 7 2269.81 -27.21 42.99 43.29 102.89 10 9 57 1669.8 -25.16 34.79
 100.00 21 35 44 4890.14 26.83 210.28 42.93 76.31 22 57 14 4290.1 24.68 202.14
 110.00 10 40 48 2054.86 -31.00 25.59 42.21 105.18 11 15 2 1454.9 -28.61 17.21
 110.00 22 43 33 4677.86 30.62 193.02 41.79 74.00 24 1 31 4077.9 28.12 184.72

DIFFERENTIAL CORRECTIONS

TDE 1.0065 TRA-2.5176 TC3 -.2402 BAU .2307
 RDE -.5117 RRA -.4304 RC3 .0720 FAU .01534
 FDE -.7787 FRA 1.4386 FC3 -.1931 BSP 6052
 BDE 1.1291 BRA 2.5541 BC3 .2508 FSP -271

MID-COURSE EXECUTION ACCURACY

SGT 1914.7 SGR 477.0 SG3 101.5
 RRT .2449 RRF -.2563 RTF -.8780
 SGB 1973.2 R23 -.0289 R13 -.8785
 SGI 1918.5 SG2 461.6 THA 3.71

ORBIT DETERMINATION ACCURACY

ST 869.2 SR 364.5 SS 771.8
 CRT -.6287 CRS -.7292 CST .9901
 LSA 1186.8 MSA 274.6 SSA 17.2
 EL1 902.1 EL2 273.1 ALF 163.69

LAUNCH DATE APR 20 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 256.918

RL 150.28 LAL -1.00 LOL 209.24 VL 24.624 GAL 13.81 AZL 92.67 MCA 98.27 SMA 114.42 ECC .38677 INC 2.6715 V1 29.649
 RP 108.94 LAP -2.64 LOP 307.52 VP 35.729 GAP -22.60 AZP 89.62 TAL 155.70 TAP 253.97 RCA 70.17 APO 158.68 V2 34.784
 RC 49.723 GL -8.04 GP 5.96 ZAL 47.36 ZAP 9.63 ETS 219.73 ZAE 147.80 ETE 153.93 ZAC 126.68 ETC 24.48 CLP 7.58

PLANETOCENTRIC CONIC

C3 63.577 VHL 7.973 CLA -.52 RAL 160.71 RAD 6569.2 VEL 13.599 PTH 2.49 VMP 13.940 DPA 24.81 RAP 140.23 ECC 2.0463
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 17 58 2485.20 -25.08 59.38 41.99 103.59 8 59 23 1885.2 -22.97 51.35
 90.00 20 8 14 5161.68 25.58 230.58 42.43 77.43 21 34 16 4561.7 23.60 222.47
 100.00 9 39 4 2223.60 -26.46 39.76 41.61 104.44 10 16 7 1623.6 -24.22 31.68
 100.00 21 29 50 4898.51 26.97 210.87 42.07 76.59 22 51 28 4298.5 24.85 202.70
 110.00 10 46 45 2011.73 -30.19 22.49 40.42 106.85 11 20 17 1411.7 -27.59 14.26
 110.00 22 38 38 4683.15 30.71 193.41 40.96 74.20 23 56 41 4083.1 28.24 185.08

DIFFERENTIAL CORRECTIONS

TDE 1.0126 TRA-2.5144 TC3 -.2391 BAU .2146
 RDE -.4717 RRA -.4191 RC3 .0810 FAU .01587
 FDE -.8191 FRA 1.4879 FC3 -.2162 BSP 6311
 BDE 1.1171 BRA 2.5491 BC3 .2525 FSP -295

MID-COURSE EXECUTION ACCURACY

SGT 1984.9 SGR 471.5 SG3 109.6
 RRT .2653 RRF -.2794 RTF -.8854
 SGB 2040.1 R23 -.0327 R13 -.8860
 SGI 1989.0 SG2 453.6 THA 3.80

ORBIT DETERMINATION ACCURACY

ST 907.4 SR 350.8 SS 807.4
 CRT -.6210 CRS -.7249 CST .9896
 LSA 1235.1 MSA 269.6 SSA 17.2
 EL1 935.6 EL2 266.7 ALF 165.28

LAUNCH DATE APR 20 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 263.613

RL 150.28 LAL -1.00 LOL 209.24 VL 24.850 GAL 13.26 AZL 92.81 MCA 101.43 SMA 115.54 ECC .37191 INC 2.8129 V1 29.649
 RP 108.94 LAP -2.76 LOP 310.68 VP 35.885 GAP -21.60 AZP 89.44 TAL 155.18 TAP 256.60 RCA 72.57 APO 158.50 V2 34.784
 RC 48.377 GL -8.90 GP 6.35 ZAL 47.06 ZAP 8.91 ETS 226.85 ZAE 149.31 ETE 150.59 ZAC 124.84 ETC 23.94 CLP 6.27

PLANETOCENTRIC CONIC

C3 58.811 VHL 7.669 CLA -1.49 RAL 160.78 RAD 6569.1 VEL 13.423 PTH 2.45 VMP 13.372 DPA 24.66 RAP 142.29 ECC 1.9679
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 25 22 2436.39 -24.26 56.04 40.30 105.07 9 5 58 1836.4 -21.96 48.13
 90.00 20 1 20 5172.67 25.74 231.34 41.51 77.78 21 27 33 4572.7 23.80 223.21
 100.00 9 46 1 2176.23 -25.62 36.49 39.89 105.96 10 22 17 1576.2 -23.18 28.54
 100.00 21 23 22 4908.06 27.12 211.54 41.16 76.91 22 45 10 4308.1 25.04 203.35
 110.00 10 52 40 1967.58 -29.28 19.38 38.61 108.49 11 25 28 1367.6 -26.47 11.31
 110.00 22 33 12 4689.48 30.83 193.86 40.08 74.45 23 51 22 4089.5 28.39 185.51

DIFFERENTIAL CORRECTIONS

TDE 1.0187 TRA-2.5094 TC3 -.2361 BAU .1990
 RDE -.4320 RRA -.4088 RC3 .0910 FAU .01645
 FDE -.8630 FRA 1.5400 FC3 -.2422 BSP 6565
 BDE 1.1065 BRA 2.5425 BC3 .2530 FSP -321

MID-COURSE EXECUTION ACCURACY

SGT 2056.2 SGR 465.9 SG3 118.4
 RRT -.6112 RRF -.3060 RTF -.8924
 SGB 2108.3 R23 -.0370 R13 -.8930
 SGI 2060.8 SG2 445.0 THA 3.93

ORBIT DETERMINATION ACCURACY

ST 946.5 SR 335.6 SS 845.1
 CRT -.6112 CRS -.7187 CST .9892
 LSA 1285.6 MSA 264.2 SSA 17.3
 EL1 970.3 EL2 259.1 ALF 166.82

LAUNCH DATE APR 20 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 270.326

RL 150.28 LAL -.000 LOL 209.24 VL 25.061 GAL 12.74 AZL 92.96 MCA 104.58 SMA 116.61 ECC .35773 INC 2.9575 V1 29.649
 RP 108.94 LAP -2.86 LOP 313.84 VP 36.032 GAP -20.63 A7P 89.25 TAL 154.68 TAP 259.27 RCA 74.89 APO 158.32 V2 34.784
 RC 47.155 GL -9.84 GP 6.78 ZAL 46.83 ZAP 8.38 ETS 235.33 ZAE 150.82 ETE 146.71 ZAC 122.98 ETC 23.44 CLP 4.95

PLANETOCENTRIC CONIC

C3 54.478 VHL 7.381 CLA -2.50 RAL 160.77 RAD 6569.0 VEL 13.260 PTH 2.42 VHP 12.823 DPA 24.53 RAP 144.35 ECC 1.8966
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 32 50 2386.30 -23.33 52.66 38.59 106.52 9 12 37 1786.3 -20.85 44.87
 90.00 19 53 50 5185.18 25.92 232.21 40.55 78.18 21 20 15 4585.2 24.03 224.05
 100.00 9 53 1 2127.65 -24.67 33.20 38.14 107.44 10 28 29 1527.7 -22.05 25.38
 100.00 21 16 20 4919.05 27.24 212.31 40.22 77.29 22 38 19 4319.1 25.26 204.10
 110.00 10 58 36 1922.38 -28.26 16.25 36.78 110.08 11 30 38 1322.4 -25.26 8.36
 110.00 22 27 15 4697.09 30.97 194.41 39.17 74.75 23 45 32 4097.1 28.57 186.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0252 TRA-2.5024 TC3 -.2312 BAU .1840 SGT 2128.5 SGR 460.4 SG3 128.1 ST 986.8 SR 318.7 SS 885.3
 RDE -.3926 RRA -.3997 RC3 .1019 FAU .01708 RRT .3163 RRF -.3366 RTF -.8990 CRT -.5985 CRS -.7100 CST .9887
 FDE -.9110 FRA 1.5952 FC3 -.2714 BSP 6813 SGB 2177.7 R23 -.0419 R13 -.8997 LSA 1338.6 MSA 258.3 SSA 17.3
 BDE 1.0978 BRA 2.5341 BC3 .2526 FSP -.350 SGI 2133.7 SG2 435.7 THA 4.09 EL1 1006.3 EL2 250.4 ALF 168.32

LAUNCH DATE APR 20 1967

FLIGHT TIME 120.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 277.053

RL 150.28 LAL -.000 LOL 209.24 VL 25.259 GAL 12.24 AZL 93.11 MCA 107.74 SMA 117.64 ECC .34423 INC 3.1063 V1 29.649
 RP 108.94 LAP -2.96 LOP 317.01 VP 36.171 GAP -19.70 A7P 89.05 TAL 154.22 TAP 261.97 RCA 77.14 APO 158.13 V2 34.785
 RC 46.068 GL -10.84 GP 7.26 ZAL 46.68 ZAP 8.10 ETS 244.96 ZAE 152.28 ETE 142.20 ZAC 121.13 ETC 22.98 CLP 3.61

PLANETOCENTRIC CONIC

C3 50.549 VHL 7.110 CLA -3.55 RAL 160.70 RAD 6568.9 VEL 13.111 PTH 2.39 VHP 12.292 DPA 24.43 RAP 146.40 ECC 1.8319
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 40 25 2334.85 -22.29 49.25 36.86 107.93 9 19 20 1734.8 -19.64 41.58
 90.00 19 45 38 5199.50 26.12 233.22 39.56 78.65 21 12 18 4599.5 24.29 225.03
 100.00 10 0 6 2077.81 -23.61 29.87 36.39 108.89 10 34 44 1477.8 -20.81 22.19
 100.00 21 8 39 4931.77 27.47 213.21 39.24 77.73 22 30 50 4331.8 25.50 204.96
 110.00 11 4 32 1876.10 -27.14 13.12 34.94 111.63 11 35 48 1276.1 -23.96 5.40
 110.00 22 20 42 4706.24 31.13 195.08 38.23 75.11 23 39 8 4106.2 28.77 186.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0330 TRA-2.4927 TC3 -.2234 BAU .1694 SGT 2201.1 SGR 455.5 SG3 138.6 ST 1028.4 SR 300.1 SS 928.2
 RDE -.3532 RRA -.3921 RC3 .1139 FAU .01776 RRT .3479 RRF -.3717 RTF -.9053 CRT -.5821 CRS -.6977 CST .9883
 FDE -.9638 FRA 1.6534 FC3 -.3042 BSP 7070 SGB 2247.7 R23 -.0475 R13 -.9061 LSA 1394.8 MSA 251.9 SSA 17.2
 BDE 1.0917 BRA 2.5234 BC3 .2507 FSP -.381 SGI 2207.0 SG2 425.9 THA 4.28 EL1 1044.0 EL2 240.4 ALF 169.81

LAUNCH DATE APR 20 1967

FLIGHT TIME 122.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 283.791

RL 150.28 LAL -.000 LOL 209.24 VL 25.445 GAL 11.76 AZL 93.26 MCA 110.90 SMA 118.63 ECC .33138 INC 3.2605 V1 29.649
 RP 108.93 LAP -3.05 LOP 320.17 VP 36.302 GAP -18.80 A7P 88.84 TAL 153.80 TAP 264.70 RCA 79.32 APO 157.94 V2 34.787
 RC 45.125 GL -11.93 GP 7.79 ZAL 46.60 ZAP 8.11 ETS 255.23 ZAE 153.62 ETE 136.99 ZAC 119.26 ETC 22.56 CLP 2.25

PLANETOCENTRIC CONIC

C3 46.996 VHL 6.855 CLA -4.66 RAL 160.55 RAD 6568.8 VEL 12.975 PTH 2.37 VHP 11.778 DPA 24.37 RAP 148.45 ECC 1.7734
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 48 9 2281.95 -21.14 45.79 35.13 109.29 9 26 11 1682.0 -18.32 38.26
 90.00 19 36 42 5215.98 26.33 234.38 38.55 79.19 21 3 38 4616.0 24.57 226.15
 100.00 10 7 18 2026.62 -22.44 26.52 34.63 110.29 10 41 5 1426.6 -19.47 18.98
 100.00 21 0 14 4946.54 27.68 214.26 38.25 78.24 22 22 41 4346.5 25.78 205.97
 110.00 11 10 32 1828.70 -25.91 9.98 33.11 113.12 11 41 0 1228.7 -22.55 2.43
 110.00 22 13 31 4717.22 31.32 195.88 37.27 75.55 23 32 8 4117.2 29.02 187.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0418 TRA-2.4812 TC3 -.2130 BAU .1558 SGT 2274.2 SGR 451.5 SG3 150.1 ST 1071.3 SR 279.6 SS 974.1
 RDE -.3137 RRA -.3861 RC3 .1270 FAU .01851 RRT .3842 RRF -.4119 RTF -.9113 CRT -.5597 CRS -.6799 CST .9879
 FDE -1.0222 FRA 1.7152 FC3 -.3409 BSP 7328 SGB 2318.6 R23 -.0538 R13 -.9121 LSA 1454.1 MSA 245.2 SSA 17.2
 BDE 1.0880 BRA 2.5110 BC3 .2480 FSP -.416 SGI 2281.1 SG2 415.6 THA 4.51 EL1 1083.3 EL2 229.2 ALF 171.30

LAUNCH DATE APR 20 1967

FLIGHT TIME 124.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 290.538

RL 150.28 LAL -.000 LOL 209.24 VL 25.618 GAL 11.31 AZL 93.42 MCA 114.06 SMA 119.57 ECC .31918 INC 3.4213 V1 29.649
 RP 108.93 LAP -3.12 LOP 323.34 VP 36.426 GAP -17.92 A7P 88.60 TAL 153.41 TAP 267.47 RCA 81.41 APO 157.74 V2 34.790
 RC 44.335 GL -13.09 GP 8.40 ZAL 46.61 ZAP 8.44 ETS 265.33 ZAE 154.78 ETE 131.04 ZAC 117.40 ETC 22.18 CLP .88

PLANETOCENTRIC CONIC

C3 43.794 VHL 6.618 CLA -5.83 RAL 160.32 RAD 6568.7 VEL 12.851 PTH 2.34 VHP 11.282 DPA 24.37 RAP 150.50 ECC 1.7207
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 56 7 2227.49 -19.88 42.30 33.40 110.59 9 33 14 1627.5 -16.90 34.89
 90.00 19 26 57 5234.99 26.57 235.72 37.52 79.82 20 54 12 4635.0 24.89 227.45
 100.00 10 14 42 1973.99 -21.16 23.13 32.87 111.62 10 47 36 1374.0 -18.03 15.73
 100.00 20 51 3 4963.72 27.91 215.48 37.24 78.84 22 13 47 4363.7 26.09 207.16
 110.00 11 16 37 1780.13 -24.57 6.84 31.29 114.55 11 46 17 1180.1 -21.05 359.46
 110.00 22 5 37 4730.34 31.54 196.84 36.31 76.08 23 24 28 4130.3 29.30 188.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0514 TRA-2.4680 TC3 -.2003 BAU .1435 SGT 2347.8 SGR 449.1 SG3 162.6 ST 1115.3 SR 257.1 SS 1023.2
 RDE -.2736 RRA -.3822 RC3 .1412 FAU .01930 RRT .4260 RRF -.4577 RTF -.9169 CRT -.5280 CRS -.6538 CST .9875
 FDE -1.0869 FRA 1.7809 FC3 -.3816 BSP 7569 SGB 2390.4 R23 -.0610 R13 -.9178 LSA 1516.5 MSA 238.4 SSA 17.1
 BDE 1.0865 BRA 2.4974 BC3 .2451 FSP -.454 SGI 2355.8 SG2 404.9 THA 4.80 EL1 1123.9 EL2 216.7 ALF 172.79

LAUNCH DATE APR 20 1967

FLIGHT TIME 126.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 297.290

RL 150.28 LAL -1.00 LOL 209.24 VL 25.780 GAL 10.87 AZL 93.59 HCA 117.22 SMA 120.47 ECC .30762 INC 3.5902 V1 29.649
 RP 108.92 LAP -3.19 LOP 326.50 VP 36.543 GAP -17.08 AZP 88.36 TAL 153.05 TAP 270.27 RCA 83.41 APO 157.53 V2 34.793
 RC 43.707 GL -14.35 GP 9.08 ZAL 46.71 ZAP 9.10 ETS 274.53 ZAE 155.67 ETE 124.36 ZAC 115.53 ETC 21.83 CLP -1.52

PLANETOCENTRIC CONIC

C3 40.922 VHL 6.397 DLA -7.07 RAL 160.01 RAD 6568.6 VEL 12.739 PTH 2.32 VMP 10.803 DPA 24.42 RAP 152.56 ECC 1.6735
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 4 21 2171.30 -18.50 38.76 31.69 111.83 9 40 33 1571.3 -15.37 31.48
 90.00 19 16 16 5256.97 26.82 237.28 36.49 80.57 20 43 53 4657.0 25.24 228.96
 100.00 10 22 19 1919.79 -19.76 19.72 31.14 112.90 10 54 19 1319.8 -16.49 12.45
 100.00 20 40 59 4983.71 28.17 216.91 36.23 79.56 22 4 3 4383.7 26.44 208.54
 110.00 11 22 50 1730.31 -23.13 3.70 29.50 115.90 11 51 40 1130.3 -19.45 356.48
 110.00 21 56 57 4745.96 31.79 197.98 35.35 76.71 23 16 3 4146.0 29.64 189.44

DIFFERENTIAL CORRECTIONS

TDE 1.0647 TRA-2.4512 TC3 -.1846 BAU .1325
 RDE -.2328 RRA -.3806 RC3 .1567 FAU .02017
 FDE-1.1592 FRA 1.8507 FC3 -.4266 BSP 7825
 BDE 1.0899 BRA 2.4806 BC3 .2421 FSP -495

MID-COURSE EXECUTION ACCURACY

SGT 2420.6 SGR 449.1 SG3 176.3
 RRT .4725 RRF -.5091 RTF -.9222
 SGB 2461.9 R23 -.0697 R13 -.9234
 SGI 2430.1 SGI 394.2 TMA 5.15

ORBIT DETERMINATION ACCURACY

ST 1161.9 SR 232.7 SS 1076.1
 CRT -.4828 CRS -.6142 CST .9873
 LSA 1583.8 MSA 231.0 SSA 17.0
 EL1 1167.5 EL2 202.8 ALF 174.31

LAUNCH DATE APR 20 1967

FLIGHT TIME 128.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 304.045

RL 150.28 LAL -1.00 LOL 209.24 VL 25.931 GAL 10.46 AZL 93.77 HCA 120.38 SMA 121.33 ECC .29668 INC 3.7691 V1 29.649
 RP 108.90 LAP -3.25 LOP 329.67 VP 36.653 GAP -16.25 AZP 88.09 TAL 152.73 TAP 273.10 RCA 85.34 APO 157.33 V2 34.797
 RC 43.245 GL -15.70 GP 9.86 ZAL 46.91 ZAP 10.05 ETS 282.37 ZAE 156.21 ETE 117.10 ZAC 113.65 ETC 21.50 CLP -1.95

PLANETOCENTRIC CONIC

C3 38.360 VHL 6.194 DLA -8.37 RAL 159.62 RAD 6568.5 VEL 12.638 PTH 2.29 VMP 10.342 DPA 24.56 RAP 154.62 ECC 1.6313
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 12 58 2113.20 -16.99 35.16 30.01 113.00 9 48 11 1513.2 -13.73 28.00
 90.00 19 4 32 5282.42 27.09 239.09 35.47 81.44 20 32 34 4682.4 25.63 230.73
 100.00 10 30 15 1863.87 -18.24 16.26 29.44 114.10 11 1 19 1263.9 -14.83 9.12
 100.00 20 29 56 5006.98 28.44 218.59 35.23 80.40 21 53 23 4407.0 26.82 210.16
 110.00 11 29 15 1679.15 -21.57 .54 27.74 117.18 11 57 14 1079.2 -17.75 353.49
 110.00 21 47 26 4764.46 32.07 199.35 34.41 77.48 23 6 50 4164.5 30.01 190.74

DIFFERENTIAL CORRECTIONS

TDE 1.0776 TRA-2.4340 TC3 -.1659 BAU .1231
 RDE -.1906 RRA -.3817 RC3 .1735 FAU .02109
 FDE-1.2402 FRA 1.9248 FC3 -.4759 BSP 8077
 BDE 1.0943 BRA 2.4637 BC3 .2401 FSP -540

MID-COURSE EXECUTION ACCURACY

SGT 2493.1 SGR 452.4 SG3 191.3
 RRT .5252 RRF -.5658 RTF -.9272
 SGB 2533.8 R23 -.0788 R13 -.9285
 SGI 2504.7 SGI 383.2 TMA 5.58

ORBIT DETERMINATION ACCURACY

ST 1208.3 SR 206.4 SS 1133.1
 CRT -.4118 CRS -.5516 CST .9869
 LSA 1654.1 MSA 224.2 SSA 16.7
 EL1 1211.3 EL2 187.6 ALF 175.88

LAUNCH DATE APR 20 1967

FLIGHT TIME 130.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 310.800

RL 150.28 LAL -1.00 LOL 209.24 VL 26.071 GAL 10.07 AZL 93.96 HCA 123.54 SMA 122.15 ECC .28633 INC 3.9600 V1 29.649
 RP 108.89 LAP -3.30 LOP 332.84 VP 36.757 GAP -15.46 AZP 87.81 TAL 152.44 TAP 275.97 RCA 87.17 APO 157.13 V2 34.801
 RC 42.956 GL -17.16 GP 10.74 ZAL 47.21 ZAP 11.26 ETS 288.74 ZAE 156.33 ETE 109.50 ZAC 111.77 ETC 21.21 CLP -3.41

PLANETOCENTRIC CONIC

C3 36.094 VHL 6.008 DLA -9.76 RAL 159.14 RAD 6568.4 VEL 12.548 PTH 2.27 VMP 9.900 DPA 24.79 RAP 156.69 ECC 1.5940
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 22 4 2052.92 -15.35 31.50 28.37 114.09 9 56 17 1452.9 -11.96 24.45
 90.00 18 51 37 5311.92 27.38 241.20 34.47 82.46 20 20 9 4711.9 26.05 232.79
 100.00 10 38 36 1806.00 -16.59 12.75 27.78 115.22 11 8 42 1206.0 -13.06 5.74
 100.00 20 17 46 5034.07 28.74 220.55 34.25 81.39 21 41 40 4434.1 27.25 212.06
 110.00 11 35 55 1626.52 -19.90 357.37 26.02 118.38 12 3 1 1026.5 -15.95 350.47
 110.00 21 36 56 4786.31 32.38 200.98 33.50 78.40 22 56 42 4186.3 30.44 192.30

DIFFERENTIAL CORRECTIONS

TDE 1.0979 TRA-2.4106 TC3 -.1407 BAU .1148
 RDE -.1463 RRA -.3860 RC3 .1919 FAU .02214
 FDE-1.3330 FRA 2.0017 FC3 -.5312 BSP 8393
 BDE 1.1076 BRA 2.4413 BC3 .2379 FSP -592

MID-COURSE EXECUTION ACCURACY

SGT 2562.5 SGR 460.6 SG3 207.6
 RRT .5814 RRF -.6263 RTF -.9324
 SGB 2603.6 R23 -.0891 R13 -.9338
 SGI 2576.8 SGI 372.7 TMA 6.09

ORBIT DETERMINATION ACCURACY

ST 1259.4 SR 179.1 SS 1195.7
 CRT -.3003 CRS -.4479 CST .9870
 LSA 1732.2 MSA 216.5 SSA 16.4
 EL1 1260.6 EL2 170.7 ALF 177.51

LAUNCH DATE APR 20 1967

FLIGHT TIME 132.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 317.554

RL 150.28 LAL -1.00 LOL 209.24 VL 26.202 GAL 9.70 AZL 94.17 HCA 126.70 SMA 122.92 ECC .27657 INC 4.1654 V1 29.649
 RP 108.87 LAP -3.34 LOP 336.01 VP 36.855 GAP -14.69 AZP 87.51 TAL 152.18 TAP 278.88 RCA 88.93 APO 156.92 V2 34.806
 RC 42.841 GL -18.74 GP 11.75 ZAL 47.63 ZAP 12.72 ETS 293.75 ZAE 155.97 ETE 101.92 ZAC 109.88 ETC 20.93 CLP -4.90

PLANETOCENTRIC CONIC

C3 34.111 VHL 5.840 DLA -11.23 RAL 158.57 RAD 6568.3 VEL 12.469 PTH 2.26 VMP 9.476 DPA 25.13 RAP 158.78 ECC 1.5614
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 31 47 1990.12 -13.57 27.75 26.80 115.10 10 4 57 1390.1 -10.07 20.81
 90.00 18 37 20 5346.18 27.66 243.67 33.50 83.67 20 6 26 4746.2 26.49 235.20
 100.00 10 47 28 1745.92 -14.82 9.17 26.17 116.26 11 16 34 1145.9 -11.17 2.28
 100.00 20 4 19 5065.62 29.04 222.85 33.31 82.56 21 28 45 4465.6 -27.70 214.30
 110.00 11 42 55 1572.26 -18.11 354.18 24.36 119.50 12 9 8 972.3 -14.05 347.42
 110.00 21 25 22 4812.03 32.72 202.91 32.64 79.49 22 45 34 4212.0 30.92 194.15

DIFFERENTIAL CORRECTIONS

TDE 1.1184 TRA-2.3886 TC3 -.1163 BAU .1101
 RDE -.0994 RRA -.3942 RC3 .2116 FAU .02320
 FDE-1.4364 FRA 2.0846 FC3 -.5887 BSP 8630
 BDE 1.1228 BRA 2.4209 BC3 .2415 FSP -646

MID-COURSE EXECUTION ACCURACY

SGT 2632.4 SGR 475.5 SG3 225.4
 RRT .6403 RRF -.6891 RTF -.9368
 SGB 2675.0 R23 -.1010 R13 -.9386
 SGI 2650.3 SGI 362.7 TMA 6.72

ORBIT DETERMINATION ACCURACY

ST 1310.5 SR 153.4 SS 1262.3
 CRT -.1104 CRS -.2672 CST .9869
 LSA 1813.9 MSA 209.9 SSA 16.0
 EL1 1310.6 EL2 152.5 ALF 179.25

LAUNCH DATE APR 20 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 324.304

RL 150.28 LAL -.00 LOL 209.24 VL 26.324 GAL 9.34 AZL 94.39 HCA 129.86 SMA 123.66 ECC .26739 INC 4.3886 V1 29.649
 RP 108.86 LAP -3.37 LOP 339.18 VP 36.947 GAP -13.94 AZP 87.18 TAL 151.96 TAP 281.82 RCA 90.59 APO 156.72 V2 34.812
 RC 42.900 GL -20.44 GP 12.92 ZAL 48.16 ZAP 14.41 ETS 297.59 ZAE 155.13 ETE 94.71 ZAC 107.98 ETC 20.68 CLP -6.43

PLANETOCENTRIC CONIC

C3 32.404 VHL 5.692 CLA -12.80 RAL 157.90 RAD 6568.3 VEL 12.401 PTH 2.24 VMP 9.072 DPA 25.61 RAP 160.90 ECC 1.5333
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 42 18 1924.34 -11.63 23.88 25.29 116.00 10 14 22 1324.3 -8.04 17.04
 90.00 18 21 26 5386.07 27.92 246.56 32.57 85.09 19 51 13 4786.1 26.95 238.03
 100.00 10 57 2 1683.24 -12.90 5.51 24.64 117.20 11 25 5 1083.2 -9.15 358.72
 100.00 19 49 24 5102.41 29.33 225.54 32.42 83.95 21 14 26 4502.4 28.18 216.93
 110.00 11 50 22 1516.17 -16.20 350.95 22.76 120.52 12 15 39 916.2 -12.03 344.33
 110.00 21 12 33 4842.24 33.07 205.20 31.84 80.80 22 33 15 4242.2 31.45 196.35

DIFFERENTIAL CORRECTIONS

TDE 1.1464 TRA-2.3615 TC3 -.0856 BAU .1075
 RDE -.0483 RRA -.4068 RC3 .2330 FAU .02437
 FDE-1.5556 FRA 2.1698 FC3 -.6510 BSP 8942
 BDE 1.1474 BRA 2.3963 BC3 .2483 FSP -708

MID-COURSE EXECUTION ACCURACY

SGT 2698.5 SGR 499.0 SG3 244.6
 RRT .6991 RRF -.7508 RTF -.9415
 SGB 2744.3 R23 -.1134 R13 -.9435
 SGI 2721.3 SG2 353.8 TMA 7.49

ORBIT DETERMINATION ACCURACY

ST 1366.0 SR 135.3 SS 1335.5
 CRT .1946 CRS .0375 CST .9872
 LSA 1904.4 MSA 202.9 SSA 15.5
 EL1 1366.3 EL2 132.7 ALF 1.11

LAUNCH DATE APR 20 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 331.048

RL 150.28 LAL -.00 LOL 209.24 VL 26.437 GAL 9.01 AZL 94.63 HCA 133.02 SMA 124.35 ECC .25875 INC 4.6334 V1 29.649
 RP 108.84 LAP -3.39 LOP 342.35 VP 37.034 GAP -13.21 AZP 86.84 TAL 151.77 TAP 284.79 RCA 92.17 APO 156.52 V2 34.819
 RC 43.133 GL -22.27 GP 14.27 ZAL 48.83 ZAP 16.32 ETS 300.45 ZAE 153.83 ETE 88.20 ZAC 106.07 ETC 20.44 CLP -8.00

PLANETOCENTRIC CONIC

C3 30.969 VHL 5.565 CLA -14.47 RAL 157.12 RAD 6568.2 VEL 12.343 PTH 2.23 VMP 8.688 DPA 26.26 RAP 163.07 ECC 1.5097
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 53 53 1854.92 -9.53 19.86 23.89 116.79 10 24 48 1254.9 -5.86 13.11
 90.00 18 3 38 5432.71 28.15 249.95 31.70 86.78 19 34 11 4832.7 27.40 241.37
 100.00 11 7 29 1617.46 -10.82 1.73 23.21 118.04 11 34 26 1017.5 -6.99 355.04
 100.00 19 32 43 5145.41 29.60 228.71 31.59 85.60 20 58 29 4545.4 28.67 220.03
 110.00 11 58 24 1457.95 -14.16 347.67 21.26 121.44 12 22 42 857.9 -9.90 341.17
 110.00 20 58 17 4877.68 33.42 207.91 31.12 82.37 22 19 35 4277.7 32.01 198.36

DIFFERENTIAL CORRECTIONS

TDE 1.1806 TRA-2.3316 TC3 -.0515 BAU .1081
 RDE .0082 RRA -.4247 RC3 .2561 FAU .02561
 FDE-1.6919 FRA 2.2577 FC3 -.7159 BSP 9272
 BDE 1.1807 BRA 2.3700 BC3 .2612 FSP -776

MID-COURSE EXECUTION ACCURACY

SGT 2761.8 SGR 534.1 SG3 265.4
 RRT .7549 RRF -.8083 RTF -.9460
 SGB 2812.9 R23 -.1262 R13 -.9484
 SGI 2791.5 SG2 346.5 TMA 8.44

ORBIT DETERMINATION ACCURACY

ST 1425.0 SR 136.0 SS 1415.1
 CRT .5726 CRS .4385 CST .9876
 LSA 2003.2 MSA 196.2 SSA 14.8
 EL1 1427.2 EL2 111.3 ALF 3.15

LAUNCH DATE APR 20 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 337.784

RL 150.28 LAL -.00 LOL 209.24 VL 26.542 GAL 8.69 AZL 94.90 HCA 136.18 SMA 125.00 ECC .25065 INC 4.9049 V1 29.649
 RP 108.81 LAP -3.39 LOP 345.52 VP 37.116 GAP -12.50 AZP 86.46 TAL 151.61 TAP 287.79 RCA 93.67 APO 156.33 V2 34.826
 RC 43.534 GL -24.26 GP 15.83 ZAL 49.65 ZAP 18.46 ETS 302.51 ZAE 152.11 ETE 82.58 ZAC 104.13 ETC 20.21 CLP -9.62

PLANETOCENTRIC CONIC

C3 29.811 VHL 5.460 CLA -16.26 RAL 156.22 RAD 6568.2 VEL 12.296 PTH 2.21 VMP 8.328 DPA 27.12 RAP 165.30 ECC 1.4906
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 6 52 1780.91 -7.23 15.64 22.61 117.45 10 36 33 1180.9 -3.50 8.95
 90.00 17 43 28 5487.59 28.29 253.96 30.88 88.78 19 14 56 4887.6 27.82 245.33
 100.00 11 19 6 1547.82 -8.57 357.79 21.89 118.75 11 44 54 947.8 -4.66 351.17
 100.00 19 13 55 5195.91 29.80 232.45 30.83 87.56 20 40 31 4595.9 29.14 223.71
 110.00 12 7 11 1397.21 -11.98 344.32 19.85 122.26 12 30 28 797.2 -7.63 337.92
 110.00 20 42 20 4919.28 33.75 211.11 30.49 84.24 22 4 19 4319.3 32.59 202.07

DIFFERENTIAL CORRECTIONS

TDE 1.2322 TRA-2.2892 TC3 -.0020 BAU .1122
 RDE .0728 RRA -.4481 RC3 .2816 FAU .02714
 FDE-1.8536 FRA 2.3409 FC3 -.7882 BSP 9853
 BDE 1.2343 BRA 2.3327 BC3 .2816 FSP -863

MID-COURSE EXECUTION ACCURACY

SGT 2816.7 SGR 583.4 SG3 287.5
 RRT .8057 RRF -.8586 RTF -.9513
 SGB 2876.5 R23 -.1362 R13 -.9543
 SGI 2856.2 SG2 340.8 TMA 9.61

ORBIT DETERMINATION ACCURACY

ST 1495.1 SR 165.9 SS 1504.7
 CRT .8430 CRS .7541 CST .9887
 LSA 2119.4 MSA 187.4 SSA 14.0
 EL1 1501.7 EL2 88.8 ALF 5.36

LAUNCH DATE APR 20 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 344.508

RL 150.28 LAL -.00 LOL 209.24 VL 26.639 GAL 8.40 AZL 95.21 HCA 139.34 SMA 125.61 ECC .24307 INC 5.2097 V1 29.649
 RP 108.79 LAP -3.39 LOP 348.70 VP 37.193 GAP -11.81 AZP 86.04 TAL 151.48 TAP 290.82 RCA 95.08 APO 156.14 V2 34.834
 RC 44.099 GL -26.41 GP 17.67 ZAL 50.62 ZAP 20.87 ETS 303.90 ZAE 149.99 ETE 77.93 ZAC 102.16 ETC 19.99 CLP -11.29

PLANETOCENTRIC CONIC

C3 28.939 VHL 5.379 CLA -18.18 RAL 155.19 RAD 6568.2 VEL 12.260 PTH 2.21 VMP 7.993 DPA 28.22 RAP 167.62 ECC 1.4763
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 21 47 1700.81 -4.70 11.12 21.50 117.96 10 50 8 1100.8 -.92 4.48
 90.00 17 20 19 5552.82 28.29 258.73 30.12 91.17 18 52 52 4952.8 28.16 250.07
 100.00 11 32 19 1473.22 -6.10 353.62 20.73 119.32 11 56 52 873.2 -2.15 347.07
 100.00 18 52 28 5255.64 29.89 236.89 30.14 89.89 20 20 4 4655.6 29.56 228.10
 110.00 12 16 57 1333.41 -9.64 340.86 18.57 122.96 12 39 10 733.4 -5.23 334.55
 110.00 20 24 20 4968.22 34.02 214.91 29.98 86.47 21 47 8 4368.2 33.16 205.77

DIFFERENTIAL CORRECTIONS

TDE 1.3176 TRA-2.2194 TC3 .0841 BAU .1248
 RDE .1497 RRA -.4767 RC3 .3114 FAU .02943
 FDE-2.0539 FRA 2.4052 FC3 -.8804 BSP 11045
 BDE 1.3261 BRA 2.2700 BC3 .3225 FSP -988

MID-COURSE EXECUTION ACCURACY

SGT 2857.9 SGR 650.6 SG3 310.9
 RRT .8518 RRF -.8999 RTF -.9590
 SGB 2931.0 R23 -.1368 R13 -.9623
 SGI 2911.9 SG2 334.6 TMA 11.12

ORBIT DETERMINATION ACCURACY

ST 1589.5 SR 226.3 SS 1610.8
 CRT .9546 CRS .9068 CST .9909
 LSA 2267.7 MSA 172.5 SSA 13.1
 EL1 1604.1 EL2 66.8 ALF 7.75

LAUNCH DATE APR 27 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 351.232

RL 150.28 LAL -.00 LOL 209.24 VL 26.729 GAL 8.12 AZL 95.56 MCA 142.51 SMA 126.18 ECC .23672 INC 5.5566 V1 29.649
 RP 108.76 LAP -3.38 LOP 351.88 VP 37.265 GAP -11.15 AZP 85.59 TAL 151.36 TAP 293.87 RCA 96.40 APO 155.96 V2 34.842
 RC 44.820 GL -28.74 GP 19.82 ZAL 51.76 ZAP 23.56 ETS 304.72 ZAE 147.51 ETE 74.23 ZAC 100.14 ETC 19.74 CLP -13.00

PLANETOCENTRIC CONIC

C3 28.393 VHL 5.328 DLA -20.23 RAL 154.02 RAD 6568.1 VEL 12.238 PTH 2.20 VMP 7.689 DPA 29.61 RAP 170.08 ECC 1.4673
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 39 34 1612.39 -1.86 6.17 20.64 118.26 11 6 27 1012.4 1.93 359.55
 90.00 16 53 13 5631.73 28.05 264.49 29.42 94.05 18 27 5 5031.7 28.32 255.83
 100.00 11 47 49 1392.12 -3.38 349.14 19.80 119.72 12 11 2 792.1 .60 342.62
 100.00 18 27 39 5327.22 29.78 242.21 29.53 92.69 19 56 26 4727.2 29.84 233.40
 110.00 12 28 5 1265.93 -7.12 337.26 17.48 123.52 12 49 11 665.9 -2.66 331.01
 110.00 20 3 52 5026.18 34.17 219.42 29.61 89.14 21 27 39 4426.2 33.68 210.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2908 TRA-2.2711 TC3 -.0027 BAU .1248 SGT 2949.7 SGR 739.1 SG3 334.2 ST 1592.5 SR 307.8 SS 1677.6
 RDE .2317 RRA -.5247 RC3 .3287 FAU .02798 RRT .8760 RRF -.9319 RTF -.9540 CRT .9929 CRS .9629 CST .9874
 FDE-2.2025 FRA 2.5474 FC3 -.8531 BSP 9307 SGB 3040.9 R23 -.1750 R13 -.9588 LSA 2325.5 MSA 192.3 SSA 12.2
 BDE 1.3114 BRA 2.3310 BC3 .3287 FSP -.956 SGI 3020.9 SG2 348.1 THA 12.55 ELI 1621.6 EL2 35.9 ALF 10.87

LAUNCH DATE APR 27 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 357.936

RL 150.28 LAL -.00 LOL 209.24 VL 26.811 GAL 7.86 AZL 95.96 MCA 145.67 SMA 126.71 ECC .22944 INC 5.9575 V1 29.649
 RP 108.74 LAP -3.36 LOP 355.05 VP 37.332 GAP -10.50 AZP 85.07 TAL 151.28 TAP 296.95 RCA 97.64 APO 155.79 V2 34.851
 RC 45.690 GL -31.28 GP 22.38 ZAL 53.09 ZAP 26.60 ETS 305.08 ZAE 144.67 ETE 71.44 ZAC 98.06 ETC 19.47 CLP -14.76

PLANETOCENTRIC CONIC

C3 28.196 VHL 5.310 DLA -22.45 RAL 152.67 RAD 6568.1 VEL 12.230 PTH 2.20 VMP 7.421 DPA 31.37 RAP 172.72 ECC 1.4640
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 1 46 1510.72 1.42 .50 20.11 118.28 11 26 56 910.7 5.19 353.85
 90.00 16 20 18 5729.93 27.37 271.59 28.68 97.55 17 55 48 5129.9 28.13 263.01
 100.00 12 6 41 1301.18 -.30 344.15 19.15 119.89 12 28 22 701.2 3.68 337.62
 100.00 17 58 4 5414.69 29.33 248.67 28.94 96.06 19 28 19 4814.7 29.86 239.90
 110.00 12 41 5 1193.31 -4.37 333.43 16.61 123.94 13 0 59 593.3 .11 327.22
 110.00 19 40 9 5095.33 34.11 224.82 29.36 92.33 21 5 4 4495.3 34.06 214.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.3719 TRA-2.2272 TC3 .0392 BAU .1349 SGT 2992.4 SGR 853.5 SG3 357.6 ST 1673.2 SR 418.7 SS 1784.5
 RDE .3400 RRA -.5754 RC3 .3557 FAU .02906 RRT .9027 RRF -.9549 RTF -.9585 CRT .9995 CRS .9860 CST .9888
 FDE-2.4355 FRA 2.6161 FC3 -.8922 BSP 9832 SGB 3111.7 R23 -.1797 R13 -.9643 LSA 2474.8 MSA 186.9 SSA 11.0
 BDE 1.4134 BRA 2.3003 BC3 .3578 FSP -1046 SGI 3091.3 SG2 355.5 THA 14.64 ELI 1724.8 EL2 12.8 ALF 14.04

LAUNCH DATE APR 27 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 364.627

RL 150.28 LAL -.00 LOL 209.24 VL 26.887 GAL 7.61 AZL 96.43 MCA 148.83 SMA 127.21 ECC .22333 INC 6.4294 V1 29.649
 RP 108.71 LAP -3.32 LOP 358.23 VP 37.396 GAP -9.86 AZP 84.49 TAL 151.22 TAP 300.06 RCA 98.80 APO 155.62 V2 34.860
 RC 46.700 GL -34.03 GP 25.43 ZAL 54.64 ZAP 30.04 ETS 305.03 ZAE 141.42 ETE 69.44 ZAC 95.89 ETC 19.14 CLP -16.56

PLANETOCENTRIC CONIC

C3 28.431 VHL 5.332 DLA -24.84 RAL 151.13 RAD 6568.1 VEL 12.240 PTH 2.20 VMP 7.198 DPA 33.55 RAP 175.64 ECC 1.4679
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 32 3 1384.98 5.45 353.46 20.13 117.83 11 55 8 785.0 9.14 346.72
 90.00 15 37 43 5859.80 25.87 280.80 27.75 101.93 17 15 22 5259.8 27.26 272.41
 100.00 12 31 9 1194.22 3.33 338.27 18.96 119.72 12 51 3 594.2 7.26 331.69
 100.00 17 21 18 5525.80 28.26 256.75 28.27 100.18 18 53 24 4925.8 29.37 248.12
 110.00 12 56 50 1113.63 -1.33 329.27 16.06 124.16 13 15 24 513.6 3.16 323.06
 110.00 19 12 6 5179.16 33.69 231.33 29.18 96.16 20 38 25 4579.2 34.18 222.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.4624 TRA-2.1916 TC3 .0630 BAU .1462 SGT 3034.5 SGR 998.3 SG3 379.2 ST 1753.7 SR 558.5 SS 1891.6
 RDE .4747 RRA -.6390 RC3 .3795 FAU .02944 RRT .9218 RRF -.9708 RTF -.9619 CRT .9989 CRS .9948 CST .9898
 FDE-2.6892 FRA 2.6706 FC3 -.8964 BSP 10168 SGB 3194.5 R23 -.1824 R13 -.9691 LSA 2632.7 MSA 184.7 SSA 9.9
 BDE 1.5375 BRA 2.2829 BC3 .3847 FSP -1120 SGI 3173.0 SG2 370.2 THA 17.11 ELI 1840.3 EL2 24.6 ALF 17.65

LAUNCH DATE APR 27 1967

FLIGHT TIME 148.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 371.302

RL 150.28 LAL -.00 LOL 209.24 VL 26.957 GAL 7.39 AZL 97.00 MCA 152.00 SMA 127.67 ECC .21768 INC 6.9964 V1 29.649
 RP 108.68 LAP -3.28 LOP 1.41 VP 37.455 GAP -9.25 AZP 83.82 TAL 151.18 TAP 303.18 RCA 99.88 APO 155.46 V2 34.870
 RC 47.841 GL -37.04 GP 29.07 ZAL 56.42 ZAP 33.96 ETS 304.63 ZAE 137.71 ETE 68.11 ZAC 93.59 ETC 18.69 CLP -18.39

PLANETOCENTRIC CONIC

C3 29.219 VHL 5.405 DLA -27.41 RAL 149.35 RAD 6568.2 VEL 12.272 PTH 2.21 VMP 7.036 DPA 36.24 RAP 178.97 ECC 1.4809
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 25 0 1189.87 11.50 342.31 21.44 116.06 12 44 50 589.9 14.91 333.30
 90.00 14 30 34 780.55 22.17 317.06 25.95 108.08 14 43 34 180.6 24.44 309.12
 100.00 13 7 12 1053.52 8.02 330.47 19.61 118.89 13 24 45 453.5 11.82 323.74
 100.00 16 31 3 5680.17 25.92 267.62 27.19 105.44 18 5 43 5080.2 27.79 259.31
 110.00 13 16 57 1022.90 2.14 324.54 15.99 124.12 13 34 0 422.9 6.60 318.29
 110.00 18 37 47 5283.55 32.64 239.30 28.98 100.76 20 5 51 4683.6 33.78 230.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.5744 TRA-2.1600 TC3 .0755 BAU .1582 SGT 3073.1 SGR 1178.0 SG3 396.6 ST 1839.5 SR 732.6 SS 1997.3
 RDE .6473 RRA -.7164 RC3 .3980 FAU .02907 RRT .9355 RRF -.9813 RTF -.9649 CRT .9970 CRS .9982 CST .9907
 FDE-2.9629 FRA 2.6934 FC3 -.8612 BSP 10460 SGB 3291.1 R23 -.1803 R13 -.9737 LSA 2806.3 MSA 184.3 SSA 8.7
 BDE 1.7023 BRA 2.2758 BC3 .4051 FSP -1179 SGI 3267.7 SG2 391.5 THA 20.03 ELI 1979.3 EL2 53.0 ALF 21.67

LAUNCH DATE APR 20 1967

FLIGHT TIME 150.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC
 RL 150.28 LAL - .00 LOL 209.24 VL 27.021 GAL 7.18 AZL - 97.70 MCA 155.16 SMA 128.10 ECC .21247 INC 7.6954 V1 29.649
 RP 108.64 LAP -3.22 LOP 4.60 VP 37.511 GAP -8.65 AZP 83.01 TAL 151.15 TAP 306.31 RCA 100.88 APO 155.31 V2 34.881
 RC 49.103 GL -40.33 GP 33.43 ZAL 58.48 ZAP 38.44 ETS 303.91 ZAE 133.42 ETE 67.30 ZAC 91.12 ETC 18.05 CLP -20.21

PLANETOCENTRIC CONIC
 C3 30.767 VHL 5.547 DLA -30.19 RAL 147.27 RAD 6568.2 VEL 12.335 PTH 2.22 VMP 6.957 DPA 39.51 RAP 182.92 ECC 1.5063
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.08 11 51 7 1282.96 17.98 352.32 23.34 114.66 12 12 29 683.0 21.16 344.94
 100.92 14 47 52 713.33 18.00 310.39 23.35 114.65 14 59 45 113.3 21.17 303.01
 79.08 11 51 7 1282.96 17.98 352.32 23.34 114.66 12 12 29 683.0 21.16 344.94
 100.92 14 47 52 713.33 18.00 310.39 23.35 114.65 14 59 45 113.3 21.17 303.01
 110.00 13 45 6 911.40 6.37 318.68 16.73 123.65 14 0 18 311.4 10.75 312.33
 110.00 17 53 3 5420.93 30.44 249.39 28.44 106.36 19 23 24 4820.9 32.38 240.71

MID-COURSE EXECUTION ACCURACY
 SGT 3106.9 SGR 1396.5 SG3 406.5
 RRT .9459 RRF -.9880 RTF -.9680
 SGB 3406.3 R23 -.1710 R13 -.9785
 SG1 3380.7 SG2 416.2 TMA 23.41

ORBIT DETERMINATION ACCURACY
 ST 1940.4 SR 948.9 SS 2099.2
 CRT .9955 CRS .9994 CST .9919
 LSA 3006.4 MSA 183.1 SSA 7.5
 EL1 2158.5 EL2 81.0 ALF 26.00

DIFFERENTIAL CORRECTIONS
 TOE 1.7274 TRA-2.1269 TC3 .0840 BAU .1713
 RDE .8748 RRA -.8065 RC3 .4078 FAU .02787
 FDE-3.2525 FRA 2.6587 FC3 -.7842 BSP 10903
 BOE 1.9363 BRA 2.2747 BC3 .4164 FSP -1223

LAUNCH DATE APR 20 1967

FLIGHT TIME 152.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC
 RL 150.28 LAL - .00 LOL 209.24 VL 27.080 GAL 6.99 AZL 98.58 MCA 158.32 SMA 128.49 ECC .20770 INC 8.5844 V1 29.649
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.563 GAP -8.06 AZP 82.01 TAL 151.14 TAP 309.46 RCA 101.80 APO 155.18 V2 34.891
 RC 50.476 GL -43.93 GP 38.64 ZAL 60.85 ZAP 43.58 ETS 302.88 ZAE 128.43 ETE 66.82 ZAC 88.44 ETC 17.08 CLP -21.95

PLANETOCENTRIC CONIC
 C3 33.443 VHL 5.783 DLA -33.16 RAL 144.82 RAD 6568.3 VEL 12.442 PTH 2.25 VMP 6.999 DPA 43.39 RAP 187.82 ECC 1.5504
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 71.97 10 52 9 1458.19 18.96 6.09 23.07 117.73 11 16 27 858.2 22.52 358.85
 108.03 15 27 12 5868.14 18.98 278.72 23.08 117.72 17 5 1 5268.1 22.54 271.48
 71.97 10 52 9 1458.19 18.96 6.09 23.07 117.73 11 16 27 858.2 22.52 358.85
 108.03 15 27 12 5868.14 18.98 278.72 23.08 117.72 17 5 1 5268.1 22.54 271.48
 110.00 14 36 11 736.86 12.83 309.29 19.41 121.96 14 48 28 136.9 16.96 302.62
 110.00 16 42 21 5637.47 25.35 264.16 26.39 113.74 18 16 19 5037.5 28.34 256.25

MID-COURSE EXECUTION ACCURACY
 SGT 3142.3 SGR 1653.2 SG3 404.3
 RRT .9535 RRF -.9921 RTF -.9709
 SGB 3550.6 R23 -.1570 R13 -.9830
 SG1 3522.7 SG2 444.5 TMA 27.11

ORBIT DETERMINATION ACCURACY
 ST 2055.5 SR 1211.5 SS 2183.9
 CRT .9947 CRS .9999 CST .9930
 LSA 3229.4 MSA 182.9 SSA 6.4
 EL1 2383.6 EL2 107.4 ALF 30.45

DIFFERENTIAL CORRECTIONS
 TOE 1.9329 TRA-2.1036 TC3 .0769 BAU .1822
 RDE 1.1786 RRA -.9081 RC3 .4003 FAU .02514
 FDE-3.5288 FRA 2.5503 FC3 -.6509 BSP 11350
 BOE 2.2639 BRA 2.2913 BC3 .4076 FSP -1225

LAUNCH DATE APR 20 1967

FLIGHT TIME 154.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC
 RL 150.28 LAL - .00 LOL 209.24 VL 27.133 GAL 6.81 AZL 99.76 MCA 161.48 SMA 128.85 ECC .20334 INC 9.7605 V1 29.649
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.612 GAP -7.49 AZP 80.74 TAL 151.13 TAP 312.61 RCA 102.65 APO 155.05 V2 34.903
 RC 51.950 GL -47.86 GP 44.84 ZAL 63.58 ZAP 49.42 ETS 301.50 ZAE 122.57 ETE 66.33 ZAC 85.49 ETC 15.52 CLP -23.45

PLANETOCENTRIC CONIC
 C3 37.948 VHL 6.160 DLA -36.33 RAL 141.86 RAD 6568.5 VEL 12.622 PTH 2.29 VMP 7.226 DPA 47.86 RAP 194.23 ECC 1.6245
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.23 10 6 45 1591.84 19.49 16.91 23.07 121.28 10 33 17 991.8 23.48 9.88
 113.77 15 49 0 5798.31 19.51 273.55 23.08 121.27 17 25 38 5198.3 23.50 266.52
 66.23 10 6 45 1591.84 19.49 16.91 23.07 121.28 10 33 17 991.8 23.48 9.88
 113.77 15 49 0 5798.31 19.51 273.55 23.08 121.27 17 25 38 5198.3 23.50 266.52
 66.23 10 6 45 1591.84 19.49 16.91 23.07 121.28 10 33 17 991.8 23.48 9.88
 113.77 15 49 0 5798.31 19.51 273.55 23.08 121.27 17 25 38 5198.3 23.50 266.52

MID-COURSE EXECUTION ACCURACY
 SGT 3188.1 SGR 1938.6 SG3 385.1
 RRT .9592 RRF -.9945 RTF -.9738
 SGB 3731.2 R23 -.1391 R13 -.9872
 SG1 3701.3 SG2 471.9 TMA 30.81

ORBIT DETERMINATION ACCURACY
 ST 2199.5 SR 1520.9 SS 2240.1
 CRT .9946 CRS 1.0000 CST .9942
 LSA 3483.6 MSA 182.3 SSA 5.4
 EL1 2670.9 EL2 130.0 ALF 34.61

DIFFERENTIAL CORRECTIONS
 TOE 2.2324 TRA-2.0947 TC3 .0564 BAU .1882
 RDE 1.5911 RRA -1.0116 RC3 .3666 FAU .02059
 FDE-3.7579 FRA 2.3422 FC3 -.4697 BSP 11899
 BOE 2.7414 BRA 2.3262 BC3 .3710 FSP -1174

LAUNCH DATE APR 20 1967

FLIGHT TIME 156.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC
 RL 150.28 LAL - .00 LOL 209.24 VL 27.181 GAL 6.65 AZL 101.40 MCA 164.62 SMA 129.18 ECC .19940 INC 11.4005 V1 29.649
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.658 GAP -6.94 AZP 79.00 TAL 151.12 TAP 315.75 RCA 103.42 APO 154.94 V2 34.914
 RC 53.515 GL -52.10 GP 52.11 ZAL 66.72 ZAP 55.97 ETS 299.48 ZAE 115.70 ETE 65.26 ZAC 82.21 ETC 12.83 CLP -24.34

PLANETOCENTRIC CONIC
 C3 45.736 VHL 6.763 DLA -39.61 RAL 138.23 RAD 6568.7 VEL 12.927 PTH 2.36 VMP 7.755 DPA 52.65 RAP 203.11 ECC 1.7527
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 61.06 9 26 22 1714.19 19.21 26.77 23.31 125.33 9 54 56 1114.2 23.70 20.06
 118.94 16 0 26 5770.10 19.23 271.04 23.32 125.32 17 36 37 5170.1 23.71 264.34
 61.06 9 26 22 1714.19 19.21 26.77 23.31 125.33 9 54 56 1114.2 23.70 20.06
 118.94 16 0 26 5770.10 19.23 271.04 23.32 125.32 17 36 37 5170.1 23.71 264.34
 61.06 9 26 22 1714.19 19.21 26.77 23.31 125.33 9 54 56 1114.2 23.70 20.06
 118.94 16 0 26 5770.10 19.23 271.04 23.32 125.32 17 36 37 5170.1 23.71 264.34

MID-COURSE EXECUTION ACCURACY
 SGT 3267.7 SGR 2220.6 SG3 344.8
 RRT .9636 RRF -.9957 RTF -.9772
 SGB 3950.8 R23 -.1192 R13 -.9908
 SG1 3919.7 SG2 495.1 TMA 33.83

ORBIT DETERMINATION ACCURACY
 ST 2397.7 SR 1858.5 SS 2252.1
 CRT .9950 CRS 1.0000 CST .9954
 LSA 3773.9 MSA 180.8 SSA 4.5
 EL1 3030.1 EL2 147.3 ALF 37.75

DIFFERENTIAL CORRECTIONS
 TOE 2.7075 TRA-2.1160 TC3 .0239 BAU .1829
 RDE 2.1519 RRA -1.0930 RC3 .2981 FAU .01405
 FDE-3.8884 FRA 2.0226 FC3 -.2660 BSP 12585
 BOE 3.4585 BRA 2.3817 BC3 .2990 FSP -1058

LAUNCH DATE APR 20 1967

FLIGHT TIME 158.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 404.353

RL 150.28 LAL -1.00 LOL 209.24 VL 27.225 GAL 6.52 AZL 103.86 MCA 167.76 SMA 129.48 ECC .19588 INC13.8593 V1 29.649
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.700 GAP -6.41 AZP 76.44 TAL 151.11 TAP 318.86 RCA 104.12 APO 154.84 V2 34.926
 RC 55.163 GL -56.58 GP 60.41 ZAL 70.33 ZAP 63.10 ETS 295.74 ZAE 107.70 ETE 62.25 ZAC 78.51 ETC 7.65 CLP -23.63

PLANETOCENTRIC CONIC

C3 60.259 VML 7.763 DLA -42.83 RAL 133.70 RAD 6569.1 VEL 13.477 PTH 2.46 VMP 8.819 DPA 57.12 RAP 215.88 ECC 1.9917
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 56.41 8 48 0 1838.76 17.61 36.22 23.66 129.70 9 18 39 1238.8 22.60 29.97
 123.59 16 2 41 5782.17 17.63 270.79 23.67 129.69 17 39 3 5182.2 22.62 264.55
 56.41 8 48 0 1838.76 17.61 36.22 23.66 129.70 9 18 39 1238.8 22.60 29.97
 123.59 16 2 41 5782.17 17.63 270.79 23.67 129.69 17 39 3 5182.2 22.62 264.55
 56.41 8 48 0 1838.76 17.61 36.22 23.66 129.70 9 18 39 1238.8 22.60 29.97
 123.59 16 2 41 5782.17 17.63 270.79 23.67 129.69 17 39 3 5182.2 22.62 264.55

DIFFERENTIAL CORRECTIONS

TDE 3.5602 TRA-2.2111 TC3 -.0238 BAU .1535
 RDE 2.8740 RRA-1.0898 RC3 .1890 FAU .00556
 FDE-3.8652 FRA 1.6146 FC3 -.0798 BSP 13350
 BOE 4.5755 BRA 2.4651 BC3 .1905 FSP -872

MID-COURSE EXECUTION ACCURACY

SGT 3443.7 SGR 2406.0 SG3 283.9
 RRT .9660 RRF -.9956 RTF -.9818
 SGB 4201.0 R23 -.0987 R13 -.9937
 SGI 4169.5 SG2 513.5 THA 34.62

ORBIT DETERMINATION ACCURACY

ST 2711.2 SR 2146.7 SS 2205.3
 CRT .9955 CRS .9999 CST .9968
 LSA 4097.6 MSA 178.7 SSA 3.5
 EL1 3454.5 EL2 159.8 ALF 38.34

LAUNCH DATE APR 20 1967

FLIGHT TIME 160.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 410.843

RL 150.28 LAL -1.00 LOL 209.24 VL 27.264 GAL 6.40 AZL 107.97 MCA 170.85 SMA 129.75 ECC .19279 INC17.9661 V1 29.649
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.740 GAP -5.89 AZP 72.25 TAL 151.07 TAP 321.92 RCA 104.73 APO 154.76 V2 34.938
 RC 56.885 GL -60.94 GP 69.48 ZAL 74.45 ZAP 70.51 ETS 285.77 ZAE 98.42 ETE 52.51 ZAC 74.16 ETC 355.11 CLP -17.84

PLANETOCENTRIC CONIC

C3 91.410 VML 9.561 DLA -45.52 RAL 128.04 RAD 6569.8 VEL 14.586 PTH 2.64 VMP 10.947 DPA 59.80 RAP 233.98 ECC 2.5044
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.74 8 11 8 1973.51 14.00 45.09 23.85 133.77 8 44 1 1373.5 19.45 39.39
 127.26 15 54 23 5841.40 14.02 272.81 23.86 133.76 17 31 45 5241.4 19.47 267.11
 52.74 8 11 8 1973.51 14.00 45.09 23.85 133.77 8 44 1 1373.5 19.45 39.39
 127.26 15 54 23 5841.40 14.02 272.81 23.86 133.76 17 31 45 5241.4 19.47 267.11
 52.74 8 11 8 1973.51 14.00 45.09 23.85 133.77 8 44 1 1373.5 19.45 39.39
 127.26 15 54 23 5841.40 14.02 272.81 23.86 133.76 17 31 45 5241.4 19.47 267.11

DIFFERENTIAL CORRECTIONS

TDE 5.4278 TRA-2.4859 TC3 -.0933 BAU .1362
 RDE 3.4534 RRA -.7556 RC3 .0610 FAU-.00433
 FDE-3.6834 FRA 1.1849 FC3 .0410 BSP 14082
 BOE 6.4333 BRA 2.5982 BC3 .1115 FSP -641

MID-COURSE EXECUTION ACCURACY

SGT 3890.1 SGR 2171.2 SG3 210.0
 RRT .9572 RRF -.9882 RTF -.9889
 SGB 4455.0 R23 -.0760 R13 -.9964
 SGI 4420.5 SG2 552.9 THA 28.60

ORBIT DETERMINATION ACCURACY

ST 3314.7 SR 2078.6 SS 2107.4
 CRT .9950 CRS .9991 CST .9984
 LSA 4440.2 MSA 184.2 SSA 2.4
 EL1 3908.5 EL2 176.5 ALF 32.03

LAUNCH DATE APR 20 1967

FLIGHT TIME 162.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 417.204

RL 150.28 LAL -1.00 LOL 209.24 VL 27.299 GAL 6.32 AZL 116.14 MCA 173.86 SMA 129.99 ECC .19025 INC26.1372 V1 29.649
 RP 108.43 LAP -2.70 LOP 23.72 VP 37.777 GAP -5.42 AZP 63.99 TAL 150.96 TAP 324.82 RCA 105.26 APO 154.72 V2 34.951
 RC 58.673 GL -63.88 GP 77.48 ZAL 79.05 ZAP 77.67 ETS 246.15 ZAE 87.26 ETE 12.69 ZAC 68.30 ETC 311.38 CLP 9.85

PLANETOCENTRIC CONIC

C3 177.217 VML 13.312 DLA -46.29 RAL 121.37 RAD 6570.9 VEL 17.278 PTH 2.95 VMP 15.638 DPA 58.10 RAP 256.39 ECC 3.9165
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.72 7 40 46 2111.57 7.99 51.92 23.65 135.75 8 15 57 1511.6 13.67 46.60
 128.28 15 31 34 672.11 8.00 299.93 23.67 135.75 15 42 46 72.1 13.68 294.61
 51.72 7 40 46 2111.57 7.99 51.92 23.65 135.75 8 15 57 1511.6 13.67 46.60
 128.28 15 31 34 672.11 8.00 299.93 23.67 135.75 15 42 46 72.1 13.68 294.61
 51.72 7 40 46 2111.57 7.99 51.92 23.65 135.75 8 15 57 1511.6 13.67 46.60
 128.28 15 31 34 672.11 8.00 299.93 23.67 135.75 15 42 46 72.1 13.68 294.61

DIFFERENTIAL CORRECTIONS

TDE 9.8742 TRA-2.5992 TC3 -.2032 BAU .5078
 RDE .1359 RRA 1.3158 RC3 .0682 FAU-.01653
 FDE-3.4837 FRA .8570 FC3 .0808 BSP 14554
 BOE 9.8751 BRA 2.9133 BC3 .2143 FSP -419

MID-COURSE EXECUTION ACCURACY

SGT 4579.8 SGR 841.4 SG3 138.8
 RRT -.3053 RRF .2877 RTF -.9996
 SGB 4656.4 R23 .0284 R13 .9994
 SGI 4587.2 SG2 800.0 THA 176.69

ORBIT DETERMINATION ACCURACY

ST 4277.5 SR 252.8 SS 2037.5
 CRT .1194 CRS .1267 CST 1.0000
 LSA 4738.0 MSA 251.3 SSA 1.2
 EL1 4277.6 EL2 251.0 ALF .41

LAUNCH DATE APR 20 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 423.137

RL 150.28 LAL -1.00 LOL 209.24 VL 27.330 GAL 6.33 AZL 138.07 MCA 176.53 SMA 130.21 ECC .18875 INC48.0662 V1 29.649
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.811 GAP -5.05 AZP 41.99 TAL 150.60 TAP 327.13 RCA 105.63 APO 154.79 V2 34.964
 RC 60.521 GL -59.78 GP 71.10 ZAL 83.78 ZAP 83.77 ETS 189.46 ZAE 70.99 ETE 316.87 ZAC 57.34 ETC 247.14 CLP 70.41

PLANETOCENTRIC CONIC

C3 546.863 VML 23.385 DLA -40.04 RAL 115.92 RAD 6572.5 VEL 25.849 PTH 3.36 VMP 28.545 DPA 46.65 RAP 277.98 ECC10.0000
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 60.43 7 54 28 2149.12 1.30 49.03 24.35 130.02 8 30 17 1549.1 6.43 43.29
 119.57 14 34 21 900.55 1.32 314.02 24.36 130.02 14 49 22 300.5 6.45 308.28
 60.43 7 54 28 2149.12 1.30 49.03 24.35 130.02 8 30 17 1549.1 6.43 43.29
 119.57 14 34 21 900.55 1.32 314.02 24.36 130.02 14 49 22 300.5 6.45 308.28
 60.43 7 54 28 2149.12 1.30 49.03 24.35 130.02 8 30 17 1549.1 6.43 43.29
 119.57 14 34 21 900.55 1.32 314.02 24.36 130.02 14 49 22 300.5 6.45 308.28

DIFFERENTIAL CORRECTIONS

TDE 9.6985 TRA -.0562 TC3 -.1473 BAU 2.3762
 RO-13.7639 RRA 4.2809 RC3 .2897 FAU-.04590
 FDE-3.7949 FRA .8951 FC3 .0727 BSP 13951
 BOE16.8377 BRA 4.2813 BC3 .3250 FSP -266

MID-COURSE EXECUTION ACCURACY

SGT 2474.1 SGR 3884.0 SG3 89.0
 RRT -.9336 RRF .9964 RTF -.9604
 SGB 4605.1 R23 -.0188 R13 .9998
 SGI 4542.2 SG2 758.0 THA 121.73

ORBIT DETERMINATION ACCURACY

ST 2376.3 SR 3397.5 SS 2303.0
 CRT -.9929 CRS -.9996 CST .9960
 LSA 4737.0 MSA 232.5 SSA .7
 EL1 4139.6 EL2 231.6 ALF 124.90

LAUNCH DATE APR 20 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 433.137

RL 150.28 LAL -.00 LOL 209.24 VL 27.35H GAL 5.63 AZL 19.60 MCA 182.61 SMA 130.40 ECC .18073 INC70.3952 V1 29.649
 RP 108.35 LAP -2.45 LOP 30.11 VP 37.843 GAP -3.71 AZP 160.38 TAL 152.73 TAP 335.33 RCA 106.83 APO 153.97 V2 34.977
 RC 62.420 GL 51.19 GP -56.51 ZAL 86.15 ZAP 87.07 ETS 170.46 ZAE 70.41 ETE 47.05 ZAC 74.85 ETC 114.38 CLP 84.6H

PLANETOCENTRIC CONIC

C31083.350 VML 32.914 CLA 66.66 RAL 156.37 RAD 6573.0 VEL 34.708 PTH 3.51 VMP 43.240 DPA -77.71 RAP 328.96 ECC1H.R292
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 26.74 20 48 29 5073.47 .60 245.07 66.64 23.34 22 13 2 4473.5 -6.74 242.31
 153.26 7 3 6 3343.41 .61 99.19 66.62 23.34 7 58 49 2743.4 -6.74 96.43
 26.74 20 48 29 5073.47 .60 245.07 66.64 23.34 22 13 2 4473.5 -6.74 242.31
 153.26 7 3 6 3343.41 .61 99.19 66.62 23.34 7 58 49 2743.4 -6.74 96.43
 26.74 20 48 29 5073.47 .60 245.07 66.64 23.34 22 13 2 4473.5 -6.74 242.31
 153.26 7 3 6 3343.41 .61 99.19 66.62 23.34 7 58 49 2743.4 -6.74 96.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -6.5751 TRA -2.9968 TC3 -.1647 BAU 4.7349
 RDE -6.0025 RRA -7.0152 RC3 -.2824 FAU -.08356
 FDE 1.5730 FRA 1.6434 FC3 .0668 BSP 12583
 BDE 8.9029 BRA 7.6285 BC3 .3269 FSP -233

SGT 2054.1 SGR 3748.3 SG3 76.8
 RRT .9443 RRF -.9995 RTF -.9537
 SGB 4274.3 R23 -.0449 R13 -.9990
 SGI 4232.1 SG2 598.8 THA 62.03

ST 1211.3 SR 1396.5 SS 1305.4
 CRT .9241 CRS .9985 CST .943H
 LSA 2231.7 MSA 375.2 SSA .8
 EL1 1813.9 EL2 356.4 ALF 49.39

LAUNCH DATE APR 20 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 438.328

RL 150.28 LAL -.00 LOL 209.24 VL 27.382 GAL 5.79 AZL 60.30 MCA 184.69 SMA 130.57 ECC .18099 INC29.7021 V1 29.649
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.872 GAP -3.53 AZP 119.62 TAL 151.89 TAP 336.57 RCA 106.94 APO 154.20 V2 34.990
 RC 64.367 GL 64.62 GP -79.75 ZAL 81.19 ZAP 84.10 ETS 125.91 ZAE 92.51 ETE 8.17 ZAC 93.98 ETC 73.27 CLP 54.75

PLANETOCENTRIC CONIC

C3 223.229 VML 14.941 CLA 69.74 RAL 198.09 RAD 6571.3 VEL 18.562 PTH 3.05 VMP 20.412 DPA -75.57 RAP 104.62 ECC 4.673H
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 23.17 23 27 0 4947.48 -8.12 244.29 105.08 20.48 24 49 28 4347.5 -15.60 241.81
 156.83 9 57 21 3195.88 -8.11 94.56 105.06 20.48 10 50 37 2595.9 -15.59 92.08
 23.17 23 27 0 4947.48 -8.12 244.29 105.08 20.48 24 49 28 4347.5 -15.60 241.81
 156.83 9 57 21 3195.88 -8.11 94.56 105.06 20.48 10 50 37 2595.9 -15.59 92.08
 23.17 23 27 0 4947.48 -8.12 244.29 105.08 20.48 24 49 28 4347.5 -15.60 241.81
 156.83 9 57 21 3195.88 -8.11 94.56 105.06 20.48 10 50 37 2595.9 -15.59 92.08

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.5862 TRA -4.0180 TC3 -.2416 BAU .8022
 RDE 2.5247 RRA -1.5902 RC3 -.1178 FAU -.01601
 FDE -.8571 FRA 1.0937 FC3 .0621 BSP 15457
 BDE 3.6142 BRA 4.3213 BC3 .2688 FSP -344

SGT 4615.4 SGR 2040.1 SG3 109.6
 RRT .9611 RRF -.9722 RTF -.9989
 SGB 5046.2 R23 .0002 R13 -.9999
 SGI 5019.5 SG2 518.4 THA 23.28

ST 1663.1 SR 1103.0 SS 864.1
 CRT .9080 CRS .9441 CST .9954
 LSA 2138.7 MSA 393.5 SSA .9
 EL1 1956.6 EL2 392.8 ALF 32.53

LAUNCH DATE APR 20 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 444.483

RL 150.28 LAL -.00 LOL 209.24 VL 27.403 GAL 5.80 AZL 73.28 MCA 187.59 SMA 130.72 ECC .17995 INC16.7231 V1 29.649
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.899 GAP -3.12 AZP 106.58 TAL 151.65 TAP 339.24 RCA 107.19 APO 154.24 V2 35.003
 RC 66.356 GL 61.76 GP -80.99 ZAL 75.09 ZAP 81.65 ETS 60.13 ZAE 103.48 ETE 305.56 ZAC 101.13 ETC 13.35 CLP -21.99

PLANETOCENTRIC CONIC

C3 79.289 VML 8.904 CLA 63.65 RAL 199.47 RAD 6569.5 VEL 14.165 PTH 2.58 VMP 12.594 DPA -65.12 RAP 119.66 ECC 2.3049
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 30.28 23 48 30 4727.92 -19.63 234.05 99.30 28.11 25 7 18 4127.9 -26.63 230.26
 149.72 9 46 53 3023.00 -19.62 92.13 99.29 28.11 10 37 16 2423.0 -26.63 88.35
 30.28 23 48 30 4727.92 -19.63 234.05 99.30 28.11 25 7 18 4127.9 -26.63 230.26
 149.72 9 46 53 3023.00 -19.62 92.13 99.29 28.11 10 37 16 2423.0 -26.63 88.35
 30.28 23 48 30 4727.92 -19.63 234.05 99.30 28.11 25 7 18 4127.9 -26.63 230.26
 149.72 9 46 53 3023.00 -19.62 92.13 99.29 28.11 10 37 16 2423.0 -26.63 88.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.3691 TRA -2.2906 TC3 -.0619 BAU .1041
 RDE -.9484 RRA 2.4686 RC3 -.0762 FAU .00323
 FDE -.9577 FRA 1.3487 FC3 -.0353 BSP 16279
 BDE 2.5519 BRA 3.3676 BC3 .0982 FSP -572

SGT 3655.6 SGR 3633.1 SG3 177.2
 RRT -.9638 RRF .9907 RTF -.9904
 SGB 5153.9 R23 -.0021 R13 .9996
 SGI 5107.0 SG2 693.6 THA 135.18

ST 1821.1 SR 1235.0 SS 925.7
 CRT -.8892 CRS -.9573 CST .9835
 LSA 2338.3 MSA 480.2 SSA 1.8
 EL1 2147.5 EL2 479.1 ALF 147.06

LAUNCH DATE APR 20 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 450.823

RL 150.28 LAL -.00 LOL 209.24 VL 27.420 GAL 5.78 AZL 78.97 MCA 190.66 SMA 130.84 ECC .17886 INC11.0291 V1 29.649
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.924 GAP -2.68 AZP 100.84 TAL 151.52 TAP 342.19 RCA 107.44 APO 154.24 V2 35.016
 RC 68.382 GL 54.91 GP -75.05 ZAL 69.02 ZAP 80.40 ETS 38.62 ZAE 110.83 ETE 286.81 ZAC 105.15 ETC 357.79 CLP -49.75

PLANETOCENTRIC CONIC

C3 40.681 VML 6.378 CLA 56.85 RAL 193.33 RAD 6568.6 VEL 12.730 PTH 2.31 VMP 9.197 DPA -57.95 RAP 125.63 ECC 1.6695
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 38.40 23 44 28 4527.61 -27.21 220.31 83.72 37.94 24 59 55 3927.6 -33.40 214.85
 141.60 9 1 55 2897.67 -27.20 88.34 83.70 37.94 9 50 13 2297.7 -33.39 82.88
 38.40 23 44 28 4527.61 -27.21 220.31 83.72 37.94 24 59 55 3927.6 -33.40 214.85
 141.60 9 1 55 2897.67 -27.20 88.34 83.70 37.94 9 50 13 2297.7 -33.39 82.88
 38.40 23 44 28 4527.61 -27.21 220.31 83.72 37.94 24 59 55 3927.6 -33.40 214.85
 141.60 9 1 55 2897.67 -27.20 88.34 83.70 37.94 9 50 13 2297.7 -33.39 82.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1733 TRA -1.1596 TC3 .0036 BAU .2551
 RDE -.9317 RRA 2.7732 RC3 -.4691 FAU .01665
 FDE -.8524 FRA 1.8503 FC3 -.3544 BSP 16227
 BDE 1.4982 BRA 3.0059 BC3 .4691 FSP -880

SGT 2177.2 SGR 4670.6 SG3 273.6
 RRT -.9405 RRF .9978 RTF -.9572
 SGB 5153.2 R23 -.0042 R13 .9993
 SGI 5108.6 SG2 676.2 THA 114.12

ST 1199.0 SR 1602.8 SS 946.2
 CRT -.8655 CRS -.9889 CST .9303
 LSA 2157.5 MSA 497.1 SSA 2.7
 EL1 1939.1 EL2 496.3 ALF 125.61

LAUNCH DATE APR 20 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 457.213

RL 150.28 LAL -1.00 LOL 209.24 VL 27.435 GAL 5.76 AZL 82.12 MCA 193.80 SMA 130.95 ECC .17795 INC 7.8780 V1 29.649
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.947 GAP -2.22 AZP 97.65 TAL 151.42 TAP 345.22 RCA 107.64 APO 154.25 V2 35.029
 RC 70.443 GL 47.23 GP -69.56 ZAL 63.46 ZAP 80.37 ETS 27.79 ZAE 116.49 ETE 278.22 ZAC 108.16 ETC 352.69 CLP -61.39

PLANETOCENTRIC CONIC

C3 25.978 VHL 5.097 DLA 49.83 RAL 187.39 RAD 6568.1 VEL 12.139 PTH 2.18 VMP 7.363 OPA -52.19 RAP 128.83 ECC 1.4276
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 47.11 23 46 30 4358.20 -29.94 205.11 68.31 48.10 24 59 8 3758.2 -35.08 198.25
 132.89 8 12 30 2841.73 -29.93 85.57 68.30 48.10 8 59 52 2241.7 -35.07 78.71
 47.11 23 46 30 4358.20 -29.94 205.11 68.31 48.10 24 59 8 3758.2 -35.08 198.25
 132.89 8 12 30 2841.73 -29.93 85.57 68.30 48.10 8 59 52 2241.7 -35.07 78.71
 47.11 23 46 30 4358.20 -29.94 205.11 68.31 48.10 24 59 8 3758.2 -35.08 198.25
 132.89 8 12 30 2841.73 -29.93 85.57 68.30 48.10 8 59 52 2241.7 -35.07 78.71

DIFFERENTIAL CORRECTIONS

TDE .6910 TRA -.6497 TC3 -.0517 BAU .3333
 RDE -.6918 RRA 2.7235 RC3 -.9584 FAU .02952
 FDE -.8180 FRA 2.4672 FC3 -.9838 BSP 16049
 BDE .9778 BRA 2.7999 BC3 .9598 FSP -1252

MID-COURSE EXECUTION ACCURACY

SGT 1374.2 SGR 4908.0 SG3 389.7
 RRT -.8788 RRF .9986 RTF -.8923
 SGB 5096.7 R23 -.0006 R13 .9991
 SGI 5056.8 SG2 636.4 TMA 104.05

ORBIT DETERMINATION ACCURACY

ST 847.8 SR 1622.7 SS 1008.0
 CRT -.7906 CRS -.9929 CST .8579
 LSA 2035.0 MSA 476.5 SSA 3.7
 EL1 1767.8 EL2 476.5 ALF 114.33

LAUNCH DATE APR 20 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 463.615

RL 150.28 LAL -1.00 LOL 209.24 VL 27.447 GAL 5.75 AZL 84.12 MCA 196.96 SMA 131.03 ECC .17727 INC 5.8785 V1 29.649
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.968 GAP -1.76 AZP 95.62 TAL 151.31 TAP 348.27 RCA 107.80 APO 154.26 V2 35.042
 RC 72.534 GL 39.73 GP -64.82 ZAL 58.67 ZAP 81.44 ETS 19.88 ZAE 121.07 ETE 271.82 ZAC 110.83 ETC 350.18 CLP -69.53

PLANETOCENTRIC CONIC

C3 19.150 VHL 4.376 DLA 43.01 RAL 182.63 RAD 6567.8 VEL 11.855 PTH 2.10 VMP 6.238 OPA -47.20 RAP 130.54 ECC 1.3152
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 56.17 0 4 18 4200.75 -29.28 189.67 55.70 56.97 1 14 19 3600.8 -33.40 182.06
 123.83 7 20 43 2851.44 -29.27 85.90 55.69 56.96 8 8 14 2251.4 -33.39 78.29
 56.17 0 4 18 4200.75 -29.28 189.67 55.70 56.97 1 14 19 3600.8 -33.40 182.06
 123.83 7 20 43 2851.44 -29.27 85.90 55.69 56.96 8 8 14 2251.4 -33.39 78.29
 56.17 0 4 18 4200.75 -29.28 189.67 55.70 56.97 1 14 19 3600.8 -33.40 182.06
 123.83 7 20 43 2851.44 -29.27 85.90 55.69 56.96 8 8 14 2251.4 -33.39 78.29

DIFFERENTIAL CORRECTIONS

TDE .4538 TRA -.2932 TC3 -.2133 BAU .3705
 RDE -.5769 RRA 2.6380 RC3 -1.4313 FAU .04230
 FDE -.8887 FRA 3.1401 FC3 -1.9122 BSP 15808
 BDE .7340 BRA 2.6542 BC3 1.4471 FSP -1665

MID-COURSE EXECUTION ACCURACY

SGT 814.5 SGR 4944.6 SG3 516.7
 RRT -.6691 RRF .9987 RTF -.6838
 SGB 5011.2 R23 .0074 R13 .9989
 SGI 4975.0 SG2 601.7 TMA 96.38

ORBIT DETERMINATION ACCURACY

ST 614.7 SR 1606.2 SS 1104.8
 CRT -.6804 CRS -.9935 CST .7593
 LSA 1996.9 MSA 436.4 SSA 4.7
 EL1 1663.9 EL2 434.8 ALF 105.69

LAUNCH DATE APR 20 1967

FLIGHT TIME 178.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 470.014

RL 150.28 LAL -1.00 LOL 209.24 VL 27.457 GAL 5.76 AZL 85.51 MCA 200.14 SMA 131.10 ECC .17682 INC 4.4925 V1 29.649
 RP 108.10 LAP -1.55 LOP 49.32 VP 37.987 GAP -1.30 AZP 94.22 TAL 151.19 TAP 351.33 RCA 107.92 APO 154.28 V2 35.056
 RC 74.652 GL 32.83 GP -60.63 ZAL 54.75 ZAP 83.45 ETS 13.26 ZAE 124.84 ETE 265.82 ZAC 113.41 ETC 348.58 CLP -76.55

PLANETOCENTRIC CONIC

C3 15.582 VHL 3.947 DLA 36.67 RAL 178.95 RAD 6567.6 VEL 11.703 PTH 2.06 VMP 5.493 OPA -42.70 RAP 131.32 ECC 1.2564
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 65.66 0 33 47 4027.84 -26.81 173.52 46.22 63.99 1 40 55 3427.8 -30.08 165.63
 114.34 6 21 51 2929.06 -26.80 90.85 46.21 63.98 7 10 40 2329.1 -30.07 82.96
 65.66 0 33 47 4027.84 -26.81 173.52 46.22 63.99 1 40 55 3427.8 -30.08 165.63
 114.34 6 21 51 2929.06 -26.80 90.85 46.21 63.98 7 10 40 2329.1 -30.07 82.96
 65.66 0 33 47 4027.84 -26.81 173.52 46.22 63.99 1 40 55 3427.8 -30.08 165.63
 114.34 6 21 51 2929.06 -26.80 90.85 46.21 63.98 7 10 40 2329.1 -30.07 82.96

DIFFERENTIAL CORRECTIONS

TDE .3005 TRA .0161 TC3 -.4720 BAU .3892
 RDE -.5401 RRA 2.5445 RC3 -1.8076 FAU .05441
 FDE -1.0510 FRA 3.8314 FC3 -3.0232 BSP 15443
 BDE .6181 BRA 2.5445 BC3 1.8582 FSP -2083

MID-COURSE EXECUTION ACCURACY

SGT 574.4 SGR 4884.0 SG3 647.1
 RRT .1155 RRF .9986 RTF .0990
 SGB 4917.7 R23 .0180 R13 .9985
 SGI 4884.5 SG2 570.5 TMA 89.21

ORBIT DETERMINATION ACCURACY

ST 436.4 SR 1588.9 SS 1224.6
 CRT -.4750 CRS -.9932 CST .5740
 LSA 2015.8 MSA 389.0 SSA 5.8
 EL1 1603.2 EL2 380.6 ALF 97.88

LAUNCH DATE APR 20 1967

FLIGHT TIME 180.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 476.403

RL 150.28 LAL -1.00 LOL 209.24 VL 27.464 GAL 5.78 AZL 86.53 MCA 203.33 SMA 131.15 ECC .17663 INC 3.4708 V1 29.649
 RP 108.06 LAP -1.37 LOP 52.53 VP 38.004 GAP -.84 AZP 93.19 TAL 151.04 TAP 354.38 RCA 107.98 APO 154.31 V2 35.069
 RC 76.795 GL 26.66 GP -56.82 ZAL 51.65 ZAP 86.24 ETS 7.44 ZAE 127.94 ETE 259.68 ZAC 116.00 ETC 347.41 CLP -83.11

PLANETOCENTRIC CONIC

C3 13.589 VHL 3.686 DLA 30.96 RAL 176.10 RAD 6567.5 VEL 11.618 PTH 2.04 VMP 4.976 OPA -38.51 RAP 131.47 ECC 1.2236
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.93 1 32 27 3782.35 -23.61 152.97 39.35 69.37 2 35 30 3182.4 -26.20 145.04
 103.07 5 0 25 3113.77 -23.60 103.63 39.35 69.36 5 52 19 2513.8 -26.19 95.70
 76.93 1 32 27 3782.35 -23.61 152.97 39.35 69.37 2 35 30 3182.4 -26.20 145.04
 103.07 5 0 25 3113.77 -23.60 103.63 39.35 69.36 5 52 19 2513.8 -26.19 95.70
 110.00 7 37 32 2623.90 -32.83 69.16 42.22 79.91 8 21 16 2023.9 -33.88 60.08
 110.00 3 54 31 3320.22 -14.99 114.87 34.93 58.91 4 49 51 2720.2 -19.00 108.05

DIFFERENTIAL CORRECTIONS

TDE .1759 TRA .3092 TC3 -.7983 BAU .4026
 RDE -.5432 RRA 2.4373 RC3 -2.0671 FAU .06581
 FDE -1.2922 FRA 4.4969 FC3 -4.1931 BSP 15144
 BDE .5710 BRA 2.4568 BC3 2.2159 FSP -2502

MID-COURSE EXECUTION ACCURACY

SGT 857.4 SGR 4748.8 SG3 772.9
 RRT .7716 RRF .9984 RTF .7611
 SGB 4825.6 R23 .0304 R13 .9981
 SGI 4795.3 SG2 540.1 TMA 81.97

ORBIT DETERMINATION ACCURACY

ST 321.4 SR 1572.1 SS 1361.0
 CRT -.0142 CRS -.9928 CST .1340
 LSA 2075.8 MSA 343.7 SSA 6.7
 EL1 1572.1 EL2 321.4 ALF 90.17

LAUNCH DATE APR 20 1967

FLIGHT TIME 182.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 482.778

RL 150.28 LAL -.00 LOL 209.24 VL 27.469 GAL 5.81 AZL 87.32 MCA 206.53 SMA 131.18 ECC .17668 INC 2.6826 VI 29.649
 RP 108.02 LAP -1.20 LOP 55.74 VP 38.020 GAP -.39 AZP 92.40 TAL 150.88 TAP 357.40 RCA 108.01 APO 154.36 V2 35.082
 RC 78.958 GL 21.26 GP -53.26 ZAL 49.27 ZAP 89.64 ETS 2.29 ZAE 130.40 ETE 253.27 ZAC 118.61 ETC 346.58 CLP -89.41

PLANETOCENTRIC CONIC

C3 12.446 VHL 3.528 OLA 25.90 RAL 173.87 RAD 6567.5 VEL 11.569 PTH 2.02 VHP 4.611 DPA -34.54 RAP 131.23 ECC 1.2048
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 50 0 3092.09 -27.32 103.08 36.10 82.24 5 41 32 2492.1 -28.11 94.51
 90.00 1 25 6 3766.18 -13.49 147.29 31.76 64.86 2 27 52 3166.2 -16.77 140.15
 100.00 6 37 58 2744.02 -29.50 77.75 36.38 84.96 7 23 42 2144.0 -29.89 68.97
 100.00 2 19 49 3589.48 -11.52 133.31 30.75 62.22 3 19 39 2989.5 -15.15 126.40
 110.00 8 34 5 2380.70 -34.17 50.36 36.58 90.93 9 13 46 1780.7 -33.67 41.15
 110.00 2 40 12 3525.56 -7.50 126.06 28.34 56.55 3 38 57 2925.6 -11.84 119.66

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .0561 TRA .5935 TC3-1.1648 BAU .4143 SGT 1353.5 SGR 4553.9 SG3 887.2 ST 335.0 SR 1549.7 SS 1505.8
 ROE -.5590 RRA 2.3173 RC3-2.2008 FAU .07591 RRT .9209 RRF .9982 RTF .9139 CRT .6201 CRS -.9924 CST -.5188
 FDE-1.5856 FRA 5.1045 FC3-5.2802 BSP 14887 SGB 4750.8 R23 .0435 R13 .9974 LSA 2165.3 MSA 304.4 SSA 7.8
 BOE .5618 BRA 2.3920 BC3 2.4901 FSP -2892 SG1 4723.5 SG2 508.5 THA 74.51 EL1 1564.0 EL2 260.4 ALF 82.15

LAUNCH DATE APR 20 1967

FLIGHT TIME 184.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 489.138

RL 150.28 LAL -.00 LOL 209.24 VL 27.471 GAL 5.85 AZL 87.95 MCA 209.73 SMA 131.20 ECC .17698 INC 2.0526 VI 29.649
 RP 107.98 LAP -1.02 LOP 58.95 VP 38.034 GAP .06 AZP 91.78 TAL 150.68 TAP .41 RCA 107.98 APO 154.42 V2 35.094
 RC 81.139 GL 16.55 GP -49.86 ZAL 47.45 ZAP 93.52 ETS 357.74 ZAE 132.25 ETE 246.65 ZAC 121.23 ETC 346.07 CLP -95.47

PLANETOCENTRIC CONIC

C3 11.807 VHL 3.436 OLA 21.46 RAL 172.12 RAD 6567.5 VEL 11.541 PTH 2.01 VHP 4.354 DPA -30.74 RAP 130.73 ECC 1.1943
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 52 45 2837.19 -28.28 84.54 32.22 91.45 6 40 2 2237.2 -27.78 75.91
 90.00 0 8 25 3998.81 -6.41 160.71 26.93 62.36 1 15 4 3398.8 -10.06 153.94
 100.00 7 28 52 2527.26 -29.72 61.67 32.15 93.40 8 10 59 1927.3 -28.93 52.96
 100.00 1 14 59 3783.97 -5.15 144.23 26.24 60.51 2 18 3 3184.0 -9.04 137.61
 110.00 9 8 8 2216.71 -33.26 37.66 31.72 98.38 9 45 5 1616.7 -31.75 28.76
 110.00 1 52 12 3667.29 -2.12 133.51 24.36 55.87 2 53 20 3067.3 -6.59 127.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0680 TRA .8698 TC3-1.5419 BAU .4265 SGT 1887.8 SGR 4307.9 SG3 983.3 ST 482.1 SR 1514.1 SS 1648.9
 ROE -.5726 RRA 2.1848 RC3-2.2186 FAU .08414 RRT .9620 RRF .9979 RTF .9565 CRT .9024 CRS -.9920 CST -.8408
 FDE-1.9023 FRA 5.6231 FC3-6.1692 BSP 14693 SGB 4703.4 R23 .0559 R13 .9964 LSA 2273.6 MSA 272.4 SSA 8.7
 BOE .5766 BRA 2.3516 BC3 2.7018 FSP -3230 SG1 4679.4 SG2 474.6 THA 66.89 EL1 1576.4 EL2 199.5 ALF 73.70

LAUNCH DATE APR 20 1967

FLIGHT TIME 186.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 495.480

RL 150.28 LAL -.00 LOL 209.24 VL 27.472 GAL 5.91 AZL 88.47 MCA 212.94 SMA 131.21 ECC .17752 INC 1.5348 VI 29.649
 RP 107.94 LAP -.83 LOP 62.17 VP 38.046 GAP .51 AZP 91.29 TAL 150.46 TAP 3.40 RCA 107.92 APO 154.50 V2 35.107
 RC 83.336 GL 12.47 GP -46.60 ZAL 46.07 ZAP 97.73 ETS 353.77 ZAE 133.51 ETE 239.94 ZAC 123.79 ETC 345.92 CLP -101.28

PLANETOCENTRIC CONIC

C3 11.491 VHL 3.390 OLA 17.57 RAL 170.75 RAD 6567.4 VEL 11.527 PTH 2.01 VHP 4.180 DPA -27.08 RAP 130.11 ECC 1.1891
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 30 36 2670.70 -27.40 72.45 28.92 97.44 7 15 7 2070.7 -26.09 64.03
 90.00 23 15 41 4153.94 -1.45 169.41 24.04 61.72 24 24 55 3553.9 -5.22 162.76
 100.00 8 2 11 2375.38 -28.58 50.53 28.73 99.15 8 41 46 1775.4 -27.02 42.08
 100.00 0 30 43 3924.49 -.40 151.96 23.46 60.11 1 36 8 3324.5 -4.38 145.43
 110.00 9 32 53 2091.56 -31.62 28.27 28.02 103.71 10 7 45 1491.6 -29.42 19.76
 110.00 1 16 30 3781.07 2.23 139.44 21.82 55.88 2 19 31 3181.1 -2.26 133.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.1992 TRA 1.1376 TC3-1.9044 BAU .4412 SGT 2418.2 SGR 4030.3 SG3 1058.6 ST 693.5 SR 1464.8 SS 1786.2
 ROE -.5795 RRA 2.0460 RC3-2.1502 FAU .09039 RRT .9776 RRF .9975 RTF .9728 CRT .9745 CRS -.9915 CST -.9371
 FDE-2.2235 FRA 6.0398 FC3-6.8106 BSP 14650 SGB 4700.1 R23 .0665 R13 .9954 LSA 2399.0 MSA 248.2 SSA 9.5
 BOE .6128 BRA 2.3410 BC3 2.8723 FSP -3510 SG1 4679.6 SG2 438.3 THA 59.31 EL1 1614.5 EL2 141.2 ALF 65.03

LAUNCH DATE APR 20 1967

FLIGHT TIME 188.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 501.805

RL 150.28 LAL -.00 LOL 209.24 VL 27.471 GAL 5.98 AZL 88.90 MCA 216.15 SMA 131.20 ECC .17830 INC 1.0991 VI 29.649
 RP 107.91 LAP -.65 LOP 65.38 VP 38.056 GAP .96 AZP 90.89 TAL 150.21 TAP 6.36 RCA 107.81 APO 154.59 V2 35.119
 RC 85.546 GL 8.93 GP -43.45 ZAL 45.01 ZAP 102.12 ETS 350.34 ZAE 134.20 ETE 233.35 ZAC 126.23 ETC 346.15 CLP -106.82

PLANETOCENTRIC CONIC

C3 11.395 VHL 3.376 OLA 14.16 RAL 169.68 RAD 6567.4 VEL 11.523 PTH 2.01 VHP 4.071 DPA -23.58 RAP 129.47 ECC 1.1875
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 58 30 2544.48 -25.97 63.49 26.44 101.71 7 40 55 1944.5 -24.09 55.33
 90.00 22 39 13 4276.70 2.51 176.26 22.26 61.79 23 50 30 3676.7 -1.28 169.63
 100.00 8 27 22 2257.89 -27.02 42.15 26.17 103.30 9 5 0 1657.9 -24.92 33.98
 100.00 23 53 3 4038.53 3.46 158.23 21.74 60.29 25 0 21 3438.5 -.52 151.70
 110.00 9 52 28 1991.62 -29.78 21.06 25.31 107.61 10 25 40 1391.6 -27.09 12.91
 110.00 0 48 22 3877.56 5.90 144.50 20.23 56.27 1 52 59 3277.6 1.42 138.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.3367 TRA 1.3957 TC3-2.2306 BAU .4572 SGT 2926.3 SGR 3726.9 SG3 1108.5 ST 930.5 SR 1395.0 SS 1904.2
 ROE -.5726 RRA 1.9040 RC3-2.0078 FAU .09393 RRT .9847 RRF .9969 RTF .9804 CRT .9939 CRS -.9907 CST -.9698
 FDE-2.5135 FRA 6.3411 FC3-7.1358 BSP 14666 SGB 4738.4 R23 .0734 R13 .9943 LSA 2526.8 MSA 230.1 SSA 10.3
 BOE .6643 BRA 2.3607 BC3 3.0011 FSP -3691 SG1 4721.3 SG2 402.5 THA 51.96 EL1 1674.6 EL2 85.6 ALF 56.36

LAUNCH DATE APR 20 1967

FLIGHT TIME 190.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 508.109

RL 150.28 LAL -0.00 LOL 209.24 VL 27.468 GAL 6.07 AZL 89.27 MCA 219.37 SMA 131.18 ECC .17933 INC .7252 VI 29.649
 RP 107.87 LAP -1.46 LOP 68.60 VP 38.065 GAP 1.41 AZP 90.56 TAL 149.93 TAP 9.29 RCA 107.65 APO 154.70 V2 35.131
 RC 87.767 GL 5.86 GP -40.43 ZAL 44.17 ZAP 106.60 ETS 347.42 ZAE 134.37 ETE 227.08 ZAC 128.48 ETC 346.78 CLP-112.04

PLANETOCENTRIC CONIC

C3 11.463 VHL 3.386 OLA 11.16 RAL 168.85 RAD 6567.4 VEL 11.526 PTH 2.01 VHP 4.016 OPA -20.26 RAP 128.88 ECC 1.1887
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 20 51 2443.62 -24.39 56.53 24.65 104.86 8 1 35 1843.6 -22.11 48.60
 90.00 22 10 17 4380.02 5.82 182.06 21.23 62.24 23 23 17 3780.0 2.06 175.39
 100.00 8 47 49 2163.18 -25.37 35.60 24.35 106.36 9 23 52 1563.2 -22.88 27.69
 100.00 23 26 1 4135.69 6.71 163.60 20.74 60.80 24 34 56 3535.7 2.77 157.03
 110.00 10 8 46 1909.87 -27.97 15.40 23.38 110.51 10 40 36 1309.9 -24.92 7.55
 110.00 0 25 29 3961.77 9.06 148.98 19.31 56.90 1 31 31 3361.8 4.63 142.68

DIFFERENTIAL CORRECTIONS

TOE -1.4805 TRA 1.6412 TC3-2.5121 BAU .4767
 RDE -1.5576 RRA 1.7596 RC3-1.8341 FAU .09550
 FDE-2.7738 FRA 6.5137 FC3-7.2126 BSP 14887
 BDE .7361 BRA 2.4061 BC3 3.1104 FSP -3806

MID-COURSE EXECUTION ACCURACY

SGT 3401.3 SGR 3412.4 SG3 1133.5
 RRT .9884 RRF .9961 RTF .9845
 SGB 4818.0 R23 .0761 R13 .9932
 SGI 4804.0 SG2 367.0 THA 45.09

ORBIT DETERMINATION ACCURACY

ST 1176.9 SR 1311.8 SS 2005.8
 CRT .9991 CRS -.9895 CST -.9829
 LSA 2661.1 MSA 217.9 SSA 11.0
 EL1 1762.0 EL2 37.0 ALF 48.11

LAUNCH DATE APR 20 1967

FLIGHT TIME 192.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 514.393

RL 150.28 LAL -0.00 LOL 209.24 VL 27.463 GAL 6.18 AZL 89.60 MCA 222.58 SMA 131.15 ECC .18060 INC .3991 VI 29.649
 RP 107.83 LAP -1.27 LOP 71.82 VP 38.073 GAP 1.86 AZP 90.29 TAL 149.62 TAP 12.20 RCA 107.46 APO 154.83 V2 35.143
 RC 89.906 GL 3.20 GP -37.54 ZAL 43.48 ZAP 111.05 ETS 344.95 ZAE 134.11 ETE 221.29 ZAC 130.47 ETC 347.78 CLP-116.94

PLANETOCENTRIC CONIC

C3 11.659 VHL 3.415 OLA 8.52 RAL 168.23 RAD 6567.4 VEL 11.535 PTH 2.01 VHP 4.006 OPA -17.13 RAP 128.39 ECC 1.1919
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 39 39 2360.82 -22.83 50.96 23.45 107.23 8 19 0 1760.8 -20.26 43.24
 90.00 21 46 32 4469.88 8.64 187.15 20.75 62.93 23 1 2 3869.9 4.94 180.43
 100.00 9 5 8 2085.12 -23.77 30.36 23.12 108.68 9 39 53 1485.1 -21.00 22.66
 100.00 23 3 45 4220.81 9.51 168.37 20.29 61.53 24 14 5 3620.8 5.63 161.73
 110.00 10 22 48 1842.04 -26.26 10.86 22.08 112.71 10 53 30 1242.0 -22.96 3.26
 110.00 0 6 29 4036.65 11.81 153.03 18.91 57.69 1 13 46 3436.7 7.46 146.63

DIFFERENTIAL CORRECTIONS

TOE -1.6290 TRA 1.8748 TC3-2.7422 BAU .4983
 RDE -1.5334 RRA 1.6194 RC3-1.6428 FAU .09503
 FDE-2.9873 FRA 6.5734 FC3-7.0563 BSP 15257
 BDE .8247 BRA 2.4774 BC3 3.1966 FSP -3848

MID-COURSE EXECUTION ACCURACY

SGT 3839.3 SGR 3100.0 SG3 1135.6
 RRT .9903 RRF .9950 RTF .9868
 SGB 4934.6 R23 .0735 R13 .9923
 SGI 4923.2 SG2 335.6 THA 38.86

ORBIT DETERMINATION ACCURACY

ST 1424.1 SR 1217.3 SS 2086.6
 CRT .9999 CRS -.9879 CST -.9892
 LSA 2796.3 MSA 210.0 SSA 11.5
 EL1 1873.4 EL2 13.8 ALF 40.52

LAUNCH DATE APR 20 1967

FLIGHT TIME 194.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 520.655

RL 150.28 LAL -0.00 LOL 209.24 VL 27.457 GAL 6.30 AZL 89.89 MCA 225.81 SMA 131.10 ECC .18212 INC .1095 VI 29.649
 RP 107.80 LAP -1.08 LOP 75.04 VP 38.079 GAP 2.31 AZP 90.08 TAL 149.28 TAP 15.08 RCA 107.23 APO 154.98 V2 35.154
 RC 92.232 GL .87 GP -34.82 ZAL 42.89 ZAP 115.40 ETS 342.89 ZAE 133.50 ETE 216.09 ZAC 132.17 ETC 349.11 CLP-121.50

PLANETOCENTRIC CONIC

C3 11.962 VHL 3.459 OLA 6.19 RAL 167.79 RAD 6567.5 VEL 11.548 PTH 2.02 VHP 4.035 OPA -14.22 RAP 128.04 ECC 1.1969
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 55 58 2291.78 -21.36 46.43 22.72 109.04 8 34 9 1691.8 -18.57 38.87
 90.00 21 26 40 4549.71 11.07 191.75 20.70 63.77 22 42 29 3949.7 7.46 184.93
 100.00 9 20 15 2019.93 -22.28 26.08 22.37 110.46 9 53 55 1419.9 -19.29 18.56
 100.00 22 45 4 4296.78 11.94 172.70 20.25 62.39 23 56 41 3696.8 8.15 165.96
 110.00 10 35 13 1785.30 -24.72 7.17 21.27 114.40 11 4 58 1185.3 -21.22 359.78
 110.00 23 46 35 4104.18 14.24 156.75 18.92 58.59 24 54 59 3504.2 9.98 150.24

DIFFERENTIAL CORRECTIONS

TOE -1.7800 TRA 2.0984 TC3-2.9175 BAU .5209
 RDE -1.5013 RRA 1.4876 RC3-1.4476 FAU .09269
 FDE-3.1462 FRA 6.5391 FC3-6.7080 BSP 15728
 BDE .9272 BRA 2.5721 BC3 3.2569 FSP -3818

MID-COURSE EXECUTION ACCURACY

SGT 4238.9 SGR 2799.3 SG3 1117.9
 RRT .9911 RRF .9934 RTF .9882
 SGB 5079.8 R23 .0657 R13 .9916
 SGI 5070.3 SG2 311.2 THA 33.35

ORBIT DETERMINATION ACCURACY

ST 1665.4 SR 1115.1 SS 2145.1
 CRT .9988 CRS -.9856 CST -.9925
 LSA 2928.6 MSA 205.3 SSA 11.9
 EL1 2003.8 EL2 45.7 ALF 33.79

LAUNCH DATE APR 20 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 526.895

RL 150.28 LAL -0.00 LOL 209.24 VL 27.450 GAL 6.43 AZL 90.15 MCA 229.03 SMA 131.05 ECC .18388 INC .1467 VI 29.649
 RP 107.77 LAP -1.11 LOP 78.27 VP 38.083 GAP 2.76 AZP 89.90 TAL 148.91 TAP 17.94 RCA 106.95 APO 155.15 V2 35.165
 RC 94.474 GL -1.15 GP -32.27 ZAL 42.36 ZAP 119.59 ETS 341.16 ZAE 132.63 ETE 211.52 ZAC 133.52 ETC 350.70 CLP-125.73

PLANETOCENTRIC CONIC

C3 12.362 VHL 3.516 OLA 4.12 RAL 167.49 RAD 6567.5 VEL 11.565 PTH 2.02 VHP 4.096 OPA -11.54 RAP 127.85 ECC 1.2034
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 10 28 2233.66 -20.03 42.69 22.37 110.45 8 47 41 1633.7 -17.06 35.27
 90.00 21 9 48 4621.71 13.21 195.96 20.99 64.72 22 26 50 4021.7 9.69 189.05
 100.00 9 33 44 1965.06 -20.93 22.57 22.00 111.84 10 6 29 1365.1 -17.78 15.19
 100.00 22 29 13 4365.54 14.08 176.69 20.55 63.36 23 41 58 3765.5 10.39 169.84
 110.00 10 46 25 1737.61 -23.34 4.15 20.85 115.71 11 15 22 1137.6 -19.69 356.92
 110.00 23 33 1 4165.76 16.39 160.22 19.25 59.58 24 42 27 3565.8 12.23 153.59

DIFFERENTIAL CORRECTIONS

TOE -1.9325 TRA 2.3129 TC3-3.0397 BAU .5438
 RDE -1.4636 RRA 1.3658 RC3-1.2600 FAU .08889
 FDE-3.2520 FRA 6.4291 FC3-6.2253 BSP 16276
 BDE 1.0414 BRA 2.6861 BC3 3.2905 FSP -3730

MID-COURSE EXECUTION ACCURACY

SGT 4599.8 SGR 2517.0 SG3 1084.6
 RRT .9911 RRF .9913 RTF .9889
 SGB 5243.5 R23 .0536 R13 .9911
 SGI 5235.2 SG2 294.7 THA 28.57

ORBIT DETERMINATION ACCURACY

ST 1897.0 SR 1009.8 SS 2182.6
 CRT .9964 CRS -.9823 CST -.9945
 LSA 3056.2 MSA 202.9 SSA 12.2
 EL1 2147.7 EL2 75.2 ALF 27.98

LAUNCH DATE APR 20 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC
 RL 150.28 LAL -1.00 LOL 209.24 VL 27.441 GAL 6.58 AZL 90.38 HCA 232.26 SMA 130.99 ECC .18590 INC .3823 V1 29.649
 RP 107.73 LAP .30 LOP 81.49 VP 38.087 GAP 3.21 AZP 89.77 TAL 148.51 TAP 20.76 RCA 106.64 APO 155.34 V2 35.175
 RC 96.719 GL -2.91 GP -29.91 ZAL 41.87 ZAP 123.58 ETS 339.71 ZAE 131.60 ETE 207.59 ZAC 134.54 ETC 352.47 CLP-129.65

PLANETOCENTRIC CONIC
 C3 12.851 VHL 3.585 CLA 2.28 RAL 167.32 RAD 6567.5 VEL 11.586 PTH 2.03 VHP 4.187 DPA -9.11 RAP 127.85 ECC 1.2115
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 23 35 2184.51 -18.83 39.59 22.35 111.55 8 59 59 1584.5 -15.74 32.28
 90.00 20 55 22 4687.44 15.08 199.88 21.56 65.75 22 13 29 4087.4 11.68 192.85
 100.00 9 45 59 1918.72 -19.73 19.65 21.96 112.92 10 17 57 1318.7 -16.46 12.39
 100.00 22 15 39 4428.46 15.97 180.41 21.13 64.39 23 29 27 3828.5 12.39 173.44
 110.00 10 56 39 1697.50 -22.14 1.66 20.77 116.74 11 24 57 1097.5 -18.37 354.56
 110.00 23 21 27 4222.44 18.32 163.49 19.85 60.62 24 31 50 3622.4 14.27 156.72

MID-COURSE EXECUTION ACCURACY
 SGT 4924.4 SGR 2257.7 SG3 1039.9
 RRT .9902 RRF .9885 RTF .9894
 SGB 5417.2 R23 .0391 R13 .9906
 SGI 5409.6 SG2 286.6 TMA 24.49

ORBIT DETERMINATION ACCURACY
 ST 2116.4 SR 905.4 SS 2201.5
 CRT .9928 CRS -.9777 CST -.9957
 LSA 3178.8 MSA 201.9 SSA 12.4
 EL1 2299.8 EL2 99.6 ALF 23.06

DIFFERENTIAL CORRECTIONS
 TDE-1.0859 TRA 2.5203 TC3-3.1142 BAU .5667
 RDE -.4226 RRA 1.2555 RC3-1.0873 FAU .08406
 FDE-3.3100 FRA 6.2642 FC3-5.6629 BSP 16875
 BOE 1.1652 BRA 2.8157 BC3 3.2985 FSP -3597

LAUNCH DATE APR 20 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC
 RL 150.28 LAL -1.00 LOL 209.24 VL 27.431 GAL 6.75 AZL 90.60 HCA 235.48 SMA 130.92 ECC .18818 INC .5978 V1 29.649
 RP 107.70 LAP .49 LOP 84.72 VP 38.088 GAP 3.67 AZP 89.66 TAL 148.08 TAP 23.56 RCA 106.28 APO 155.55 V2 35.185
 RC 98.967 GL -4.45 GP -27.74 ZAL 41.39 ZAP 127.35 ETS 338.48 ZAE 130.48 ETE 204.23 ZAC 135.21 ETC 354.35 CLP-132.28

PLANETOCENTRIC CONIC
 C3 13.427 VHL 3.664 CLA .63 RAL 167.27 RAD 6567.5 VEL 11.611 PTH 2.03 VHP 4.303 DPA -6.92 RAP 128.03 ECC 1.2210
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 35 36 2142.89 -17.77 36.99 22.60 112.42 9 11 19 1542.9 -14.57 29.77
 90.00 20 42 56 4748.03 16.74 203.55 22.37 66.82 22 2 4 4148.0 13.46 196.41
 100.00 9 57 14 1879.57 -18.67 17.22 22.19 113.77 10 28 33 1279.6 -15.30 10.05
 100.00 22 3 59 4486.58 17.64 183.91 21.95 65.47 23 18 45 3886.6 14.19 176.82
 110.00 11 6 9 1663.87 -21.09 359.61 20.95 117.54 11 33 53 1063.9 -17.24 352.61
 110.00 23 11 33 4275.05 20.05 166.59 20.69 61.71 24 22 48 3675.1 16.11 159.68

MID-COURSE EXECUTION ACCURACY
 SGT 5214.6 SGR 2022.9 SG3 987.6
 RRT .9884 RRF .9848 RTF .9895
 SGB 5593.3 R23 .0245 R13 .9902
 SGI 5585.9 SG2 286.4 TMA 21.04

ORBIT DETERMINATION ACCURACY
 ST 2320.3 SR 803.8 SS 2201.3
 CRT .9875 CRS -.9712 CST -.9966
 LSA 3291.6 MSA 201.9 SSA 12.6
 EL1 2452.6 EL2 120.0 ALF 18.93

DIFFERENTIAL CORRECTIONS
 TDE-1.2377 TRA 2.7247 TC3-3.1396 BAU .5878
 RDE -.3787 RRA 1.1578 RC3 -.9295 FAU .07828
 FDE-3.3202 FRA 6.0677 FC3-5.0471 BSP 17450
 BOE 1.2943 BRA 2.9605 BC3 3.2743 FSP -3424

LAUNCH DATE APR 20 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC
 RL 150.28 LAL -1.00 LOL 209.24 VL 27.420 GAL 6.94 AZL 90.80 HCA 238.72 SMA 130.84 ECC .19072 INC .7972 V1 29.649
 RP 107.67 LAP .68 LOP 87.95 VP 38.089 GAP 4.13 AZP 89.59 TAL 147.62 TAP 26.34 RCA 105.88 APO 155.79 V2 35.195
 RC 101.218 GL -5.79 GP -25.76 ZAL 40.91 ZAP 130.90 ETS 337.41 ZAE 129.31 ETE 201.39 ZAC 135.55 ETC 356.25 CLP-136.63

PLANETOCENTRIC CONIC
 C3 14.092 VHL 3.754 CLA -.85 RAL 167.32 RAD 6567.6 VEL 11.639 PTH 2.04 VHP 4.441 DPA -4.97 RAP 128.39 ECC 1.2319
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 46 44 2107.75 -16.84 34.83 23.07 113.11 9 21 51 1507.7 -13.57 27.68
 90.00 20 32 11 4804.33 18.22 207.03 23.39 67.94 21 52 16 4204.3 15.06 199.77
 100.00 10 7 40 1846.63 -17.76 15.20 22.65 114.45 10 38 27 1246.6 -14.31 8.11
 100.00 21 53 56 4540.68 19.14 187.23 22.98 66.59 23 9 36 3940.7 15.81 180.02
 110.00 11 15 1 1635.84 -20.20 357.93 21.37 118.18 11 42 17 1035.8 -16.28 351.00
 110.00 23 3 5 4324.24 21.60 169.56 21.74 62.84 24 15 9 3724.2 17.79 162.50

MID-COURSE EXECUTION ACCURACY
 SGT 5473.8 SGR 1813.1 SG3 931.2
 RRT .9857 RRF .9800 RTF .9896
 SGB 5766.3 R23 .0106 R13 .9899
 SGI 5759.0 SG2 290.4 TMA 18.13

ORBIT DETERMINATION ACCURACY
 ST 2511.4 SR 709.2 SS 2190.6
 CRT .9799 CRS -.9623 CST -.9972
 LSA 3401.1 MSA 202.5 SSA 12.8
 EL1 2606.0 EL2 136.2 ALF 15.51

DIFFERENTIAL CORRECTIONS
 TDE-1.3912 TRA 2.9243 TC3-3.1319 BAU .6087
 RDE -.3356 RRA 1.0704 RC3 -.7941 FAU .07242
 FDE-3.3036 FRA 5.8445 FC3-4.4490 BSP 18078
 BOE 1.4311 BRA 3.1140 BC3 3.2310 FSP -3245

LAUNCH DATE APR 20 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC
 RL 150.28 LAL -1.00 LOL 209.24 VL 27.408 GAL 7.15 AZL 90.98 HCA 241.95 SMA 130.75 ECC .19353 INC .9834 V1 29.649
 RP 107.65 LAP .87 LOP 91.18 VP 38.088 GAP 4.60 AZP 89.54 TAL 147.14 TAP 29.09 RCA 105.45 APO 156.05 V2 35.204
 RC 103.470 GL -6.96 GP -23.96 ZAL 40.42 ZAP 134.22 ETS 336.47 ZAE 128.15 ETE 199.00 ZAC 135.59 ETC 358.11 CLP-139.74

PLANETOCENTRIC CONIC
 C3 14.849 VHL 3.854 CLA -2.12 RAL 167.46 RAD 6567.6 VEL 11.672 PTH 2.05 VHP 4.599 DPA -3.25 RAP 128.92 ECC 1.2444
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 57 7 2078.24 -16.04 33.03 23.76 113.65 9 31 45 1478.2 -12.71 25.94
 90.00 20 22 54 4857.04 19.53 210.34 24.59 69.08 21 43 51 4257.0 16.51 202.96
 100.00 10 17 26 1819.11 -16.97 13.54 23.32 114.98 10 47 45 1219.1 -13.47 6.50
 100.00 21 45 16 4591.40 20.48 190.40 24.19 67.74 23 1 47 3991.4 17.28 183.07
 110.00 11 23 22 1612.76 -19.45 356.55 22.00 118.68 11 50 14 1012.8 -15.47 349.69
 110.00 22 55 50 4370.53 23.01 172.41 22.97 64.00 24 8 40 3770.5 19.33 165.21

MID-COURSE EXECUTION ACCURACY
 SGT 5705.6 SGR 1627.4 SG3 873.3
 RRT .9818 RRF .9738 RTF .9895
 SGB 5933.1 R23 -.0016 R13 .9896
 SGI 5925.7 SG2 297.8 TMA 15.68

ORBIT DETERMINATION ACCURACY
 ST 2688.0 SR 621.9 SS 2169.1
 CRT .9692 CRS -.9500 CST -.9976
 LSA 3503.6 MSA 203.4 SSA 12.9
 EL1 2755.0 EL2 149.5 ALF 12.68

DIFFERENTIAL CORRECTIONS
 TDE-1.5449 TRA 3.1233 TC3-3.0925 BAU .6285
 RDE -.2930 RRA .9937 RC3 -.6774 FAU .06648
 FDE-3.2610 FRA 5.6126 FC3-3.8757 BSP 18688
 BOE 1.5725 BRA 3.2776 BC3 3.1658 FSP -3056

LAUNCH DATE APR 20 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 557.713

RL 150.28 LAL -1.00 LOL 209.24 VL 27.394 GAL 7.37 AZL 91.16 MCA 245.18 SMA 130.66 ECC .19664 INC 1.1588 V1 29.649
 RP 107.62 LAP 1.05 LOP 94.42 VP 38.087 GAP 5.08 AZP 89.51 TAL 146.63 TAP 31.81 RCA 104.96 APO 156.35 V2 35.212
 RC 105.723 GL -7.97 GP -22.33 ZAL 39.92 ZAP 137.31 ETS 335.60 ZAE 127.02 ETE 196.99 ZAC 135.35 ETC 359.88 CLP-142.62

PLANETOCENTRIC CONIC

C3 15.704 VML 3.963 DLA -3.37 RAL 167.67 RAD 6567.6 VEL 11.708 PTH 2.06 VMP 4.776 DPA -1.74 RAP 129.62 ECC 1.2585
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 6 51 2053.74 -15.37 31.55 24.61 114.08 9 41 5 1453.7 -11.99 24.50
 90.00 20 14 53 4906.70 20.71 213.50 25.95 70.24 21 36 40 4306.7 17.83 206.01
 100.00 10 26 37 1796.42 -16.32 12.17 24.16 115.40 10 56 34 1196.4 -12.76 5.18
 100.00 21 37 48 4639.25 21.68 193.45 25.56 68.90 22 55 7 4039.3 18.62 185.99
 110.00 11 31 16 1594.07 -18.84 355.45 22.80 119.07 11 57 50 994.1 -14.82 348.64
 110.00 22 49 39 4414.36 24.30 175.17 24.36 65.18 24 3 13 3814.4 20.74 167.83

DIFFERENTIAL CORRECTIONS

TDE-1.6983 TRA 3.3241 TC3-3.0239 BAU .6463
 RDE -.2510 RRA .9269 RC3 -.5765 FAU .06051
 FDE-3.1972 FRA 5.3820 FC3-3.3356 BSP 19265
 BDE 1.7167 BRA 3.4509 BC3 3.0783 FSP -2862

MID-COURSE EXECUTION ACCURACY

SGT 5911.9 SGR 1463.7 SG3 815.6
 RRT .9764 RRF .9661 RTF .9893
 SGB 6090.4 R23 -.0114 R13 .9893
 SG1 6082.6 SG2 307.5 THA 13.63

ORBIT DETERMINATION ACCURACY

ST 2849.6 SR 542.3 SS 2138.2
 CRT .9537 CRS -.9327 CST -.9979
 LSA 3597.8 MSA 204.5 SSA 13.0
 EL1 2896.3 EL2 160.5 ALF 10.32

LAUNCH DATE APR 20 1967

FLIGHT TIME 208.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 563.790

RL 150.28 LAL -1.00 LOL 209.24 VL 27.380 GAL 7.62 AZL 91.33 MCA 248.42 SMA 130.56 ECC .20004 INC 1.3253 V1 29.649
 RP 107.60 LAP 1.23 LOP 97.65 VP 38.083 GAP 5.56 AZP 89.51 TAL 146.10 TAP 34.52 RCA 104.44 APO 156.67 V2 35.220
 RC 107.975 GL -8.85 GP -20.85 ZAL 39.41 ZAP 140.21 ETS 334.78 ZAE 125.95 ETE 195.30 ZAC 134.87 ETC 1.53 CLP-145.31

PLANETOCENTRIC CONIC

C3 16.665 VML 4.082 DLA -4.44 RAL 167.96 RAD 6567.7 VEL 11.749 PTH 2.07 VMP 4.971 DPA -.43 RAP 130.47 ECC 1.2743
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 16 3 2033.74 -14.81 30.35 25.63 114.41 9 49 56 1433.7 -11.39 23.34
 90.00 20 7 58 4953.74 21.76 216.55 27.47 71.42 21 30 32 4353.7 19.02 208.95
 100.00 10 35 18 1778.06 -15.78 11.08 25.16 115.72 11 4 56 1178.1 -12.19 4.12
 100.00 21 31 24 4684.65 22.77 196.38 27.09 70.09 22 49 28 4084.7 19.85 188.80
 110.00 11 38 46 1579.38 -18.35 354.59 23.76 119.36 12 5 5 979.4 -14.30 347.82
 110.00 22 44 25 4456.10 25.46 177.85 25.91 66.38 23 58 41 3856.1 22.05 170.36

DIFFERENTIAL CORRECTIONS

TDE-1.8495 TRA 3.5309 TC3-2.9259 BAU .6609
 RDE -.2096 RRA .8693 RC3 -.4887 FAU .05447
 FDE-3.1147 FRA 5.1623 FC3-2.8299 BSP 19739
 BDE 1.8613 BRA 3.6363 BC3 2.9665 FSP -2661

MID-COURSE EXECUTION ACCURACY

SGT 6095.3 SGR 1320.3 SG3 759.4
 RRT .9692 RRF .9565 RTF .9891
 SGB 6236.6 R23 -.0188 R13 .9889
 SG1 6228.5 SG2 318.4 THA 11.89

ORBIT DETERMINATION ACCURACY

ST 2994.5 SR 470.6 SS 2098.2
 CRT .9310 CRS -.9078 CST -.9982
 LSA 3680.8 MSA 205.8 SSA 13.1
 EL1 3026.5 EL2 170.0 ALF 8.35

LAUNCH DATE APR 20 1967

FLIGHT TIME 210.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 569.832

RL 150.28 LAL -1.00 LOL 209.24 VL 27.365 GAL 7.89 AZL 91.48 MCA 251.66 SMA 130.45 ECC .20375 INC 1.4847 V1 29.649
 RP 107.58 LAP 1.41 LOP 100.89 VP 38.079 GAP 6.05 AZP 89.53 TAL 145.54 TAP 37.20 RCA 103.87 APO 157.03 V2 35.227
 RC 110.226 GL -9.60 GP -19.53 ZAL 38.87 ZAP 142.91 ETS 333.97 ZAE 124.93 ETE 193.88 ZAC 134.17 ETC 3.03 CLP-147.82

PLANETOCENTRIC CONIC

C3 17.740 VML 4.212 DLA -5.41 RAL 168.30 RAD 6567.7 VEL 11.795 PTH 2.09 VMP 5.181 DPA .69 RAP 131.46 ECC 1.2920
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 24 44 2017.83 -14.36 29.39 26.79 114.67 9 58 22 1417.8 -10.91 22.41
 90.00 20 2 2 4998.54 22.70 219.50 29.11 72.60 21 25 20 4398.5 20.11 211.79
 100.00 10 43 31 1763.66 -15.35 10.22 26.31 115.97 11 12 55 1163.7 -11.73 3.30
 100.00 21 25 56 4727.94 23.74 199.23 28.74 71.28 22 44 44 4127.9 20.97 191.53
 110.00 11 45 55 1568.32 -17.98 353.95 24.86 119.57 12 12 3 968.3 -13.91 347.20
 110.00 22 40 1 4496.05 26.52 180.47 27.59 67.60 23 54 57 3896.0 23.25 172.84

DIFFERENTIAL CORRECTIONS

TDE-2.0049 TRA 3.7389 TC3-2.8178 BAU .6755
 RDE -.1707 RRA .8182 RC3 -.4165 FAU .04904
 FDE-3.0307 FRA 4.9465 FC3-2.3931 BSP 20262
 BDE 2.0122 BRA 3.8274 BC3 2.8484 FSP -2481

MID-COURSE EXECUTION ACCURACY

SGT 6258.9 SGR 1194.5 SG3 705.9
 RRT .9601 RRF .9449 RTF .9888
 SGB 6371.9 R23 -.0252 R13 .9886
 SG1 6363.4 SG2 328.7 THA 10.41

ORBIT DETERMINATION ACCURACY

ST 3129.3 SR 408.1 SS 2057.0
 CRT .8991 CRS -.8737 CST -.9984
 LSA 3761.3 MSA 206.8 SSA 13.2
 EL1 3150.8 EL2 177.4 ALF 6.71

LAUNCH DATE APR 20 1967

FLIGHT TIME 212.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 575.838

RL 150.28 LAL -1.00 LOL 209.24 VL 27.349 GAL 8.18 AZL 91.64 MCA 254.90 SMA 130.34 ECC .20780 INC 1.6382 V1 29.649
 RP 107.56 LAP 1.58 LOP 104.13 VP 38.074 GAP 6.55 AZP 89.57 TAL 144.97 TAP 39.87 RCA 103.25 APO 157.42 V2 35.233
 RC 112.475 GL -10.24 GP -18.33 ZAL 38.32 ZAP 145.43 ETS 333.14 ZAE 123.97 ETE 192.67 ZAC 133.29 ETC 4.38 CLP-150.17

PLANETOCENTRIC CONIC

C3 18.942 VML 4.352 DLA -6.28 RAL 168.70 RAD 6567.8 VEL 11.846 PTH 2.10 VMP 5.408 DPA 1.65 RAP 132.57 ECC 1.3117
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 32 58 2005.67 -14.01 28.67 28.08 114.86 10 6 24 1405.7 -10.55 21.71
 90.00 19 56 59 5041.39 23.54 222.36 30.88 73.80 21 21 0 4441.4 21.10 214.54
 100.00 10 51 19 1752.89 -15.03 9.58 27.58 116.15 11 20 32 1152.9 -11.39 2.68
 100.00 21 21 18 4769.40 24.62 202.00 30.52 72.49 22 40 48 4169.4 21.99 194.19
 110.00 11 52 44 1560.60 -17.72 353.50 26.09 119.72 12 18 45 960.6 -13.63 346.78
 110.00 22 36 23 4534.46 27.49 183.04 29.40 68.84 23 51 57 3934.5 24.37 175.26

DIFFERENTIAL CORRECTIONS

TDE-2.1616 TRA 3.9540 TC3-2.6946 BAU .6883
 RDE -.1332 RRA .7736 RC3 -.3550 FAU .04390
 FDE-2.9413 FRA 4.7444 FC3-2.0062 BSP 20744
 BDE 2.1657 BRA 4.0289 BC3 2.7179 FSP -2309

MID-COURSE EXECUTION ACCURACY

SGT 6404.8 SGR 1084.4 SG3 655.3
 RRT .9487 RRF .9309 RTF .9885
 SGB 6495.9 R23 -.0301 R13 .9883
 SG1 6487.1 SG2 338.5 THA 9.15

ORBIT DETERMINATION ACCURACY

ST 3251.2 SR 354.0 SS 2012.3
 CRT .8537 CRS -.8258 CST -.9986
 LSA 3834.3 MSA 207.8 SSA 13.2
 EL1 3265.3 EL2 183.5 ALF 5.33

LAUNCH DATE APR 20 1967

FLIGHT TIME 214.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC
 RL 150.28 LAL -1.00 LOL 209.24 VL 27.333 GAL 8.50 AZL 91.79 MCA 258.14 SMA 130.22 ECC .21221 INC 1.7871 V1 29.649
 RP 107.54 LAP 1.75 LOP 107.37 VP 38.067 GAP 7.07 AZP 89.63 TAL 144.38 TAP 42.51 RCA 102.59 APO 157.86 V2 35.239
 RC 114.720 GL -10.79 GP -17.26 ZAL 37.75 ZAP 147.79 ETS 332.28 ZAE 123.08 ETE 191.65 ZAC 132.25 ETC 5.58 CLP-152.37

PLANETOCENTRIC CONIC
 C3 20.286 VHL 4.504 CLA -7.07 RAL 169.15 RAD 6567.8 VEL 11.902 PTH 2.11 VHP 5.650 DPA 2.44 RAP 133.80 ECC 1.3339
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 40 47 1997.01 -13.76 28.15 29.49 114.99 10 1A 4 1397.0 -10.28 21.21
 90.00 19 52 43 5082.56 24.30 225.14 32.76 74.99 21 17 25 4482.6 22.00 217.22
 100.00 10 58 44 1745.50 -14.81 9.15 28.97 116.27 11 27 50 1145.5 -11.16 2.26
 100.00 21 17 26 4809.30 25.41 204.70 32.42 73.70 22 37 35 4209.3 22.93 196.78
 110.00 11 59 16 1556.01 -17.56 353.24 27.44 119.81 12 25 12 956.0 -13.47 346.52
 110.00 22 33 24 4571.56 28.38 185.56 31.33 70.09 23 49 36 3971.6 25.40 177.65

MID-COURSE EXECUTION ACCURACY
 SGT 6534.3 SGR 987.9 SG3 607.9
 RRT .9347 RRF .9144 RTF .9882
 SGB 6608.5 R23 -.0337 R13 .9880
 SG1 6599.4 SG2 347.6 TMA 8.07

ORBIT DETERMINATION ACCURACY
 ST 3360.9 SR 308.4 SS 1965.3
 CRT .7899 CRS -.7593 CST -.9988
 LSA 3899.9 MSA 208.6 SSA 13.2
 EL1 3369.7 EL2 188.6 ALF 4.16

DIFFERENTIAL CORRECTIONS
 TOE-2.3200 TRA 4.1772 TC3-2.5593 BAU .6989
 RDE -.0970 RRA .7345 RC3 -.3026 FAU .03905
 FDE-2.8492 FRA 4.5568 FC3-1.6663 BSP 21187
 BDE 2.3220 BRA 4.2413 BC3 2.5771 FSP -2145

LAUNCH DATE APR 20 1967

FLIGHT TIME 216.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC
 RL 150.28 LAL -1.00 LOL 209.24 VL 27.315 GAL 8.84 AZL 91.93 MCA 261.38 SMA 130.10 ECC .21699 INC 1.9326 V1 29.649
 RP 107.52 LAP 1.91 LOP 110.61 VP 38.060 GAP 7.60 AZP 89.71 TAL 143.77 TAP 45.15 RCA 101.87 APO 158.34 V2 35.244
 RC 116.961 GL -11.25 GP -16.29 ZAL 37.17 ZAP 150.00 ETS 331.35 ZAE 122.25 ETE 190.77 ZAC 131.06 ETC 6.63 CLP-154.46

PLANETOCENTRIC CONIC
 C3 21.788 VHL 4.668 CLA -7.77 RAL 169.63 RAD 6567.9 VEL 11.965 PTH 2.13 VHP 5.908 DPA 3.09 RAP 135.12 ECC 1.3586
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 48 11 1991.60 -13.61 27.83 31.00 115.07 10 21 23 1391.6 -10.12 20.89
 90.00 19 49 9 5122.26 24.97 227.85 34.75 76.19 21 14 32 4522.3 22.83 219.84
 100.00 11 5 47 1741.26 -14.68 8.90 30.47 116.34 11 34 49 1141.3 -11.02 2.01
 100.00 21 14 15 4847.84 26.12 207.34 34.43 74.92 22 35 2 4247.8 23.79 199.31
 110.00 12 5 30 1554.33 -17.51 353.14 28.90 119.84 12 31 24 954.3 -13.41 346.43
 110.00 22 31 2 4607.53 29.19 188.05 33.38 71.37 23 47 49 4007.5 26.37 180.00

MID-COURSE EXECUTION ACCURACY
 SGT 6648.9 SGR 903.2 SG3 563.9
 RRT .9180 RRF .8951 RTF .9879
 SGB 6709.9 R23 -.0363 R13 .9877
 SG1 6700.5 SG2 355.5 TMA 7.13

ORBIT DETERMINATION ACCURACY
 ST 3459.0 SR 271.2 SS 1917.3
 CRT .7025 CRS -.6695 CST -.9989
 LSA 3958.6 MSA 209.1 SSA 13.1
 EL1 3464.3 EL2 192.7 ALF 3.16

DIFFERENTIAL CORRECTIONS
 TOE-2.4809 TRA 4.4102 TC3-2.4149 BAU .7074
 RDE -.0621 RRA .7000 RC3 -.2578 FAU .03451
 FDE-2.7573 FRA 4.3838 FC3-1.3714 BSP 21593
 BDE 2.4817 BRA 4.4654 BC3 2.4286 FSP -1993

LAUNCH DATE APR 20 1967

FLIGHT TIME 218.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC
 RL 150.28 LAL -1.00 LOL 209.24 VL 27.298 GAL 9.21 AZL 92.08 MCA 264.62 SMA 129.98 ECC .22218 INC 2.0757 V1 29.649
 RP 107.51 LAP 2.07 LOP 113.86 VP 38.051 GAP 8.15 AZP 89.81 TAL 143.15 TAP 47.77 RCA 101.10 APO 158.86 V2 35.248
 RC 119.197 GL -11.62 GP -15.41 ZAL 36.58 ZAP 152.08 ETS 330.33 ZAE 121.48 ETE 190.02 ZAC 129.76 ETC 7.55 CLP-156.43

PLANETOCENTRIC CONIC
 C3 23.468 VHL 4.844 CLA -8.41 RAL 170.15 RAD 6568.0 VEL 12.035 PTH 2.15 VHP 6.182 DPA 3.61 RAP 136.53 ECC 1.3862
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 55 13 1989.27 -13.54 27.70 32.62 115.11 10 28 23 1389.3 -10.05 20.76
 90.00 19 46 15 5160.68 25.57 230.51 36.84 77.40 21 12 16 4560.7 23.58 222.40
 100.00 11 12 29 1740.00 -14.64 8.82 32.07 116.36 11 41 29 1140.0 -10.98 1.94
 100.00 21 11 40 4885.19 26.75 209.93 36.53 76.14 22 33 5 4285.2 24.58 201.81
 110.00 12 11 27 1555.40 -17.54 353.20 30.46 119.82 12 37 22 955.4 -13.45 346.49
 110.00 22 29 12 4642.54 29.93 190.51 35.52 72.65 23 46 35 4042.5 27.26 182.33

MID-COURSE EXECUTION ACCURACY
 SGT 6750.0 SGR 828.8 SG3 523.0
 RRT .8981 RRF .8728 RTF .9876
 SGB 6800.7 R23 -.0379 R13 .9874
 SG1 6791.1 SG2 362.3 TMA 6.31

ORBIT DETERMINATION ACCURACY
 ST 3543.4 SR 242.5 SS 1867.0
 CRT .5863 CRS -.5514 CST -.9991
 LSA 4007.0 MSA 209.7 SSA 13.1
 EL1 3546.3 EL2 196.3 ALF 2.30

DIFFERENTIAL CORRECTIONS
 TOE-2.6415 TRA 4.6580 TC3-2.2587 BAU .7119
 RDE -.0276 RRA .6696 RC3 -.2186 FAU .03012
 FDE-2.6626 FRA 4.2290 FC3-1.1111 BSP 21880
 BDE 2.6416 BRA 4.7059 BC3 2.2692 FSP -1842

LAUNCH DATE APR 20 1967

FLIGHT TIME 220.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC
 RL 150.28 LAL -1.00 LOL 209.24 VL 27.279 GAL 9.60 AZL 92.22 MCA 267.87 SMA 129.85 ECC .22782 INC 2.2172 V1 29.649
 RP 107.50 LAP 2.22 LOP 117.10 VP 38.041 GAP 8.71 AZP 89.92 TAL 142.52 TAP 50.39 RCA 100.27 APO 159.44 V2 35.252
 RC 121.426 GL -11.93 GP -14.62 ZAL 35.97 ZAP 154.04 ETS 329.20 ZAE 120.76 ETE 189.37 ZAC 128.36 ETC 8.34 CLP-158.31

PLANETOCENTRIC CONIC
 C3 25.349 VHL 5.035 CLA -8.98 RAL 170.69 RAD 6568.0 VEL 12.113 PTH 2.17 VHP 6.473 DPA 4.02 RAP 138.02 ECC 1.4172
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 1 53 1989.85 -13.56 27.73 34.32 115.10 10 35 3 1389.8 -10.06 20.79
 90.00 19 43 56 5197.98 26.10 233.11 39.02 78.60 21 10 34 4598.0 24.26 224.92
 100.00 11 18 51 1741.55 -14.69 8.91 33.76 116.33 11 47 53 1141.6 -11.03 2.03
 100.00 21 9 39 4921.50 27.32 212.49 38.73 77.37 22 31 41 4321.5 25.31 204.26
 110.00 12 17 7 1559.09 -17.67 353.41 32.11 119.75 12 43 6 959.1 -13.58 346.69
 110.00 22 27 52 4676.73 30.59 192.94 37.77 73.95 23 45 49 4076.7 28.09 184.64

MID-COURSE EXECUTION ACCURACY
 SGT 6839.1 SGR 762.7 SG3 485.3
 RRT .8749 RRF .8474 RTF .9873
 SGB 6881.5 R23 -.0391 R13 .9871
 SG1 6871.7 SG2 367.6 TMA 5.59

ORBIT DETERMINATION ACCURACY
 ST 3621.2 SR 221.9 SS 1819.7
 CRT .4453 CRS -.4093 CST -.9992
 LSA 4053.3 MSA 209.7 SSA 13.0
 EL1 3622.5 EL2 198.7 ALF 1.57

DIFFERENTIAL CORRECTIONS
 TOE-2.8097 TRA 4.9144 TC3-2.1050 BAU .7162
 RDE .0053 RRA .6417 RC3 -.1860 FAU .02625
 FDE-2.5761 FRA 4.0842 FC3 -.8964 BSP 22229
 BDE 2.8097 BRA 4.9561 BC3 2.1132 FSP -1712

LAUNCH DATE APR 21 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUN 30 1967

HELIOCENTRIC CONIC

DISTANCE 123.503

RL 150.32 LAL -.00 LOL 210.21 VL 13.979 GAL 34.94 AZL 87.96 MCA 29.19 SMA 84.52 ECC .85760 INC 2.0364 V1 29.641
 RP 108.44 LAP .99 LOP 239.39 VP 29.622 GAP -57.57 AZP 88.22 TAL 173.04 TAP 202.23 RCA 12.04 APO 156.99 V2 34.947
 RC 94.621 GL 1.19 GP 2.52 ZAL 67.50 ZAP 37.23 ETS 186.51 ZAE 133.73 ETE 178.05 ZAC 159.95 ETC 60.11 CLP 37.16

PLANETOCENTRIC CONIC

C3 387.632 VHL 19.688 DLA 15.07 RAL 145.47 RAD 6572.1 VEL 22.560 PTH 3.26 VHP 31.687 DPA 26.97 RAP 97.12 ECC 7.3794
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 9 46 3304.82 -24.48 117.99 57.84 75.30 6 4 51 2704.8 -26.26 109.78
 90.00 21 6 55 4972.68 22.16 217.79 44.55 71.91 22 29 48 4372.7 19.49 210.14
 100.00 6 39 17 3016.13 -26.27 97.28 58.36 75.21 7 29 33 2416.1 -28.05 88.93
 100.00 22 20 5 4736.61 23.93 199.80 43.92 71.53 23 39 2 4136.6 21.18 192.08
 110.00 8 5 46 2745.53 -31.02 78.18 59.81 74.86 8 51 32 2145.5 -32.78 69.40
 110.00 23 10 5 4579.97 28.57 186.14 42.13 70.39 24 26 25 3980.0 25.63 178.19

DIFFERENTIAL CORRECTIONS

TDE .8005 TRA-2.1998 TC3 -.1022 BAU .5296
 RDE-1.4442 RRA -.6466 RC3 .0018 FAU .01121
 FDE -.2893 FRA .7266 FC3 -.0250 BSP 1906
 BDE 1.6512 BRA 2.2929 BC3 .1022 FSP -44

MID-COURSE EXECUTION ACCURACY

SGT 809.7 SGR 463.3 SG3 22.0
 RRT .0757 RRF -.0678 RTF -.6072
 SGB 932.9 R23 .0002 R13 -.6076
 SG1 810.9 SG2 461.4 THA 3.67

ORBIT DETERMINATION ACCURACY

ST 306.5 SR 424.3 SS 292.5
 CRT -.6633 CRS -.6958 CST .9968
 LSA 549.3 MSA 240.2 SSA 14.1
 EL1 483.2 EL2 201.5 ALF 121.74

LAUNCH DATE APR 21 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 2 1967

HELIOCENTRIC CONIC

DISTANCE 128.640

RL 150.32 LAL -.00 LOL 210.21 VL 14.824 GAL 33.18 AZL 88.48 MCA 32.37 SMA 85.85 ECC .83345 INC 1.5150 V1 29.641
 RP 108.48 LAP .81 LOP 242.58 VP 30.015 GAP -55.05 AZP 88.72 TAL 172.14 TAP 204.51 RCA 14.30 APO 157.39 V2 34.935
 RC 92.217 GL 1.00 GP 2.57 ZAL 66.10 ZAP 35.71 ETS 186.74 ZAE 133.63 ETE 177.67 ZAC 158.95 ETC 56.45 CLP 35.63

PLANETOCENTRIC CONIC

C3 355.439 VHL 18.853 DLA 14.43 RAL 146.77 RAD 6572.0 VEL 21.834 PTH 3.23 VHP 30.573 DPA 27.02 RAP 98.98 ECC 6.8496
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 20 47 3273.18 -25.01 115.83 58.30 76.26 6 15 20 2673.2 -26.65 107.54
 90.00 21 6 18 4986.51 22.45 218.70 45.36 72.28 22 29 25 4386.5 19.82 211.02
 100.00 6 49 50 2985.98 -26.78 95.19 58.78 76.20 7 39 36 2386.0 -28.41 86.76
 100.00 22 19 56 4748.94 24.19 200.63 44.75 71.89 23 39 5 4148.9 21.49 192.87
 110.00 8 15 20 2718.45 -31.49 76.21 60.12 75.95 9 0 39 2118.5 -33.09 67.35
 110.00 23 10 56 4589.23 28.78 186.77 43.02 70.71 24 27 25 3989.2 25.88 178.80

DIFFERENTIAL CORRECTIONS

TDE .8149 TRA-2.2191 TC3 -.1093 BAU .5193
 RDE-1.3960 RRA -.6441 RC3 .0025 FAU .01123
 FDE -.3060 FRA .7531 FC3 -.0273 BSP 2031
 BDE 1.6164 BRA 2.3107 BC3 .1093 FSP -49

MID-COURSE EXECUTION ACCURACY

SGT 846.1 SGR 470.0 SG3 23.7
 RRT .0798 RRF -.0721 RTF -.6257
 SGB 967.9 R23 -.0002 R13 -.6261
 SG1 847.3 SG2 467.9 THA 3.66

ORBIT DETERMINATION ACCURACY

ST 324.2 SR 428.6 SS 309.0
 CRT -.6650 CRS -.7012 CST .9967
 LSA 568.5 MSA 246.7 SSA 14.4
 EL1 494.8 EL2 209.7 ALF 123.49

LAUNCH DATE APR 21 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 4 1967

HELIOCENTRIC CONIC

DISTANCE 133.914

RL 150.32 LAL -.00 LOL 210.21 VL 15.622 GAL 31.57 AZL 88.92 MCA 35.55 SMA 87.22 ECC .80880 INC 1.0779 V1 29.641
 RP 108.51 LAP .63 LOP 245.76 VP 30.403 GAP -52.67 AZP 89.12 TAL 171.23 TAP 206.78 RCA 16.68 APO 157.76 V2 34.923
 RC 89.824 GL .79 GP 2.63 ZAL 64.74 ZAP 34.22 ETS 187.00 ZAE 133.60 ETE 177.25 ZAC 157.86 ETC 53.10 CLP 34.13

PLANETOCENTRIC CONIC

C3 326.085 VHL 18.058 DLA 13.78 RAL 148.02 RAD 6571.8 VEL 21.152 PTH 3.20 VHP 29.497 DPA 27.06 RAP 100.87 ECC 6.3665
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 31 30 3241.16 -25.50 113.61 58.64 77.26 6 25 31 2641.2 -27.01 105.27
 90.00 21 5 32 4999.66 22.72 219.57 46.10 72.63 22 28 52 4399.7 20.13 211.86
 100.00 7 0 6 2955.41 -27.26 93.04 59.08 77.23 7 49 21 2355.4 -28.74 84.55
 100.00 22 19 37 4760.65 24.44 201.41 45.50 72.23 23 38 58 4160.6 21.78 193.62
 110.00 8 24 39 2690.87 -31.92 74.17 60.31 77.08 9 9 30 2090.9 -33.37 65.24
 110.00 23 11 34 4597.95 28.98 187.38 43.82 71.02 24 28 12 3998.0 26.12 179.37

DIFFERENTIAL CORRECTIONS

TDE .8281 TRA-2.2395 TC3 -.1166 BAU .5087
 RDE-1.3477 RRA -.6402 RC3 .0034 FAU .01126
 FDE -.3230 FRA .7799 FC3 -.0299 BSP 2153
 BDE 1.5818 BRA 2.3292 BC3 .1167 FSP -53

MID-COURSE EXECUTION ACCURACY

SGT 884.2 SGR 476.2 SG3 25.5
 RRT .0844 RRF -.0766 RTF -.6434
 SGB 1004.2 R23 -.0004 R13 -.6438
 SG1 885.4 SG2 473.8 THA 3.65

ORBIT DETERMINATION ACCURACY

ST 342.6 SR 432.2 SS 325.9
 CRT -.6658 CRS -.7061 CST .9965
 LSA 588.4 MSA 253.0 SSA 14.6
 EL1 506.6 EL2 218.1 ALF 125.30

LAUNCH DATE APR 21 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 6 1967

HELIOCENTRIC CONIC

DISTANCE 139.316

RL 150.32 LAL -.00 LOL 210.21 VL 16.374 GAL 30.10 AZL 89.30 MCA 38.73 SMA 88.62 ECC .78385 INC .7038 V1 29.641
 RP 108.55 LAP .44 LOP 248.94 VP 30.783 GAP -50.41 AZP 89.45 TAL 170.32 TAP 209.05 RCA 19.15 APO 158.08 V2 34.911
 RC 87.444 GL .58 GP 2.70 ZAL 63.43 ZAP 32.75 ETS 187.28 ZAE 133.63 ETE 176.80 ZAC 156.68 ETC 50.03 CLP 32.66

PLANETOCENTRIC CONIC

C3 299.281 VHL 17.300 DLA 13.13 RAL 149.21 RAD 6571.7 VEL 20.508 PTH 3.17 VHP 28.457 DPA 27.08 RAP 102.79 ECC 5.9254
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 41 55 3208.74 -25.97 111.36 58.86 78.30 6 35 24 2608.7 -27.32 102.95
 90.00 21 4 37 5012.14 22.97 220.40 46.74 72.98 22 28 9 4412.1 20.43 212.66
 100.00 7 10 5 2924.37 -27.71 90.84 59.26 78.31 7 58 50 2324.4 -29.04 82.29
 100.00 22 19 7 4771.73 24.67 202.15 46.17 72.56 23 38 39 4171.7 22.05 194.34
 110.00 8 33 42 2662.74 -32.33 72.08 60.37 78.25 9 18 5 2062.7 -33.61 63.08
 110.00 23 12 0 4606.13 29.16 187.95 44.53 71.31 24 28 46 4006.1 26.33 179.91

DIFFERENTIAL CORRECTIONS

TDE .8411 TRA-2.2600 TC3 -.1242 BAU .4971
 RDE-1.2996 RRA -.6349 RC3 .0043 FAU .01130
 FDE -.3403 FRA .8070 FC3 -.0327 BSP 2287
 BDE 1.5480 BRA 2.3475 BC3 .1243 FSP -58

MID-COURSE EXECUTION ACCURACY

SGT 923.5 SGR 481.8 SG3 27.4
 RRT .0891 RRF -.0813 RTF -.6608
 SGB 1041.7 R23 -.0008 R13 -.6611
 SG1 924.9 SG2 479.2 THA 3.64

ORBIT DETERMINATION ACCURACY

ST 361.8 SR 435.3 SS 343.3
 CRT -.6665 CRS -.7105 CST .9964
 LSA 609.1 MSA 258.9 SSA 14.8
 EL1 518.8 EL2 226.3 ALF 127.21

LAUNCH DATE APR 21 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 8 1967

HELIOCENTRIC CONIC

DISTANCE 144.838

RL 150.32 LAL -.00 LOL 210.21 VL 17.083 GAL 28.74 AZL 89.62 HCA 41.90 SMA 90.04 ECC .75877 INC .3788 VI 29.641
 RP 108.59 LAP .25 LOP 252.12 VP 31.153 GAP -48.27 AZP 89.72 TAL 169.42 TAP 211.32 RCA 21.72 APO 158.36 V2 34.899
 RC 85.078 GL .34 GP 2.77 ZAL 62.17 ZAP 31.31 ETS 187.60 ZAE 133.72 ETE 176.32 ZAC 155.42 ETC 47.24 CLP 31.20

PLANETOCENTRIC CONIC

C3 274.774 VML 16.576 DLA 12.48 RAL 150.34 RAD 6571.6 VEL 19.902 PTH 3.13 VHP 27.451 OPA 27.08 RAP 104.73 ECC 5.5221
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 52 3 3175.86 -26.41 109.05 58.95 79.38 6 44 59 2575.9 -27.60 100.58
 90.00 21 3 31 5023.94 23.21 221.19 47.31 73.30 22 27 15 4423.9 20.70 213.41
 100.00 7 19 49 2892.84 -28.12 88.59 59.31 79.42 8 8 1 2292.8 -29.29 79.98
 100.00 22 18 27 4782.19 24.88 202.86 46.75 72.87 23 38 9 4182.2 22.30 195.01
 110.00 8 42 31 2634.06 -32.71 69.93 60.30 79.47 9 26 25 2034.1 -33.82 60.87
 110.00 23 12 14 4613.74 29.32 188.48 45.15 71.59 24 29 8 4013.7 26.53 180.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8533 TRA-2.2809 TC3 -.1320 BAU .4852 SGT 964.6 SGR 486.8 SG3 29.5 ST 381.9 SR 437.7 SS 361.1
 RDE-1.2516 RRA -.6284 RC3 .0054 FAU .01135 RRT .0940 RRF -.0862 RTF -.6774 CRT -.6666 CRS -.7144 CST .9962
 FDE -.3580 FRA .8346 FC3 -.0358 BSP 2423 SGB 1080.5 R23 -.0012 R13 -.6778 LSA 630.7 MSA 264.4 SSA 15.0
 BDE 1.5149 BRA 2.3659 BC3 .1321 FSP -63 SGI 966.0 SG2 483.9 THA 3.63 ELI 531.5 EL2 234.4 ALF 129.20

LAUNCH DATE APR 21 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 10 1967

HELIOCENTRIC CONIC

DISTANCE 150.473

RL 150.32 LAL -.00 LOL 210.21 VL 17.791 GAL 27.47 AZL 89.91 HCA 45.08 SMA 91.49 ECC .73370 INC .0904 VI 29.641
 RP 108.62 LAP .06 LOP 255.29 VP 31.512 GAP -46.23 AZP 89.94 TAL 168.52 TAP 213.60 RCA 24.36 APO 158.61 V2 34.888
 RC 82.729 GL .09 GP 2.85 ZAL 60.95 ZAP 29.89 ETS 187.95 ZAE 133.89 ETE 175.81 ZAC 154.09 ETC 44.70 CLP 29.77

PLANETOCENTRIC CONIC

C3 252.343 VML 15.885 DLA 11.82 RAL 151.42 RAD 6571.5 VEL 19.330 PTH 3.10 VHP 26.476 OPA 27.06 RAP 106.70 ECC 5.1529
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 1 56 3142.48 -26.80 106.68 58.92 80.50 6 54 18 2542.5 -27.84 98.17
 90.00 21 2 15 5035.09 23.42 221.93 47.78 73.62 22 26 10 4435.1 20.95 214.13
 100.00 7 29 16 2860.78 -28.50 86.28 59.24 80.58 8 16 57 2260.8 -29.51 77.62
 100.00 22 17 35 4792.02 25.07 203.52 47.24 73.17 23 37 27 4192.0 22.53 195.65
 110.00 8 51 5 2604.78 -33.05 67.71 60.12 80.74 9 34 30 2004.8 -33.98 58.60
 110.00 23 12 16 4620.79 29.47 188.97 45.68 71.85 24 29 17 4020.8 26.71 180.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8654 TRA-2.3014 TC3 -.1399 BAU .4724 SGT 1007.0 SGR 491.2 SG3 31.7 ST 402.9 SR 439.6 SS 379.4
 RDE-1.2039 RRA -.6207 RC3 .0067 FAU .01142 RRT .0989 RRF -.0913 RTF -.6936 CRT -.6667 CRS -.7181 CST .9959
 FDE -.3761 FRA .8626 FC3 -.0392 BSP 2576 SGB 1120.4 R23 -.0017 R13 -.6940 LSA 653.2 MSA 269.4 SSA 15.2
 BDE 1.4826 BRA 2.3837 BC3 .1400 FSP -69 SGI 1008.5 SG2 488.1 THA 3.61 ELI 544.9 EL2 242.3 ALF 131.27

LAUNCH DATE APR 21 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 12 1967

HELIOCENTRIC CONIC

DISTANCE 156.214

RL 150.32 LAL -.00 LOL 210.21 VL 18.381 GAL 26.28 AZL 90.17 HCA 48.25 SMA 92.95 ECC .70878 INC .1642 VI 29.641
 RP 108.65 LAP -.12 LOP 258.47 VP 31.859 GAP -44.30 AZP 90.11 TAL 167.62 TAP 215.88 RCA 27.07 APO 158.82 V2 34.877
 RC 80.398 GL -.18 GP 2.93 ZAL 59.78 ZAP 28.50 ETS 188.35 ZAE 134.12 ETE 175.25 ZAC 152.69 ETC 42.39 CLP 28.36

PLANETOCENTRIC CONIC

C3 231.796 VML 15.225 DLA 11.15 RAL 152.44 RAD 6571.3 VEL 18.791 PTH 3.06 VHP 25.532 OPA 27.02 RAP 108.68 ECC 4.8148
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 11 32 3108.56 -27.16 104.26 58.77 81.66 7 3 21 2508.6 -28.03 95.71
 90.00 21 0 48 5045.58 23.62 222.64 48.17 73.92 22 24 54 4445.6 21.19 214.81
 100.00 7 38 29 2828.15 -28.84 83.92 59.05 81.78 8 25 37 2228.1 -29.68 75.21
 100.00 22 16 33 4801.23 25.25 204.15 47.64 73.45 23 36 34 4201.2 22.74 196.25
 110.00 8 59 26 2574.87 -33.36 65.43 59.80 82.06 9 42 20 1974.9 -34.10 56.27
 110.00 23 12 6 4627.27 29.61 189.43 46.12 72.08 24 29 13 4027.3 26.88 181.31

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8766 TRA-2.3220 TC3 -.1480 BAU .4592 SGT 1051.2 SGR 495.1 SG3 34.1 ST 424.7 SR 440.8 SS 398.2
 RDE-1.1563 RRA -.6120 RC3 .0082 FAU .01151 RRT .1041 RRF -.0967 RTF -.7892 CRT -.6663 CRS -.7213 CST .9957
 FDE -.3945 FRA .8911 FC3 -.0430 BSP 2727 SGB 1162.0 R23 -.0022 R13 -.7095 LSA 676.7 MSA 274.1 SSA 15.4
 BDE 1.4511 BRA 2.4013 BC3 .1482 FSP -76 SGI 1052.9 SG2 491.6 THA 3.59 ELI 558.9 EL2 249.8 ALF 133.40

LAUNCH DATE APR 21 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 14 1967

HELIOCENTRIC CONIC

DISTANCE 162.054

RL 150.32 LAL -.00 LOL 210.21 VL 18.975 GAL 25.16 AZL 90.40 HCA 51.42 SMA 94.41 ECC .68411 INC .3974 VI 29.641
 RP 108.69 LAP -.31 LOP 261.64 VP 32.195 GAP -42.45 AZP 90.25 TAL 166.74 TAP 218.16 RCA 29.82 APO 159.00 V2 34.867
 RC 78.089 GL -.47 GP 3.02 ZAL 58.65 ZAP 27.12 ETS 188.80 ZAE 134.42 ETE 174.64 ZAC 151.24 ETC 40.30 CLP 26.97

PLANETOCENTRIC CONIC

C3 212.960 VML 14.593 DLA 10.48 RAL 153.41 RAD 6571.2 VEL 18.283 PTH 3.03 VHP 24.617 OPA 26.96 RAP 110.68 ECC 4.5048
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 20 54 3074.06 -27.48 101.79 58.50 82.87 7 12 8 2474.1 -28.18 93.19
 90.00 20 59 10 5055.45 23.81 223.30 48.46 74.20 22 23 26 4455.5 21.41 215.45
 100.00 7 47 28 2794.90 -29.14 81.49 58.74 83.03 8 34 2 2194.9 -29.80 72.75
 100.00 22 15 18 4809.85 25.42 204.74 47.95 73.72 23 35 28 4209.9 22.94 196.81
 110.00 9 7 32 2544.30 -33.62 63.09 59.36 83.43 9 49 57 1944.3 -34.16 53.88
 110.00 23 11 42 4633.21 29.73 189.85 46.47 72.30 24 28 56 4033.2 27.03 181.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8879 TRA-2.3416 TC3 -.1561 BAU .4453 SGT 1096.9 SGR 498.3 SG3 36.7 ST 447.6 SR 441.4 SS 417.5
 RDE-1.1091 RRA -.6022 RC3 .0100 FAU .01161 RRT .1094 RRF -.1023 RTF -.7242 CRT -.6659 CRS -.7243 CST .9954
 FDE -.4136 FRA .9202 FC3 -.0472 BSP 2899 SGB 1204.8 R23 -.0029 R13 -.7246 LSA 701.4 MSA 278.1 SSA 15.6
 BDE 1.4207 BRA 2.4178 BC3 .1564 FSP -83 SGI 1098.6 SG2 494.5 THA 3.57 ELI 573.8 EL2 256.9 ALF 135.61

LAUNCH DATE APR 21 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 16 1967

HELIOCENTRIC CONIC

DISTANCE 167.988

RL 150.32 LAL -.00 LOL 210.21 VL 19.534 GAL 24.10 AZL 90.61 MCA 54.60 SMA 95.88 ECC .65979 INC .6102 V1 29.641
 RP 108.72 LAP -.50 LOP 264.81 VP 32.517 GAP -40.69 AZP 90.35 TAL 165.87 TAP 220.46 RCA 32.62 APO 159.15 V2 34.857
 RC 75.805 GL -.78 GP 3.12 ZAL 57.57 ZAP 25.77 ETS 189.31 ZAE 134.79 ETE 173.99 ZAC 149.74 ETC 38.40 CLP 25.59

PLANETOCENTRIC CONIC

C3 195.685 VML 13.989 CLA 9.81 RAL 154.33 RAD 6571.1 VEL 17.805 PTH 2.99 VHP 23.730 DPA 26.88 RAP 112.70 ECC 4.2205
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 30 2 3038.93 -27.75 99.25 58.11 84.11 7 20 41 2438.9 -28.27 90.63
 90.00 20 57 21 5064.73 23.98 223.93 48.67 74.47 22 21 45 4464.7 21.62 216.05
 100.00 7 56 12 2760.99 -29.40 79.00 58.30 84.31 8 42 13 2161.0 -29.87 70.23
 100.00 22 13 51 4817.90 25.57 205.28 48.17 73.97 23 34 9 4217.9 23.13 197.34
 110.00 9 15 26 2513.04 -33.84 60.67 58.79 84.84 9 57 19 1913.0 -34.18 51.44
 110.00 23 11 6 4638.61 29.85 190.23 46.72 72.50 24 28 25 4038.6 27.16 182.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8958 TRA-2.3633 TC3 -.1648 BAU .4323 SGT 1145.5 SGR 500.9 SG3 39.4 ST 470.8 SR 441.3 SS 437.2
 RDE -1.0622 RRA -.5917 RC3 .0119 FAU .01172 RRT .1160 RRF -.1087 RTF -.7383 CRT -.6638 CRS -.7265 CST .9949
 FDE -.4327 FRA .9502 FC3 -.0518 BSP 3013 SGB 1250.3 R23 -.0032 R13 -.7387 LSA 726.4 MSA 282.1 SSA 15.8
 BDE 1.3895 BRA 2.4363 BC3 .1653 FSP -.89 SGI 1147.4 SG2 496.7 THA 3.58 EL1 588.9 EL2 263.9 ALF 137.79

LAUNCH DATE APR 21 1967

FLIGHT TIME 88.00

ARRIVAL DATE JUL 18 1967

HELIOCENTRIC CONIC

DISTANCE 174.010

RL 150.32 LAL -.00 LOL 210.21 VL 20.062 GAL 23.09 AZL 90.81 MCA 57.76 SMA 97.35 ECC .63589 INC .8068 V1 29.641
 RP 108.75 LAP -.68 LOP 267.98 VP 32.827 GAP -39.00 AZP 90.43 TAL 165.01 TAP 222.77 RCA 35.45 APO 159.26 V2 34.848
 RC 73.549 GL -1.11 GP 3.23 ZAL 56.54 ZAP 24.43 ETS 189.90 ZAE 135.25 ETE 173.27 ZAC 148.19 ETC 36.67 CLP 24.23

PLANETOCENTRIC CONIC

C3 179.839 VML 13.410 CLA 9.12 RAL 155.19 RAD 6570.9 VEL 17.354 PTH 2.95 VHP 22.869 DPA 26.79 RAP 114.73 ECC 3.9597
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 38 56 3003.12 -27.97 96.66 57.59 85.39 7 28 59 2403.1 -28.32 88.01
 90.00 20 55 18 5073.45 24.14 224.52 48.79 74.72 22 19 52 4473.4 21.81 216.62
 100.00 8 4 44 2726.39 -29.60 76.45 57.74 85.64 8 50 10 2126.4 -29.89 67.66
 100.00 22 12 11 4825.41 25.71 205.80 48.30 74.20 23 32 37 4225.4 23.30 197.83
 110.00 9 23 8 2481.06 -34.01 58.19 58.10 86.30 10 4 29 1881.1 -34.15 48.95
 110.00 23 10 17 4643.50 29.94 190.57 46.88 72.69 24 27 40 4043.5 27.29 182.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8941 TRA-2.3934 TC3 -.1757 BAU .4238 SGT 1200.3 SGR 502.9 SG3 42.4 ST 492.6 SR 440.6 SS 456.8
 RDE -1.0159 RRA -.5805 RC3 .0141 FAU .01178 RRT .1268 RRF -.1168 RTF -.7504 CRT -.6562 CRS -.7273 CST .9940
 FDE -.4513 FRA .9821 FC3 -.0567 BSP 2916 SGB 1301.4 R23 -.0019 R13 -.7507 LSA 750.2 MSA 286.9 SSA 16.0
 BDE 1.3534 BRA 2.4628 BC3 .1763 FSP -.94 SGI 1202.3 SG2 498.0 THA 3.67 EL1 602.4 EL2 271.9 ALF 139.84

LAUNCH DATE APR 21 1967

FLIGHT TIME 90.00

ARRIVAL DATE JUL 20 1967

HELIOCENTRIC CONIC

DISTANCE 180.085

RL 150.32 LAL -.00 LOL 210.21 VL 20.559 GAL 22.12 AZL 90.99 MCA 60.93 SMA 98.81 ECC .61235 INC .9900 V1 29.641
 RP 108.77 LAP -.87 LOP 271.14 VP 33.124 GAP -37.38 AZP 90.48 TAL 164.17 TAP 225.11 RCA 38.31 APO 159.32 V2 34.839
 RC 71.325 GL -1.47 GP 3.35 ZAL 55.57 ZAP 23.11 ETS 190.58 ZAE 135.78 ETE 172.49 ZAC 146.60 ETC 35.10 CLP 22.88

PLANETOCENTRIC CONIC

C3 165.161 VML 12.851 CLA 8.44 RAL 155.98 RAD 6570.8 VEL 16.926 PTH 2.92 VHP 22.029 DPA 26.67 RAP 116.76 ECC 3.7181
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 47 32 2966.60 -28.14 94.00 56.94 86.72 7 36 58 2366.6 -28.30 85.34
 90.00 20 53 2 5081.35 24.28 225.06 48.78 74.96 22 17 43 4481.4 21.98 217.14
 100.00 8 12 58 2691.06 -29.76 73.84 57.04 87.01 8 57 49 2091.1 -29.85 65.03
 100.00 22 10 17 4832.13 25.84 206.26 48.31 74.42 23 30 49 4232.1 23.45 198.28
 110.00 9 30 32 2448.31 -34.12 55.64 57.27 87.81 10 11 20 1848.3 -34.05 46.39
 110.00 23 9 12 4647.65 30.03 190.87 46.92 72.84 24 26 39 4047.6 27.39 182.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2090 TRA-2.1025 TC3 -.1099 BAU .2461 SGT 1126.2 SGR 500.3 SG3 45.7 ST 609.4 SR 435.7 SS 503.0
 RDE -.9624 RRA -.5614 RC3 .0183 FAU .01388 RRT -.0085 RRF -.0804 RTF -.8161 CRT -.7897 CRS -.7674 CST .9988
 FDE -.5141 FRA .9716 FC3 -.0727 BSP 10456 SGB 1232.4 R23 .0890 R13 .8159 LSA 867.4 MSA 248.2 SSA 13.5
 BDE 1.5453 BRA 2.1762 BC3 .1115 FSP -190 SGI 1126.2 SG2 500.3 THA 179.73 EL1 713.5 EL2 228.3 ALF 146.70

LAUNCH DATE APR 21 1967

FLIGHT TIME 92.00

ARRIVAL DATE JUL 22 1967

HELIOCENTRIC CONIC

DISTANCE 186.287

RL 150.32 LAL -.00 LOL 210.21 VL 21.027 GAL 21.22 AZL 91.16 MCA 64.10 SMA 100.27 ECC .58958 INC 1.1622 V1 29.641
 RP 108.80 LAP -1.05 LOP 274.31 VP 33.408 GAP -35.84 AZP 90.51 TAL 163.34 TAP 227.44 RCA 41.15 APO 159.38 V2 34.831
 RC 69.138 GL -1.85 GP 3.47 ZAL 54.61 ZAP 21.81 ETS 191.36 ZAE 136.39 ETE 171.64 ZAC 144.97 ETC 33.67 CLP 21.55

PLANETOCENTRIC CONIC

C3 151.923 VML 12.326 CLA 7.73 RAL 156.74 RAD 6570.7 VEL 16.530 PTH 2.88 VHP 21.223 DPA 26.54 RAP 118.81 ECC 3.5003
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 56 6 2929.29 -28.26 91.28 56.21 88.08 7 44 55 2329.3 -28.22 82.61
 90.00 20 50 33 5089.33 24.42 225.60 48.74 75.20 22 15 22 4489.3 22.15 217.66
 100.00 8 21 10 2654.94 -29.85 71.15 56.26 88.42 9 5 25 2054.9 -29.75 62.35
 100.00 22 8 10 4838.92 25.96 206.73 48.28 74.63 23 28 49 4238.9 23.60 198.72
 110.00 9 37 54 2414.78 -34.18 53.02 56.36 89.35 10 18 9 1814.8 -33.89 43.79
 110.00 23 7 55 4651.84 30.11 191.17 46.91 73.00 24 25 27 4051.8 27.49 182.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .9455 TRA-2.3932 TC3 -.1838 BAU .3754 SGT 1287.9 SGR 504.4 SG3 49.0 ST 553.9 SR 436.3 SS 502.5
 RDE -.9234 RRA -.5550 RC3 .0197 FAU .01234 RRT .1257 RRF -.1261 RTF -.7818 CRT -.6719 CRS -.7357 CST .9950
 FDE -.4982 FRA 1.0406 FC3 -.0703 BSP 4102 SGB 1383.2 R23 -.0106 R13 -.7822 LSA 817.0 MSA 286.2 SSA 16.1
 BDE 1.3216 BRA 2.4567 BC3 .1848 FSP -122 SGI 1289.8 SG2 499.6 THA 3.32 EL1 648.9 EL2 275.8 ALF 144.86

LAUNCH DATE APR 21 1967

FLIGHT TIME 94.00

ARRIVAL DATE JUL 24 1967

HELIOCENTRIC CONIC

DISTANCE 192.535

RL 150.32 LAL -1.00 LOL 210.21 VL 21.468 GAL 20.36 AZL 91.33 MCA 67.26 SMA 101.71 ECC .56730 INC 1.3253 V1 29.641
 RP 108.82 LAP -1.22 LOP 277.47 VP 33.679 GAP -34.36 AZP 90.51 TAL 162.54 TAP 229.80 RCA 44.01 APO 159.41 V2 34.824
 RC 66.992 GL -2.26 GP 3.61 ZAL 53.72 ZAP 20.53 ETS 192.27 ZAE 137.09 ETE 170.71 ZAC 143.31 ETC 32.36 CLP 20.22

PLANETOCENTRIC CONIC

C3 139.670 VHL 11.818 DLA 7.02 RAL 157.44 RAD 6570.5 VEL 16.156 PTH 2.84 VMP 20.436 OPA 26.39 RAP 120.87 ECC 3.2986
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 4 24 2891.19 -28.31 88.49 55.34 89.47 7 52 35 2291.2 -28.09 79.83
 90.00 20 47 49 5096.67 24.54 226.10 48.58 75.42 22 12 45 4496.7 22.30 218.15
 100.00 8 29 6 2618.01 -29.89 68.41 55.35 89.86 9 12 44 2018.0 -29.59 59.62
 100.00 22 5 48 4845.09 26.07 207.15 48.13 74.83 23 26 33 4245.1 23.73 199.13
 110.00 9 45 1 2380.43 -34.17 50.34 55.32 90.94 10 24 41 1780.4 -33.66 41.13
 110.00 23 6 22 4655.43 30.18 191.42 46.80 73.14 24 23 58 4055.4 27.58 183.20

DIFFERENTIAL CORRECTIONS

TOE .9458 TRA-2.4160 TC3 -.1935 BAU .3639
 RDE -.8784 RRA -.5420 RC3 .0229 FAU .01249
 FDE -.5195 FRA 1.0746 FC3 -.0774 BSP 4114
 BDE 1.2908 BRA 2.4761 BC3 .1949 FSP -130

MID-COURSE EXECUTION ACCURACY

SGT 1346.2 SGR 504.4 SG3 52.7
 RRT .1361 RRF -.1352 RTF -.7927
 SGB 1437.6 R23 -.0102 R13 -.7931
 SGI 1348.2 SG2 498.9 TMA 3.38

ORBIT DETERMINATION ACCURACY

ST 579.5 SR 433.2 SS 524.6
 CRT -.6659 CRS -.7361 CST .9942
 LSA 845.6 MSA 288.7 SSA 16.3
 EL1 666.8 EL2 280.9 ALF 146.95

LAUNCH DATE APR 21 1967

FLIGHT TIME 96.00

ARRIVAL DATE JUL 26 1967

HELIOCENTRIC CONIC

DISTANCE 198.847

RL 150.32 LAL -1.00 LOL 210.21 VL 21.883 GAL 19.53 AZL 91.48 MCA 70.43 SMA 103.13 ECC .54563 INC 1.4809 V1 29.641
 RP 108.84 LAP -1.40 LOP 280.64 VP 33.938 GAP -32.93 AZP 90.50 TAL 161.75 TAP 232.18 RCA 46.86 APO 159.40 V2 34.817
 RC 64.892 GL -2.70 GP 3.76 ZAL 52.87 ZAP 19.27 ETS 193.34 ZAE 137.88 ETE 169.68 ZAC 141.63 ETC 31.16 CLP 18.91

PLANETOCENTRIC CONIC

C3 128.422 VHL 11.332 DLA 6.29 RAL 158.08 RAD 6570.4 VEL 15.804 PTH 2.80 VMP 19.672 OPA 26.23 RAP 122.93 ECC 3.1135
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 12 32 2852.24 -28.30 85.64 54.37 90.90 8 0 4 2252.2 -27.88 77.00
 90.00 20 44 48 5103.68 24.66 226.58 48.34 75.63 22 9 52 4503.7 22.45 218.61
 100.00 8 36 52 2580.24 -29.87 65.60 54.34 91.34 9 19 52 1980.2 -29.36 56.83
 100.00 22 3 9 4850.93 26.17 207.55 47.90 75.02 23 24 0 4250.9 23.86 199.52
 110.00 9 51 57 2345.24 -34.10 47.59 54.17 92.57 10 31 2 1745.2 -33.37 38.43
 110.00 23 4 33 4658.69 30.25 191.65 46.59 73.26 24 22 12 4058.7 27.66 183.42

DIFFERENTIAL CORRECTIONS

TOE .9513 TRA-2.4317 TC3 -.2015 BAU .3490
 RDE -.8339 RRA -.5285 RC3 .0265 FAU .01271
 FDE -.5426 FRA 1.1088 FC3 -.0857 BSP 4270
 BDE 1.2650 BRA 2.4884 BC3 .2033 FSP -141

MID-COURSE EXECUTION ACCURACY

SGT 1403.5 SGR 503.6 SG3 56.7
 RRT .1447 RRF -.1441 RTF -.8040
 SGB 1491.1 R23 -.0111 R13 -.8044
 SGI 1405.7 SG2 497.5 TMA 3.40

ORBIT DETERMINATION ACCURACY

ST 607.6 SR 429.2 SS 547.9
 CRT -.6628 CRS -.7371 CST .9937
 LSA 877.2 MSA 289.6 SSA 16.4
 EL1 687.6 EL2 284.0 ALF 149.07

LAUNCH DATE APR 21 1967

FLIGHT TIME 98.00

ARRIVAL DATE JUL 28 1967

HELIOCENTRIC CONIC

DISTANCE 205.218

RL 150.32 LAL -1.00 LOL 210.21 VL 22.274 GAL 18.73 AZL 91.63 MCA 73.59 SMA 104.53 ECC .52462 INC 1.6305 V1 29.641
 RP 108.86 LAP -1.56 LOP 283.80 VP 34.185 GAP -31.56 AZP 90.46 TAL 160.99 TAP 234.58 RCA 49.69 APO 159.37 V2 34.810
 RC 62.843 GL -3.17 GP 3.93 ZAL 52.08 ZAP 18.02 ETS 194.60 ZAE 138.76 ETE 168.54 ZAC 139.91 ETC 30.06 CLP 17.60

PLANETOCENTRIC CONIC

C3 118.102 VHL 10.867 DLA 5.56 RAL 158.67 RAD 6570.2 VEL 15.474 PTH 2.76 VMP 18.931 OPA 26.06 RAP 125.00 ECC 2.9437
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 20 30 2812.42 -28.23 82.73 53.29 92.36 8 7 22 2212.4 -27.60 74.12
 90.00 20 41 30 5110.47 24.78 227.04 48.00 75.83 22 6 41 4510.5 22.59 219.06
 100.00 8 44 28 2541.58 -29.77 62.73 53.21 92.84 9 26 50 1941.6 -29.06 54.00
 100.00 22 0 13 4856.53 26.27 207.94 47.58 75.20 23 21 10 4256.5 23.98 199.89
 110.00 9 58 44 2309.18 -33.95 44.78 52.91 94.22 10 37 13 1709.2 -33.00 35.68
 110.00 23 2 27 4661.70 30.31 191.87 46.29 73.37 24 20 9 4061.7 27.73 183.62

DIFFERENTIAL CORRECTIONS

TOE .9558 TRA-2.4461 TC3 -.2094 BAU .3342
 RDE -.7899 RRA -.5147 RC3 .0306 FAU .01294
 FDE -.5666 FRA 1.1441 FC3 -.0949 BSP 4422
 BDE 1.2399 BRA 2.4997 BC3 .2117 FSP -153

MID-COURSE EXECUTION ACCURACY

SGT 1462.9 SGR 502.2 SG3 61.0
 RRT .1540 RRF -.1538 RTF -.8147
 SGB 1546.7 R23 -.0122 R13 -.8151
 SGI 1465.2 SG2 495.4 TMA 3.42

ORBIT DETERMINATION ACCURACY

ST 636.6 SR 424.4 SS 572.1
 CRT -.6592 CRS -.7378 CST .9932
 LSA 910.1 MSA 290.1 SSA 16.6
 EL1 709.5 EL2 286.4 ALF 151.15

LAUNCH DATE APR 21 1967

FLIGHT TIME 100.00

ARRIVAL DATE JUL 30 1967

HELIOCENTRIC CONIC

DISTANCE 211.644

RL 150.32 LAL -1.00 LOL 210.21 VL 22.642 GAL 17.97 AZL 91.78 MCA 76.75 SMA 105.91 ECC .50429 INC 1.7752 V1 29.641
 RP 108.88 LAP -1.73 LOP 286.96 VP 34.420 GAP -30.25 AZP 90.41 TAL 160.25 TAP 237.00 RCA 52.50 APO 159.32 V2 34.805
 RC 60.850 GL -3.67 GP 4.11 ZAL 51.33 ZAP 16.80 ETS 196.10 ZAE 139.73 ETE 167.28 ZAC 138.18 ETC 29.06 CLP 16.30

PLANETOCENTRIC CONIC

C3 108.637 VHL 10.423 DLA 4.80 RAL 159.20 RAD 6570.1 VEL 15.165 PTH 2.72 VMP 18.212 OPA 25.87 RAP 127.07 ECC 2.7879
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 28 19 2771.67 -28.08 79.76 52.11 93.84 8 14 31 2171.7 -27.25 71.19
 90.00 20 37 54 5117.12 24.89 227.50 47.59 76.04 22 3 12 4517.1 22.72 219.50
 100.00 8 51 56 2502.02 -29.60 59.80 51.99 94.38 9 33 38 1902.0 -28.68 51.12
 100.00 21 56 59 4862.00 26.37 208.32 47.17 75.38 23 18 1 4262.0 24.10 200.26
 110.00 10 5 21 2272.23 -33.73 41.92 51.55 95.90 10 43 13 1672.2 -32.55 32.89
 110.00 23 0 4 4664.55 30.36 192.07 45.90 73.48 24 17 48 4064.6 27.80 183.81

DIFFERENTIAL CORRECTIONS

TOE .9607 TRA-2.4579 TC3 -.2166 BAU .3187
 RDE -.7465 RRA -.5008 RC3 .0352 FAU .01322
 FDE -.5921 FRA 1.1806 FC3 -.1053 BSP 4602
 BDE 1.2166 BRA 2.5085 BC3 .2194 FSP -165

MID-COURSE EXECUTION ACCURACY

SGT 1523.6 SGR 500.1 SG3 65.7
 RRT .1638 RRF -.1642 RTF -.8250
 SGB 1603.6 R23 -.0135 R13 -.8254
 SGI 1526.0 SG2 492.5 TMA 3.44

ORBIT DETERMINATION ACCURACY

ST 666.7 SR 418.6 SS 597.4
 CRT -.6557 CRS -.7383 CST .9926
 LSA 944.7 MSA 289.8 SSA 16.7
 EL1 732.9 EL2 287.6 ALF 153.17

LAUNCH DATE APR 21 1967

FLIGHT TIME 192.00

ARRIVAL DATE AUG 1 1967

HELIOCENTRIC CONIC

DISTANCE 218.119

RL 150.32 LAL -.00 LOL 210.21 VL 22.988 GAL 17.25 AZL 91.92 MCA 79.92 SMA 107.26 ECC .48465 INC 1.9162 VI 29.641
 RP 108.90 LAP -1.89 LOP 290.13 VP 34.644 GAP -28.98 AZP 90.34 TAL 159.53 TAP 239.45 RCA 55.28 APO 159.25 V2 34.800
 RC 58.919 GL -4.21 GP 4.31 ZAL 50.64 ZAP 15.60 ETS 197.90 ZAE 140.79 ETE 165.86 ZAC 136.42 ETC 28.14 CLP 15.00

PLANETOCENTRIC CONIC

C3 39.960 VML 9.998 DLA 4.03 RAL 159.67 RAD 6569.9 VEL 14.876 PTH 2.69 VMP 17.513 DPA 25.67 RAP 129.14 ECC 2.6451
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 36 1 2729.97 -27.85 76.73 50.84 95.34 8 21 31 2130.0 -26.82 68.22
 90.00 20 33 59 5123.75 24.99 227.95 47.08 76.24 21 59 23 4523.8 22.86 219.94
 100.00 8 59 15 2461.51 -29.35 56.82 50.67 95.93 9 40 17 1861.5 -28.22 48.20
 100.00 21 53 26 4867.44 26.46 208.70 46.68 75.56 23 14 34 4267.4 24.21 200.62
 110.00 10 11 50 2234.37 -33.43 39.01 50.10 97.60 10 49 4 1634.4 -32.02 30.06
 110.00 22 57 21 4667.35 30.42 192.27 45.43 73.59 24 15 8 4067.3 27.87 184.00

DIFFERENTIAL CORRECTIONS

TOE .9672 TRA-2.4661 TC3 -.2224 BAU .3021
 RDE -.7037 RRA -.4868 RC3 .0403 FAU .01353
 FDE -.6193 FRA 1.2182 FC3 -.1172 BSP .4831
 BOE 1.1961 BRA 2.5137 BC3 .2261 FSP -180

MID-COURSE EXECUTION ACCURACY

SGT 1585.0 SGR 497.3 SG3 70.8
 RRT .1737 RRF -.1756 RTF -.8351
 SGB 1661.2 R23 -.0155 R13 -.8355
 SG1 1587.6 SG2 489.0 TMA 3.45

ORBIT DETERMINATION ACCURACY

ST 698.6 SR 411.9 SS 624.0
 CRT -.6529 CRS -.7387 CST .9922
 LSA 981.6 MSA 288.5 SSA 16.8
 EL1 758.4 EL2 287.4 ALF 155.14

LAUNCH DATE APR 21 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 3 1967

HELIOCENTRIC CONIC

DISTANCE 224.638

RL 150.32 LAL -.00 LOL 210.21 VL 23.313 GAL 16.55 AZL 92.05 MCA 83.08 SMA 108.59 ECC .46571 INC 2.0544 VI 29.641
 RP 108.91 LAP -2.04 LOP 293.29 VP 34.856 GAP -27.76 AZP 90.25 TAL 158.84 TAP 241.92 RCA 58.02 APO 159.15 V2 34.795
 RC 57.057 GL -4.79 GP 4.52 ZAL 50.00 ZAP 14.42 ETS 200.08 ZAE 141.94 ETE 164.27 ZAC 134.64 ETC 27.29 CLP 13.71

PLANETOCENTRIC CONIC

C3 92.009 VML 9.592 DLA 3.24 RAL 160.08 RAD 6569.8 VEL 14.607 PTH 2.65 VMP 16.836 DPA 25.47 RAP 131.21 ECC 2.5142
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 43 37 2687.28 -27.54 73.64 49.47 96.86 8 28 24 2087.3 -26.30 65.20
 90.00 20 29 42 5130.51 25.10 228.42 46.50 76.45 21 55 12 4530.5 22.99 220.39
 100.00 9 6 28 2420.03 -29.02 53.78 49.26 97.50 9 46 48 1820.0 -27.68 45.23
 100.00 21 49 32 4872.99 26.55 209.08 46.11 75.74 23 10 45 4273.0 24.33 200.99
 110.00 10 18 10 2195.59 -33.04 36.05 48.57 99.31 10 54 46 1595.6 -31.40 27.21
 110.00 22 54 18 4670.20 30.47 192.47 44.89 73.70 24 12 9 4070.2 27.94 184.20

DIFFERENTIAL CORRECTIONS

TOE .9737 TRA-2.4717 TC3 -.2272 BAU .2852
 RDE -.6614 RRA -.4730 RC3 .0460 FAU .01388
 FDE -.6481 FRA 1.2571 FC3 -.1306 BSP .5081
 BOE 1.1771 BRA 2.5166 BC3 .2318 FSP -196

MID-COURSE EXECUTION ACCURACY

SGT 1647.7 SGR 493.9 SG3 76.2
 RRT .1845 RRF -.1881 RTF -.8448
 SGB 1720.2 R23 -.0178 R13 -.8452
 SG1 1650.5 SG2 484.6 TMA 3.47

ORBIT DETERMINATION ACCURACY

ST 731.6 SR 404.1 SS 651.9
 CRT -.6500 CRS -.7387 CST .9917
 LSA 1020.4 MSA 286.5 SSA 16.9
 EL1 785.3 EL2 286.1 ALF 157.03

LAUNCH DATE APR 21 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 5 1967

HELIOCENTRIC CONIC

DISTANCE 231.198

RL 150.32 LAL -.00 LOL 210.21 VL 23.619 GAL 15.88 AZL 92.19 MCA 86.24 SMA 109.88 ECC .44748 INC 2.1907 VI 29.641
 RP 108.92 LAP -2.19 LOP 296.45 VP 35.058 GAP -26.58 AZP 90.14 TAL 158.18 TAP 244.42 RCA 60.71 APO 159.04 V2 34.792
 RC 55.270 GL -5.41 GP 4.76 ZAL 49.41 ZAP 13.29 ETS 202.73 ZAE 143.18 ETE 162.47 ZAC 132.85 ETC 26.51 CLP 12.42

PLANETOCENTRIC CONIC

C3 84.731 VML 9.205 DLA 2.42 RAL 160.44 RAD 6569.7 VEL 14.355 PTH 2.61 VMP 16.178 DPA 25.27 RAP 133.27 ECC 2.3945
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 51 6 2643.57 -27.15 70.51 48.03 98.39 8 35 10 2043.6 -25.71 62.13
 90.00 20 25 2 5137.54 25.21 228.90 45.85 76.67 21 50 40 4537.5 23.13 220.85
 100.00 9 13 34 2377.56 -28.60 50.69 47.78 99.07 9 53 12 1777.6 -27.06 42.23
 100.00 21 45 15 4878.78 26.65 209.49 45.46 75.93 23 6 34 4278.8 24.45 201.38
 110.00 10 24 24 2155.86 -32.56 33.05 46.97 101.03 11 0 20 1555.9 -30.70 24.32
 110.00 22 50 54 4673.24 30.53 192.69 44.27 73.82 24 8 48 4073.2 28.01 184.40

DIFFERENTIAL CORRECTIONS

TOE .9797 TRA-2.4759 TC3 -.2312 BAU .2686
 RDE -.6198 RRA -.4593 RC3 .0523 FAU .01427
 FDE -.6787 FRA 1.2979 FC3 -.1458 BSP .5322
 BOE 1.1593 BRA 2.5182 BC3 .2371 FSP -213

MID-COURSE EXECUTION ACCURACY

SGT 1712.4 SGR 489.9 SG3 82.2
 RRT .1969 RRF -.2022 RTF -.8540
 SGB 1781.1 R23 -.0202 R13 -.8544
 SG1 1715.4 SG2 479.5 TMA 3.50

ORBIT DETERMINATION ACCURACY

ST 765.6 SR 395.3 SS 681.0
 CRT -.6463 CRS -.7381 CST .9913
 LSA 1060.8 MSA 283.9 SSA 17.0
 EL1 813.5 EL2 283.9 ALF 158.85

LAUNCH DATE APR 21 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 7 1967

HELIOCENTRIC CONIC

DISTANCE 237.793

RL 150.32 LAL -.00 LOL 210.21 VL 23.907 GAL 15.24 AZL 92.33 MCA 89.40 SMA 111.13 ECC .42996 INC 2.3260 VI 29.641
 RP 108.93 LAP -2.33 LOP 299.61 VP 35.249 GAP -25.44 AZP 90.02 TAL 157.55 TAP 246.95 RCA 63.35 APO 158.92 V2 34.789
 RC 53.566 GL -6.08 GP 5.02 ZAL 48.88 ZAP 12.19 ETS 205.99 ZAE 144.51 ETE 160.43 ZAC 131.05 ETC 25.80 CLP 11.12

PLANETOCENTRIC CONIC

C3 78.073 VML 8.836 DLA 1.58 RAL 160.73 RAD 6569.5 VEL 14.122 PTH 2.57 VMP 15.540 DPA 25.06 RAP 135.34 ECC 2.2849
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 58 32 2598.81 -26.66 67.32 46.52 99.91 8 41 51 1998.8 -25.02 59.04
 90.00 20 19 57 5145.00 25.33 229.42 45.12 76.90 21 45 42 4545.0 23.28 221.35
 100.00 9 20 36 2334.07 -28.10 47.56 46.23 100.65 9 59 30 1734.1 -26.34 39.20
 100.00 21 40 34 4884.98 26.75 209.92 44.75 76.14 23 1 59 4285.0 24.58 201.79
 110.00 10 30 32 2115.19 -31.99 30.01 45.30 102.74 11 5 47 1515.2 -29.91 21.42
 110.00 22 47 8 4676.62 30.59 192.94 43.58 73.95 24 5 4 4076.6 28.09 184.63

DIFFERENTIAL CORRECTIONS

TOE .9857 TRA-2.4777 TC3 -.2338 BAU .2518
 RDE -.5788 RRA -.4460 RC3 .0593 FAU .01469
 FDE -.7116 FRA 1.3403 FC3 -.1629 BSP .5576
 BOE 1.1431 BRA 2.5175 BC3 .2412 FSP -233

MID-COURSE EXECUTION ACCURACY

SGT 1778.3 SGR 485.4 SG3 88.6
 RRT .2107 RRF -.2181 RTF -.8627
 SGB 1843.4 R23 -.0230 R13 -.8632
 SG1 1781.5 SG2 473.6 TMA 3.54

ORBIT DETERMINATION ACCURACY

ST 800.7 SR 385.3 SS 711.8
 CRT -.6421 CRS -.7370 CST .9908
 LSA 1103.3 MSA 280.6 SSA 17.0
 EL1 843.2 EL2 280.5 ALF 160.60

LAUNCH DATE APR 21 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC

DISTANCE 244.421

RL 150.32 LAL -.00 LOL 210.21 VL 24.177 GAL 14.63 AZL 92.46 HCA 92.55 SMA 112.35 ECC .41316 INC 2.4612 V1 29.641
 RP 108.94 LAP -2.46 LOP 302.77 VP 35.431 GAP -24.35 AZP 89.89 TAL 156.95 TAP 249.50 RCA 65.93 APO 158.78 V2 34.786
 RC 51.953 GL -6.80 GP 5.31 ZAL 48.41 ZAP 11.16 ETS 210.01 ZAE 145.91 ETE 158.09 ZAC 129.23 ETC 25.14 CLP 9.83

PLANETOCENTRIC CONIC

C3 71.990 VML 8.485 DLA .71 RAL 160.96 RAD 6569.4 VEL 13.905 PTH 2.54 VMP 14.922 DPA 24.86 RAP 137.40 ECC 2.1848
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 5 54 2552.97 -26.08 64.09 44.95 101.43 8 48 27 1953.0 -24.24 55.90
 90.00 20 14 26 5153.09 25.45 229.98 44.33 77.16 21 40 19 4553.1 23.43 221.89
 100.00 9 27 35 2289.53 -27.50 44.38 44.62 102.21 10 5 44 1689.5 -25.54 36.13
 100.00 21 35 27 4891.77 26.86 210.39 43.96 76.36 22 56 59 4291.8 24.72 202.25
 110.00 10 36 35 2073.55 -31.33 26.95 43.57 104.44 11 11 8 1473.5 -29.03 18.50
 110.00 22 42 56 4680.51 30.67 193.21 42.82 74.10 24 0 57 4080.5 28.18 184.90

DIFFERENTIAL CORRECTIONS

TOE .9911 TRA-2.4779 TC3 -.2353 BAU .2355
 ROE -.5384 RRA -.4333 RC3 .0671 FAU .01515
 FDE -.7467 FRA 1.3848 FC3 -.1822 BSP 5819
 BDE 1.1279 BRA 2.5154 BC3 .2447 FSP -253

MID-COURSE EXECUTION ACCURACY

SGT 1846.0 SGR 480.4 SG3 95.6
 RRT .2266 RRF -.2361 RTF -.8709
 SGB 1907.4 R23 -.0260 R13 -.8714
 SGI 1849.4 SG2 467.0 TMA 3.60

ORBIT DETERMINATION ACCURACY

ST 836.7 SR 374.0 SS 744.1
 CRT -.6368 CRS -.7350 CST .9903
 LSA 1147.5 MSA 276.8 SSA 17.1
 EL1 873.9 EL2 276.1 ALF 162.28

LAUNCH DATE APR 21 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 251.076

RL 150.32 LAL -.00 LOL 210.21 VL 24.430 GAL 14.04 AZL 92.60 HCA 95.71 SMA 113.54 ECC .39707 INC 2.5970 V1 29.641
 RP 108.94 LAP -2.58 LOP 305.93 VP 35.603 GAP -23.29 AZP 89.74 TAL 156.37 TAP 252.09 RCA 68.46 APO 158.62 V2 34.785
 RC 50.440 GL -7.57 GP 5.63 ZAL 48.00 ZAP 10.20 ETS 215.00 ZAE 147.38 ETE 155.40 ZAC 127.40 ETC 24.53 CLP 8.52

PLANETOCENTRIC CONIC

C3 66.438 VML 8.151 DLA -.19 RAL 161.13 RAD 6569.3 VEL 13.704 PTH 2.50 VMP 14.322 DPA 24.67 RAP 139.45 ECC 2.0934
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 13 16 2506.00 -25.41 60.81 43.32 102.94 8 55 2 1906.0 -23.37 52.74
 90.00 20 8 26 5162.01 25.59 230.60 43.48 77.44 21 34 28 4562.0 23.60 222.49
 100.00 9 34 31 2243.91 -26.80 41.17 42.95 103.76 10 11 55 1643.9 -24.64 33.04
 100.00 21 29 52 4899.34 26.98 210.93 43.13 76.62 22 51 31 4299.3 24.87 202.76
 110.00 10 42 33 2030.93 -30.56 23.86 41.81 106.12 11 16 24 1430.9 -28.05 15.57
 110.00 22 38 19 4685.08 30.75 193.54 42.01 74.28 23 56 24 4085.1 28.29 184.21

DIFFERENTIAL CORRECTIONS

TOE .9940 TRA-2.4787 TC3 -.2367 BAU .2207
 ROE -.4985 RRA -.4212 RC3 .0756 FAU .01563
 FDE -.7841 FRA 1.4323 FC3 -.2037 BSP 6002
 BDE 1.1119 BRA 2.5142 BC3 .2485 FSP -275

MID-COURSE EXECUTION ACCURACY

SGT 1916.5 SGR 475.0 SG3 103.2
 RRT .2456 RRF -.2571 RTF -.8783
 SGB 1974.5 R23 -.0291 R13 -.8788
 SGI 1920.2 SG2 459.6 TMA 3.70

ORBIT DETERMINATION ACCURACY

ST 872.7 SR 361.5 SS 777.8
 CRT -.6290 CRS -.7317 CST .9897
 LSA 1192.7 MSA 272.9 SSA 17.2
 EL1 904.8 EL2 271.0 ALF 163.91

LAUNCH DATE APR 21 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC

DISTANCE 257.754

RL 150.32 LAL -.00 LOL 210.21 VL 24.668 GAL 13.48 AZL 92.73 HCA 98.87 SMA 114.68 ECC .38168 INC 2.7342 V1 29.641
 RP 108.94 LAP -2.70 LOP 309.10 VP 35.785 GAP -22.26 AZP 89.58 TAL 155.83 TAP 254.71 RCA 70.91 APO 158.46 V2 34.784
 RC 49.035 GL -8.40 GP 5.98 ZAL 47.66 ZAP 9.36 ETS 221.17 ZAE 148.88 ETE 152.29 ZAC 125.56 ETC 23.97 CLP 7.21

PLANETOCENTRIC CONIC

C3 61.378 VML 7.834 DLA -1.13 RAL 161.24 RAD 6569.1 VEL 13.518 PTH 2.47 VMP 13.741 DPA 24.49 RAP 141.51 ECC 2.0101
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 20 37 2457.87 -24.63 57.50 41.65 104.43 9 1 35 1857.9 -22.41 49.54
 90.00 20 1 53 5171.99 25.73 231.29 42.58 77.76 21 28 5 4572.0 23.79 223.16
 100.00 9 41 26 2197.17 -26.00 37.93 41.25 105.29 10 18 3 1597.2 -23.65 29.92
 100.00 21 23 45 4907.92 27.11 211.53 42.24 76.91 22 45 33 4307.9 25.04 203.34
 110.00 10 48 28 1987.33 -29.70 20.76 40.01 107.77 11 21 36 1387.3 -26.98 12.63
 110.00 22 33 13 4690.53 30.85 193.94 41.15 74.49 23 51 23 4090.5 28.41 185.58

DIFFERENTIAL CORRECTIONS

TOE .9998 TRA-2.4745 TC3 -.2348 BAU .2049
 ROE -.4590 RRA -.4100 RC3 .0850 FAU .01618
 FDE -.8252 FRA 1.4816 FC3 -.2282 BSP 6257
 BDE 1.1001 BRA 2.5083 BC3 .2497 FSP -299

MID-COURSE EXECUTION ACCURACY

SGT 1986.5 SGR 469.4 SG3 111.5
 RRT .2664 RRF -.2807 RTF -.8857
 SGB 2041.2 R23 -.0330 R13 -.8863
 SGI 1990.7 SG2 451.5 TMA 3.80

ORBIT DETERMINATION ACCURACY

ST 910.8 SR 347.5 SS 814.0
 CRT -.6211 CRS -.7272 CST .9897
 LSA 1241.3 MSA 267.9 SSA 17.2
 EL1 938.4 EL2 264.4 ALF 165.49

LAUNCH DATE APR 21 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC

DISTANCE 264.453

RL 150.32 LAL -.00 LOL 210.21 VL 24.890 GAL 12.94 AZL 92.87 HCA 102.03 SMA 115.79 ECC .36699 INC 2.8739 V1 29.641
 RP 108.94 LAP -2.81 LOP 312.26 VP 35.919 GAP -21.27 AZP 89.40 TAL 155.33 TAP 257.36 RCA 73.29 APO 158.28 V2 34.784
 RC 47.750 GL -9.29 GP 6.37 ZAL 47.38 ZAP 8.67 ETS 228.70 ZAE 150.41 ETE 148.68 ZAC 123.72 ETC 23.45 CLP 5.89

PLANETOCENTRIC CONIC

C3 56.773 VML 7.535 DLA -2.11 RAL 161.27 RAD 6569.0 VEL 13.347 PTH 2.44 VMP 13.178 DPA 24.33 RAP 143.55 ECC 1.9343
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 28 1 2408.51 -23.75 54.15 39.95 105.89 9 8 10 1808.5 -21.35 46.31
 90.00 19 54 47 5183.28 25.89 232.08 41.63 78.12 21 21 10 4583.3 24.00 223.93
 100.00 9 48 23 2149.29 -25.10 34.66 39.52 106.79 10 24 12 1549.3 -22.56 26.78
 100.00 21 17 6 4917.74 27.26 212.22 41.30 77.24 22 39 4 4317.7 25.23 204.01
 110.00 10 54 22 1942.71 -28.73 17.65 38.19 109.38 11 26 45 1342.7 -25.82 9.68
 110.00 22 27 36 4697.08 30.97 194.41 40.24 74.75 23 45 53 4097.1 28.57 186.04

DIFFERENTIAL CORRECTIONS

TOE 1.0062 TRA-2.4683 TC3 -.2308 BAU .1895
 ROE -.4198 RRA -.3998 RC3 .0953 FAU .01678
 FDE -.8701 FRA 1.5337 FC3 -.2559 BSP 6508
 BDE 1.0902 BRA 2.5005 BC3 .2497 FSP -326

MID-COURSE EXECUTION ACCURACY

SGT 2057.7 SGR 463.8 SG3 120.6
 RRT .2905 RRF -.3078 RTF -.8927
 SGB 2109.3 R23 -.0375 R13 -.8933
 SGI 2062.3 SG2 442.8 TMA 3.93

ORBIT DETERMINATION ACCURACY

ST 950.3 SR 332.0 SS 852.4
 CRT -.6112 CRS -.7209 CST .9887
 LSA 1292.6 MSA 262.4 SSA 17.2
 EL1 973.4 EL2 256.5 ALF 167.08

LAUNCH DATE APR 21 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 271.169

RL 150.32 LAL -0.00 LOL 210.21 VL 25.099 GAL 12.43 AZL 93.02 MCA 105.19 SMA 116.85 ECC .35299 INC 3.0169 V1 29.641
 RP 108.94 LAP -2.91 LOP 315.42 VP 36.065 GAP -20.32 AZP 89.21 TAL 154.85 TAP 260.04 RCA 75.60 APO 158.10 V2 34.785
 RC 46.594 GL -10.25 GP 6.81 ZAL 47.18 ZAP 8.19 ETS 237.60 ZAE 151.90 ETE 144.48 ZAC 121.87 ETC 22.98 CLP 4.56

PLANETOCENTRIC CONIC

C3 52.593 VML 7.252 DLA -3.13 RAL 161.24 RAD 6568.9 VEL 13.189 PTH 2.41 VMP 12.634 OPA 24.20 RAP 145.60 ECC 1.8655
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 35 30 2357.88 -22.77 90.77 38.23 107.31 9 14 47 1757.9 -20.19 43.05
 90.00 19 47 2 5196.17 26.07 232.98 40.65 78.54 21 13 38 4596.2 24.23 224.80
 100.00 9 55 22 2100.19 -24.09 31.36 37.77 108.25 10 30 23 1500.2 -21.37 23.62
 100.00 21 9 50 4929.08 27.43 213.02 40.33 77.63 22 31 59 4329.1 25.45 204.78
 110.00 11 0 16 1897.05 -27.66 14.53 36.36 110.94 11 31 53 1297.1 -24.56 6.73
 110.00 22 21 26 4704.99 31.11 194.98 39.30 75.06 23 39 51 4105.0 28.74 186.58

DIFFERENTIAL CORRECTIONS

TDE 1.0131 TRA-2.4598 TC3 -.2246 BAU .1748
 RDE -.3808 RRA -.3908 RC3 .1066 FAU .01744
 FDE -.9193 FRA 1.5887 FC3 -.2870 BSP 6761
 BDE 1.0823 BRA 2.4906 BC3 .2486 FSP -356

MID-COURSE EXECUTION ACCURACY

SGT 2129.5 SGR 458.3 SG3 130.5
 RRT .3184 RRF -.3390 RTF -.8993
 SGB 2178.3 R23 -.0425 R13 -.9000
 SG1 2134.7 SG2 433.4 TMA 4.09

ORBIT DETERMINATION ACCURACY

ST 990.8 SR 314.8 SS 893.4
 CRT -.5984 CRS -.7119 CST .9883
 LSA 1346.4 MSA 256.4 SSA 17.2
 EL1 1009.7 EL2 247.5 ALF 168.54

LAUNCH DATE APR 21 1967

FLIGHT TIME 120.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 277.898

RL 150.32 LAL -0.00 LOL 210.21 VL 25.294 GAL 11.94 AZL 93.16 MCA 108.35 SMA 117.87 ECC .33966 INC 3.1642 V1 29.641
 RP 108.94 LAP -3.00 LOP 318.59 VP 36.202 GAP -19.39 AZP 89.00 TAL 154.41 TAP 262.76 RCA 77.84 APO 157.91 V2 34.786
 RC 45.578 GL -11.28 GP 7.29 ZAL 47.06 ZAP 7.97 ETS 247.60 ZAE 153.32 ETE 139.60 ZAC 120.02 ETC 22.54 CLP 3.21

PLANETOCENTRIC CONIC

C3 48.806 VML 6.986 DLA -4.20 RAL 161.13 RAD 6568.8 VEL 13.045 PTH 2.38 VMP 12.107 OPA 24.10 RAP 147.64 ECC 1.8032
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 43 5 2305.88 -21.67 47.35 36.50 108.68 9 21 31 1705.9 -18.92 39.76
 90.00 19 38 36 5210.95 26.27 234.02 39.63 79.02 21 5 27 4611.0 24.49 225.81
 100.00 10 2 27 2049.84 -22.98 28.03 36.01 109.66 10 36 37 1449.8 -20.09 20.43
 100.00 21 1 55 4942.23 27.62 213.95 39.33 78.09 22 24 17 4342.2 25.70 205.68
 110.00 11 6 11 1850.33 -26.48 11.41 34.52 112.45 11 37 1 1250.3 -23.20 3.78
 110.00 22 14 40 4714.50 31.27 195.68 38.34 75.44 23 33 15 4114.5 28.96 187.24

DIFFERENTIAL CORRECTIONS

TDE 1.0211 TRA-2.4489 TC3 -.2156 BAU .1607
 RDE -.3418 RRA -.3833 RC3 .1190 FAU .01815
 FDE -.9735 FRA 1.6470 FC3 -.3220 BSP 7023
 BDE 1.0768 BRA 2.4787 BC3 .2463 FSP -388

MID-COURSE EXECUTION ACCURACY

SGT 2201.8 SGR 453.4 SG3 141.3
 RRT .3506 RRF -.3749 RTF -.9056
 SGB 2248.0 R23 -.0483 R13 -.9064
 SG1 2207.7 SG2 423.5 TMA 4.29

ORBIT DETERMINATION ACCURACY

ST 1032.7 SR 295.9 SS 937.2
 CRT -.5814 CRS -.6990 CST .9879
 LSA 1403.4 MSA 250.0 SSA 17.2
 EL1 1047.7 EL2 237.3 ALF 170.03

LAUNCH DATE APR 21 1967

FLIGHT TIME 122.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 284.637

RL 150.32 LAL -0.00 LOL 210.21 VL 25.477 GAL 11.47 AZL 93.32 MCA 111.50 SMA 118.85 ECC .32699 INC 3.3171 V1 29.641
 RP 108.93 LAP -3.09 LOP 321.75 VP 36.332 GAP -18.50 AZP 88.78 TAL 154.00 TAP 265.51 RCA 79.99 APO 157.71 V2 34.788
 RC 44.711 GL -12.38 GP 7.84 ZAL 47.01 ZAP 8.05 ETS 258.07 ZAE 154.60 ETE 133.98 ZAC 118.16 ETC 22.14 CLP 1.84

PLANETOCENTRIC CONIC

C3 45.385 VML 6.737 DLA -5.33 RAL 160.95 RAD 6568.7 VEL 12.913 PTH 2.35 VMP 11.597 OPA 24.04 RAP 149.67 ECC 1.7469
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 50 51 2252.43 -20.47 43.89 34.76 110.00 9 28 23 1652.4 -17.56 36.43
 90.00 19 29 23 5227.99 26.48 235.22 38.60 79.59 20 56 31 4628.0 24.78 226.97
 100.00 10 9 41 1998.13 -21.75 24.68 34.25 111.02 10 42 59 1398.1 -18.70 17.21
 100.00 20 53 15 4957.52 27.83 215.04 38.31 78.63 22 15 52 4357.5 25.98 206.73
 110.00 11 12 10 1802.50 -25.20 8.28 32.69 113.90 11 42 12 1202.5 -21.75 .82
 110.00 22 7 15 4725.91 31.47 196.51 37.36 75.90 23 26 1 4125.9 29.21 188.03

DIFFERENTIAL CORRECTIONS

TDE 1.0329 TRA-2.4335 TC3 -.2018 BAU .1465
 RDE -.3085 RRA -.3775 RC3 .1326 FAU .01896
 FDE -1.0342 FRA 1.7080 FC3 -.3617 BSP 7336
 BDE 1.0763 BRA 2.4626 BC3 .2415 FSP -425

MID-COURSE EXECUTION ACCURACY

SGT 2273.0 SGR 449.6 SG3 153.1
 RRT .3872 RRF -.4158 RTF -.9119
 SGB 2317.0 R23 -.0549 R13 -.9128
 SG1 2279.9 SG2 413.2 TMA 4.53

ORBIT DETERMINATION ACCURACY

ST 1077.3 SR 274.9 SS 984.5
 CRT -.5596 CRS -.6807 CST .9877
 LSA 1465.0 MSA 242.8 SSA 17.1
 EL1 1088.8 EL2 225.5 ALF 171.51

LAUNCH DATE APR 21 1967

FLIGHT TIME 124.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 291.383

RL 150.32 LAL -0.00 LOL 210.21 VL 25.647 GAL 11.03 AZL 93.48 MCA 114.66 SMA 119.79 ECC .31496 INC 3.4767 V1 29.641
 RP 108.92 LAP -3.16 LOP 324.92 VP 36.455 GAP -17.63 AZP 88.55 TAL 153.63 TAP 268.30 RCA 82.06 APO 157.51 V2 34.791
 RC 44.000 GL -13.57 GP 8.46 ZAL 47.05 ZAP 8.47 ETS 268.16 ZAE 155.65 ETE 127.60 ZAC 116.30 ETC 21.77 CLP .45

PLANETOCENTRIC CONIC

C3 42.307 VML 6.504 DLA -6.51 RAL 160.69 RAD 6568.6 VEL 12.793 PTH 2.33 VMP 11.105 OPA 24.04 RAP 151.71 ECC 1.6963
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 58 51 2197.40 -19.15 40.40 33.04 111.27 9 35 28 1597.4 -16.09 33.06
 90.00 19 19 20 5247.60 26.72 236.62 37.55 80.25 20 46 47 4647.7 25.10 228.32
 100.00 10 17 5 1944.98 -20.42 21.30 32.30 112.32 10 49 30 1345.0 -17.21 13.97
 100.00 20 43 46 4975.32 28.06 216.31 37.28 79.26 22 6 42 4375.3 26.29 207.96
 110.00 11 18 15 1753.51 -23.81 5.15 30.89 115.28 11 47 28 1153.5 -20.21 357.86
 110.00 21 59 6 4739.56 31.69 197.51 36.38 76.45 23 18 6 4139.6 29.50 188.99

DIFFERENTIAL CORRECTIONS

TDE 1.0425 TRA-2.4188 TC3 -.1874 BAU .1349
 RDE -.2627 RRA -.3738 RC3 .1474 FAU .01980
 FDE -1.1009 FRA 1.7736 FC3 -.4052 BSP 7583
 BDE 1.0751 BRA 2.4475 BC3 .2384 FSP -464

MID-COURSE EXECUTION ACCURACY

SGT 2345.6 SGR 447.4 SG3 166.0
 RRT .4302 RRF -.4628 RTF -.9174
 SGB 2387.8 R23 -.0622 R13 -.9184
 SG1 2353.7 SG2 402.5 TMA 4.83

ORBIT DETERMINATION ACCURACY

ST 1121.3 SR 251.9 SS 1034.9
 CRT -.5260 CRS -.6530 CST .9873
 LSA 1528.3 MSA 236.0 SSA 17.0
 EL1 1129.4 EL2 212.7 ALF 173.01

LAUNCH DATE APR 21 1967

FLIGHT TIME 126.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 298.135

RL 150.32 LAL -.00 LOL 210.21 VL 25.807 GAL 10.60 AZL 93.64 MCA 117.82 SMA 120.68 ECC .30357 INC 3.6447 V1 29.641
 RP 108.91 LAP -3.22 LOP 328.09 VP 36.570 GAP -16.79 AZP 88.30 TAL 153.30 TAP 271.12 RCA 84.04 APO 157.31 V2 34.795
 RC 43.455 GL -14.86 GP 9.15 ZAL 47.19 ZAP 9.20 ETS 277.15 ZAE 156.39 ETE 120.54 ZAC 114.44 ETC 21.43 CLP -.96

PLANETOCENTRIC CONIC

C3 39.552 VML 6.289 DLA -7.76 RAL 160.35 RAD 6568.5 VEL 12.685 PTH 2.30 VMP 10.631 DPA 24.10 RAP 153.75 ECC 1.6509
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 7 9 2140.62 -17.71 36.85 31.34 112.46 9 42 49 1540.6 -14.51 29.64
 90.00 19 8 19 5270.45 26.97 238.24 36.50 81.03 20 36 9 4670.5 25.45 229.90
 100.00 10 24 45 1890.26 -18.97 17.88 30.78 113.55 10 56 15 1290.3 -15.62 10.69
 100.00 20 33 24 4996.05 28.32 217.80 36.25 80.00 21 56 40 4396.0 26.64 209.40
 110.00 11 24 28 1703.28 -22.31 2.02 29.10 116.59 11 52 51 1103.3 -18.56 354.89
 110.00 21 50 10 4755.79 31.94 198.71 35.40 77.12 23 9 26 4155.8 29.84 190.13

DIFFERENTIAL CORRECTIONS

TDE 1.0559 TRA-2.4006 TC3 -.1694 BAU .1244
 RDE -.2221 RRA -.3725 RC3 .1634 FAU .02070
 FDE-1.1755 FRA 1.8434 FC3 -.4532 BSP 7841
 BDE 1.0790 BRA 2.4293 BC3 .2353 FSP -506

MID-COURSE EXECUTION ACCURACY

SGT 2417.2 SGR 447.7 SG3 180.1
 RRT .4782 RRF -.5153 RTF -.9229
 SGB 2458.3 R23 -.0707 R13 -.9241
 SGI 2426.9 SG2 391.6 TMA 5.20

ORBIT DETERMINATION ACCURACY

ST 1167.9 SR 227.0 SS 1089.1
 CRT -.4777 CRS -.6106 CST .9871
 LSA 1596.5 MSA 228.7 SSA 16.8
 EL1 1173.0 EL2 198.6 ALF 174.54

LAUNCH DATE APR 21 1967

FLIGHT TIME 128.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 304.889

RL 150.32 LAL -.00 LOL 210.21 VL 25.955 GAL 10.20 AZL 93.82 MCA 120.98 SMA 121.53 ECC .29280 INC 3.8229 V1 29.641
 RP 108.90 LAP -3.28 LOP 331.25 VP 36.679 GAP -15.98 AZP 88.03 TAL 152.99 TAP 273.97 RCA 85.94 APO 157.11 V2 34.799
 RC 43.079 GL -16.24 GP 9.94 ZAL 47.42 ZAP 10.23 ETS 284.70 ZAE 156.74 ETE 112.98 ZAC 112.57 ETC 21.11 CLP -2.40

PLANETOCENTRIC CONIC

C3 37.100 VML 6.091 DLA -9.08 RAL 159.93 RAD 6568.4 VEL 12.588 PTH 2.28 VMP 10.175 DPA 24.24 RAP 155.80 ECC 1.6106
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 15 51 2081.89 -16.14 33.25 29.68 113.58 9 50 33 1481.9 -12.82 26.15
 90.00 18 56 13 5296.83 27.24 240.12 35.47 81.93 20 24 30 4696.8 25.84 231.73
 100.00 10 32 45 1833.78 -17.39 14.42 29.09 114.70 11 3 19 1233.8 -13.92 7.36
 100.00 20 22 0 5020.18 -28.59 219.54 35.24 80.88 21 45 40 4420.2 27.03 211.09
 110.00 11 30 64 1651.71 -20.71 358.88 27.36 117.82 11 58 26 1051.7 -16.82 351.91
 110.00 21 40 21 4775.01 32.22 200.14 34.45 77.92 22 59 56 4175.0 30.22 191.49

DIFFERENTIAL CORRECTIONS

TDE 1.0713 TRA-2.3822 TC3 -.1489 BAU .1162
 RDE -.1800 RRA -.3739 RC3 .1808 FAU .02169
 FDE-1.2596 FRA 1.9172 FC3 -.5060 BSP 8090
 BDE 1.0863 BRA 2.4114 BC3 .2342 FSP -553

MID-COURSE EXECUTION ACCURACY

SGT 2489.6 SGR 451.7 SG3 195.5
 RRT .5315 RRF -.5731 RTF -.9279
 SGB 2530.3 R23 -.0804 R13 -.9292
 SGI 2501.4 SG2 380.8 TMA 5.64

ORBIT DETERMINATION ACCURACY

ST 1216.1 SR 200.3 SS 1147.7
 CRT -.4018 CRS -.5427 CST .9869
 LSA 1669.4 MSA 221.7 SSA 16.6
 EL1 1218.9 EL2 183.0 ALF 176.13

LAUNCH DATE APR 21 1967

FLIGHT TIME 130.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 311.643

RL 150.32 LAL -.00 LOL 210.21 VL 26.094 GAL 9.81 AZL 94.01 MCA 124.14 SMA 122.33 ECC .28263 INC 4.0132 V1 29.641
 RP 108.88 LAP -3.32 LOP 334.42 VP 36.782 GAP -15.19 AZP 87.74 TAL 152.72 TAP 276.87 RCA 87.76 APO 156.91 V2 34.804
 RC 42.876 GL -17.73 GP 10.85 ZAL 47.76 ZAP 11.51 ETS 290.75 ZAE 156.65 ETE 105.24 ZAC 110.70 ETC 20.82 CLP -3.88

PLANETOCENTRIC CONIC

C3 34.936 VML 5.911 DLA -10.48 RAL 159.41 RAD 6568.4 VEL 12.502 PTH 2.26 VMP 9.737 DPA 24.49 RAP 157.86 ECC 1.5750
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 25 4 2020.94 -14.45 29.58 28.06 114.62 9 58 45 1420.9 -11.01 22.59
 90.00 18 42 54 5327.43 27.51 242.32 34.45 83.00 20 11 41 4727.4 26.25 233.88
 100.00 10 41 12 1775.33 -15.70 10.91 27.45 115.77 11 10 47 1175.3 -12.10 3.97
 100.00 20 9 27 5048.27 28.88 221.58 34.25 81.91 21 33 36 4448.3 27.46 213.07
 110.00 11 37 36 1598.68 -18.99 355.72 25.66 118.97 12 4 15 998.7 -14.98 348.90
 110.00 21 29 32 4797.69 32.53 201.83 33.53 78.88 22 49 30 4197.7 30.66 193.12

DIFFERENTIAL CORRECTIONS

TDE 1.0891 TRA-2.3611 TC3 -.1256 BAU .1102
 RDE -.1358 RRA -.3787 RC3 .1996 FAU .02272
 FDE-1.3543 FRA 1.9957 FC3 -.5631 BSP 8324
 BDE 1.0976 BRA 2.3913 BC3 .2359 FSP -604

MID-COURSE EXECUTION ACCURACY

SGT 2560.1 SGR 460.8 SG3 212.3
 RRT .5890 RRF -.6348 RTF -.9326
 SGB 2601.3 R23 -.0913 R13 -.9341
 SGI 2574.8 SG2 370.3 TMA 6.18

ORBIT DETERMINATION ACCURACY

ST 1265.8 SR 172.9 SS 1211.0
 CRT -.2776 CRS -.4279 CST .9868
 LSA 1747.1 MSA 214.9 SSA 16.3
 EL1 1266.7 EL2 166.0 ALF 177.79

LAUNCH DATE APR 21 1967

FLIGHT TIME 132.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 318.394

RL 150.32 LAL -.00 LOL 210.21 VL 26.222 GAL 9.45 AZL 94.22 MCA 127.30 SMA 123.10 ECC .27304 INC 4.2185 V1 29.641
 RP 108.87 LAP -3.35 LOP 337.59 VP 36.878 GAP -14.42 AZP 87.44 TAL 152.49 TAP 279.79 RCA 89.49 APO 156.71 V2 34.809
 RC 42.849 GL -19.33 GP 11.88 ZAL 48.21 ZAP 13.03 ETS 295.47 ZAE 156.08 ETE 97.69 ZAC 108.83 ETC 20.56 CLP -5.39

PLANETOCENTRIC CONIC

C3 33.050 VML 5.749 DLA -11.97 RAL 158.80 RAD 6568.3 VEL 12.427 PTH 2.25 VMP 9.318 DPA 24.85 RAP 159.94 ECC 1.5439
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 34 57 1957.38 -12.61 25.81 26.51 115.56 10 7 34 1357.4 -9.07 18.93
 90.00 18 28 9 5362.98 27.78 244.89 33.47 84.26 19 57 32 4763.0 26.69 236.39
 100.00 10 50 12 1714.61 -13.87 7.33 25.87 116.75 11 18 46 1114.6 -10.17 .50
 100.00 19 55 35 5080.99 29.17 223.97 33.30 83.14 21 20 16 4481.0 27.91 215.39
 110.00 11 44 40 1544.01 -17.16 352.54 24.03 120.03 12 10 24 944.0 -13.04 345.86
 110.00 21 17 36 4824.35 32.87 203.84 32.66 80.02 22 38 1 4224.4 31.14 195.05

DIFFERENTIAL CORRECTIONS

TDE 1.1140 TRA-2.3347 TC3 -.0957 BAU .1061
 RDE -.0884 RRA -.3872 RC3 .2201 FAU .02389
 FDE-1.4631 FRA 2.0770 FC3 -.6258 BSP 8636
 BDE 1.1175 BRA 2.3665 BC3 .2400 FSP -662

MID-COURSE EXECUTION ACCURACY

SGT 2627.2 SGR 476.9 SG3 230.6
 RRT .6485 RRF -.6980 RTF -.9375
 SGB 2670.1 R23 -.1029 R13 -.9393
 SGI 2645.7 SG2 360.5 TMA 6.84

ORBIT DETERMINATION ACCURACY

ST 1319.7 SR 147.7 SS 1280.4
 CRT -.0689 CRS -.2266 CST .9870
 LSA 1833.0 MSA 207.6 SSA 15.9
 EL1 1319.8 EL2 147.4 ALF 179.55

LAUNCH DATE APR 21 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 325.141

RL 150.32 LAL -.00 LOL 210.21 VL 26.342 GAL 9.10 AZL 94.44 MCA 130.46 SMA 123.82 ECC .26402 INC 4.4418 VI 29.641
 RP 108.85 LAP -3.38 LOP 340.76 VP 36.969 GAP -13.68 AZP 87.11 TAL 152.28 TAP 282.75 RCA 91.13 APO 156.51 V2 34.815
 RC 42.995 GL -21.06 GP 13.07 ZAL 48.79 ZAP 14.77 ETS 299.05 ZAE 155.04 ETE 90.71 ZAC 106.94 ETC 20.31 CLP -6.94

PLANETOCENTRIC CONIC

C3 31.434 VHL 5.607 OLA -13.55 RAL 158.09 RAD 6568.5 VEL 12.362 PTH 2.23 VMP 8.918 DPA 25.36 RAP 162.05 ECC 1.5173
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 45 42 1890.71 -10.62 21.93 25.04 116.40 10 17 12 1290.7 -6.99 15.13
 90.00 18 11 44 5404.42 28.02 247.89 32.53 85.75 19 41 48 4804.4 27.14 239.34
 100.00 10 59 56 1651.20 -11.89 3.66 24.37 117.63 11 27 27 1051.2 -8.10 356.92
 100.00 19 40 11 5119.16 29.44 226.77 32.40 84.59 21 5 30 4519.2 28.38 218.13
 110.00 11 52 12 1487.47 -15.20 349.33 22.46 120.99 12 17 0 887.5 -10.98 342.77
 110.00 21 4 24 4855.65 33.21 206.22 31.86 81.39 22 25 19 4255.6 31.66 197.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1443 TRA-2.3054 TC3 -.0621 BAU .1051 SGT 2691.7 SGR 502.2 SG3 250.4 ST 1377.0 SR 132.0 SS 1356.0
 RDE -.0369 RRA -.4002 RC3 .2423 FAU .02514 RRT .7076 RRF -.7597 RTF -.9422 CRT .2622 CRS .1079 CST .9874
 FDE -1.5875 FRA 2.1615 FC3 -.6924 BSP 8967 SGB 2738.2 R23 -.1152 R13 -.9444 LSA 1926.6 MSA 200.4 SSA 15.3
 BDE 1.1449 BRA 2.3399 BC3 .2501 FSP -727 SG1 2715.5 SG2 351.8 TMA 7.65 EL1 1377.4 EL2 127.3 ALF 1.45

LAUNCH DATE APR 21 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 331.881

RL 150.32 LAL -.00 LOL 210.21 VL 26.453 GAL 8.78 AZL 94.69 MCA 133.63 SMA 124.50 ECC .25556 INC 4.6874 VI 29.641
 RP 108.83 LAP -3.39 LOP 343.94 VP 37.055 GAP -12.95 AZP 86.76 TAL 152.11 TAP 285.74 RCA 92.68 APO 156.32 V2 34.822
 RC 43.312 GL -22.92 GP 14.45 ZAL 49.49 ZAP 16.74 ETS 301.69 ZAE 153.56 ETE 84.54 ZAC 105.04 ETC 20.07 CLP -8.53

PLANETOCENTRIC CONIC

C3 30.087 VHL 5.485 OLA -15.24 RAL 157.27 RAD 6568.2 VEL 12.307 PTH 2.22 VMP 8.540 DPA 26.04 RAP 164.20 ECC 1.4952
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 57 35 1820.20 -8.46 17.88 23.67 117.12 10 27 55 1220.2 -4.76 11.15
 90.00 17 53 17 5452.92 28.22 251.43 31.65 87.51 19 24 10 4852.9 27.57 242.82
 100.00 11 10 37 1584.55 -9.76 359.86 22.98 118.39 11 37 2 984.6 -5.89 353.21
 100.00 19 22 56 5163.80 29.68 230.07 31.56 86.31 20 49 0 4563.8 28.86 221.36
 110.00 12 0 21 1428.77 -13.12 346.06 20.99 121.85 12 24 10 828.8 -8.81 339.60
 110.00 20 49 42 4892.35 33.55 209.03 31.14 83.02 22 11 14 4292.3 32.22 200.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1804 TRA-2.2736 TC3 -.0257 BAU .1076 SGT 2753.2 SGR 539.5 SG3 271.7 ST 1437.2 SR 137.9 SS 1438.0
 RDE .0205 RRA -.4186 RC3 .2662 FAU .02645 RRT .7632 RRF -.8168 RTF -.9467 CRT .6396 CRS .5141 CST .9878
 FDE -1.7297 FRA 2.2483 FC3 -.7611 BSP 9308 SGB 2805.5 R23 -.1280 R13 -.9493 LSA 2028.5 MSA 193.8 SSA 14.6
 BDE 1.1806 BRA 2.3118 BC3 .2674 FSP -798 SG1 2784.3 SG2 344.7 TMA 8.64 EL1 1439.9 EL2 105.8 ALF 3.53

LAUNCH DATE APR 21 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 338.614

RL 150.32 LAL -.00 LOL 210.21 VL 26.555 GAL 8.47 AZL 94.96 MCA 136.79 SMA 125.14 ECC .24763 INC 4.9604 VI 29.641
 RP 108.80 LAP -3.39 LOP 347.11 VP 37.135 GAP -12.25 AZP 86.38 TAL 151.97 TAP 288.76 RCA 94.15 APO 156.13 V2 34.830
 RC 43.796 GL -24.94 GP 16.06 ZAL 50.35 ZAP 18.94 ETS 303.56 ZAE 151.69 ETE 79.34 ZAC 103.12 ETC 19.84 CLP -10.17

PLANETOCENTRIC CONIC

C3 29.014 VHL 5.386 OLA -17.05 RAL 156.33 RAD 6568.2 VEL 12.263 PTH 2.21 VMP 8.185 DPA 26.93 RAP 166.42 ECC 1.4775
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 11 1 1744.80 -6.10 13.60 22.44 117.71 10 40 6 1144.8 -2.34 6.93
 90.00 17 32 21 5510.13 28.31 255.61 30.82 89.61 19 4 11 4910.1 27.96 246.96
 100.00 11 22 35 1513.85 -7.45 355.89 21.71 119.03 11 47 49 913.9 -3.52 349.30
 100.00 19 3 28 5216.31 29.85 233.97 30.79 88.35 20 30 24 4616.3 29.30 225.20
 110.00 12 9 18 1367.50 -10.89 342.70 19.63 122.60 12 32 6 767.5 -6.52 336.35
 110.00 20 33 14 4935.43 33.86 212.36 30.52 84.97 21 55 30 4335.4 32.79 203.28

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2230 TRA-2.2407 TC3 .0106 BAU .1132 SGT 2812.0 SGR 591.8 SG3 294.3 ST 1500.6 SR 174.1 SS 1526.5
 RDE .0858 RRA -.4433 RC3 .2916 FAU .02776 RRT .8123 RRF -.8661 RTF -.9509 CRT .8781 CRS .7965 CST .9884
 FDE -1.8921 FRA 2.3368 FC3 -.8284 BSP 9631 SGB 2873.6 R23 -.1409 R13 -.9540 LSA 2139.3 MSA 188.0 SSA 13.8
 BDE 1.2260 BRA 2.2842 BC3 .2918 FSP -874 SG1 2853.4 SG2 340.2 TMA 9.84 EL1 1508.4 EL2 82.9 ALF 5.84

LAUNCH DATE APR 21 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 345.336

RL 150.32 LAL -.00 LOL 210.21 VL 26.651 GAL 8.18 AZL 95.27 MCA 139.95 SMA 125.74 ECC .24021 INC 5.2676 VI 29.641
 RP 108.78 LAP -3.39 LOP 350.29 VP 37.211 GAP -11.57 AZP 85.96 TAL 151.86 TAP 291.81 RCA 95.54 APO 155.94 V2 34.838
 RC 44.440 GL -27.12 GP 17.95 ZAL 51.35 ZAP 21.41 ETS 304.80 ZAE 149.46 ETE 75.12 ZAC 101.16 ETC 19.60 CLP -11.87

PLANETOCENTRIC CONIC

C3 28.226 VHL 5.313 OLA -18.98 RAL 155.26 RAD 6568.1 VEL 12.231 PTH 2.20 VMP 7.856 DPA 28.08 RAP 168.74 ECC 1.4645
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 26 36 1662.78 -3.48 8.99 21.40 118.12 10 54 19 1062.8 .31 2.36
 90.00 17 8 12 5578.41 28.24 260.60 30.05 92.11 18 41 10 4978.4 28.24 251.94
 100.00 11 36 19 1437.83 -4.92 351.66 20.61 119.52 12 0 17 837.8 -.95 345.12
 100.00 18 41 10 5278.59 29.88 238.59 30.09 90.79 20 9 9 4678.6 29.67 229.80
 110.00 12 19 20 1303.03 -8.51 339.24 18.40 123.23 12 41 3 703.0 -4.07 332.95
 110.00 20 14 39 4986.15 34.09 216.30 30.01 87.29 21 37 45 4386.2 33.34 207.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2909 TRA-2.1890 TC3 .0710 BAU .1238 SGT 2859.4 SGR 662.8 SG3 318.2 ST 1580.8 SR 239.7 SS 1628.0
 RDE .1633 RRA -.4742 RC3 .3203 FAU .02955 RRT .8553 RRF -.9061 RTF -.9567 CRT .9679 CRS .9233 CST .9898
 FDE -2.0881 FRA 2.4123 FC3 -.9062 BSP 10356 SGB 2935.2 R23 -.1474 R13 -.9603 LSA 2274.8 MSA 178.3 SSA 12.9
 BDE 1.3012 BRA 2.2398 BC3 .3280 FSP -977 SG1 2915.8 SG2 336.8 TMA 11.37 EL1 1597.8 EL2 59.6 ALF 8.36

LAUNCH DATE APR 21 1967 FLIGHT TIME 142.00 ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC
 RL 150.32 LAL -.00 LOL 210.21 VL 26.738 GAL 7.91 AZL 95.62 MCA 143.12 SMA 126.30 ECC .23331 INC 5.6182 V1 29.641
 RP 108.75 LAP -3.37 LOP 353.47 VP 37.282 GAP -10.91 AZP 85.50 TAL 151.76 TAP 294.88 RCA 96.83 APO 155.77 V2 34.846
 RC 45.237 GL -29.48 GP 20.17 ZAL 52.52 ZAP 24.17 ETS 305.50 ZAE 146.90 ETE 71.84 ZAC 99.16 ETC 19.35 CLP -13.61

PLANETOCENTRIC CONIC
 C3 27.762 VHL 5.269 DLA -21.05 RAL 154.04 RAD 6568.1 VEL 12.212 PTH 2.19 VMP 7.558 DPA 29.54 RAP 171.20 ECC 1.4569
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 45 24 1571.36 -.54 3.89 20.63 118.31 11 11 36 971.4 3.25 357.25
 90.00 16 39 43 5661.56 27.89 266.66 29.31 95.12 18 14 4 5061.6 28.31 258.02
 100.00 11 52 34 1354.61 -2.11 347.08 19.75 119.82 12 15 9 754.6 1.88 340.56
 100.00 18 15 14 5353.54 29.68 244.16 29.46 93.71 19 44 28 4753.5 29.88 235.36
 110.00 12 30 51 1234.63 -5.94 335.61 17.37 123.73 12 51 25 634.6 -1.47 329.38
 110.00 19 53 27 5046.28 34.18 220.99 29.64 90.07 21 17 33 4446.3 33.81 211.77

DIFFERENTIAL CORRECTIONS
 TDE 1.2796 TRA-2.2263 TC3 .0000 BAU .1257
 RDE .2487 RRA -.5225 RC3 .3387 FAU .02841
 FDE -2.2510 FRA 2.5461 FC3 -.8859 BSP 8937
 BDE 1.3035 BRA 2.2868 BC3 .3387 FSP -959

MID-COURSE EXECUTION ACCURACY
 SGT 2943.7 SGR 755.8 SG3 342.0
 RRT .8790 RRF -.9365 RTF -.9529
 SGB 3039.1 R23 -.1820 R13 -.9581
 SGI 3018.8 SG2 351.3 THA 12.90

ORBIT DETERMINATION ACCURACY
 ST 1594.3 SR 326.5 SS 1701.0
 CRT .9959 CRS .9698 CST .9870
 LSA 2345.9 MSA 195.4 SSA 11.9
 EL1 1827.1 EL2 28.8 ALF 11.53

LAUNCH DATE APR 21 1967 FLIGHT TIME 144.00 ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC
 RL 150.32 LAL -.00 LOL 210.21 VL 26.819 GAL 7.66 AZL 96.02 MCA 146.28 SMA 126.82 ECC .22688 INC 6.0249 V1 29.641
 RP 108.72 LAP -3.34 LOP 356.64 VP 37.349 GAP -10.26 AZP 84.98 TAL 151.70 TAP 297.98 RCA 98.05 APO 155.60 V2 34.856
 RC 46.178 GL -32.04 GP 22.80 ZAL 53.89 ZAP 27.28 ETS 305.75 ZAE 143.98 ETE 69.44 ZAC 97.10 ETC 19.06 CLP -15.40

PLANETOCENTRIC CONIC
 C3 27.652 VHL 5.259 DLA -23.28 RAL 152.65 RAD 6568.1 VEL 12.208 PTH 2.19 VMP 7.298 DPA 31.37 RAP 173.86 ECC 1.4551
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 9 23 1464.45 2.91 357.92 20.23 118.18 11 33 48 864.4 6.66 351.24
 90.00 16 4 36 5766.49 27.02 274.21 28.50 98.81 17 40 43 5166.5 27.96 265.67
 100.00 12 12 39 1260.23 1.09 341.90 19.21 119.87 12 33 39 660.2 5.06 335.36
 100.00 17 44 1 5445.93 29.08 250.96 28.83 97.24 19 14 47 4845.9 29.78 242.22
 110.00 12 44 24 1160.70 -3.13 331.73 16.58 124.06 13 3 44 560.7 1.36 325.52
 110.00 19 28 46 5118.22 34.04 226.61 29.37 93.39 20 54 4 4518.2 34.13 217.36

DIFFERENTIAL CORRECTIONS
 TDE 1.3688 TRA-2.1755 TC3 .0493 BAU .1368
 RDE .3614 RRA -.5738 RC3 .3667 FAU .02965
 FDE -2.4965 FRA 2.6075 FC3 -.9283 BSP 9589
 BDE 1.4157 BRA 2.2499 BC3 .3700 FSP -1057

MID-COURSE EXECUTION ACCURACY
 SGT 2981.0 SGR 875.8 SG3 365.7
 RRT .9053 RRF -.9583 RTF -.9580
 SGB 3107.0 R23 -.1840 R13 -.9643
 SGI 3086.2 SG2 359.3 THA 15.10

ORBIT DETERMINATION ACCURACY
 ST 1680.4 SR 443.7 SS 1812.2
 CRT .9997 CRS .9887 CST .9887
 LSA 2503.8 MSA 188.2 SSA 10.8
 EL1 1738.0 EL2 10.8 ALF 14.79

LAUNCH DATE APR 21 1967 FLIGHT TIME 146.00 ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC
 RL 150.32 LAL -.00 LOL 210.21 VL 26.894 GAL 7.42 AZL 96.51 MCA 149.45 SMA 127.31 ECC .22093 INC 6.5052 V1 29.641
 RP 108.69 LAP -3.30 LOP 359.82 VP 37.411 GAP -9.64 AZP 84.39 TAL 151.65 TAP 301.10 RCA 99.18 APO 155.43 V2 34.865
 RC 47.255 GL -34.83 GP 25.94 ZAL 55.47 ZAP 30.82 ETS 305.60 ZAE 140.68 ETE 67.79 ZAC 94.94 ETC 18.70 CLP -17.24

PLANETOCENTRIC CONIC
 C3 27.983 VHL 5.290 DLA -25.68 RAL 151.05 RAD 6568.1 VEL 12.221 PTH 2.20 VMP 7.084 DPA 33.65 RAP 176.80 ECC 1.4605
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 43 41 1326.70 7.30 350.17 20.50 117.44 12 5 48 726.7 10.92 343.36
 90.00 15 17 34 622.13 25.12 306.39 27.39 103.52 15 27 56 22.1 26.73 298.09
 100.00 12 39 27 1146.61 4.93 335.65 19.21 119.52 12 58 34 546.6 8.82 329.03
 100.00 17 4 29 5565.49 27.75 259.59 28.05 101.59 18 37 15 4965.5 29.06 251.03
 110.00 13 1 1 1078.94 -.01 327.46 16.14 124.18 13 19 0 478.9 4.48 321.24
 110.00 18 59 24 5205.93 33.48 233.39 29.16 97.36 20 26 10 4605.9 34.13 224.21

DIFFERENTIAL CORRECTIONS
 TDE 1.4663 TRA-2.1348 TC3 .0776 BAU .1493
 RDE .5024 RRA -.6380 RC3 .3914 FAU .03014
 FDE -2.7621 FRA 2.6532 FC3 -.9323 BSP 10017
 BDE 1.5500 BRA 2.2281 BC3 .3990 FSP -1137

MID-COURSE EXECUTION ACCURACY
 SGT 3018.6 SGR 1027.3 SG3 387.3
 RRT .9240 RRF -.9732 RTF -.9618
 SGB 3188.7 R23 -.1844 R13 -.9695
 SGI 3166.6 SG2 374.5 THA 17.71

ORBIT DETERMINATION ACCURACY
 ST 1764.9 SR 590.9 SS 1922.6
 CRT .9985 CRS .9958 CST .9899
 LSA 2669.4 MSA 185.1 SSA 9.6
 EL1 1860.9 EL2 30.8 ALF 18.49

LAUNCH DATE APR 21 1967 FLIGHT TIME 148.00 ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC
 RL 150.32 LAL -.00 LOL 210.21 VL 26.962 GAL 7.20 AZL 97.09 MCA 152.61 SMA 127.76 ECC .21543 INC 7.0851 V1 29.641
 RP 108.66 LAP -3.25 LOP 3.01 VP 37.470 GAP -9.03 AZP 83.70 TAL 151.63 TAP 304.24 RCA 100.24 APO 155.28 V2 34.875
 RC 48.458 GL -37.87 GP 29.71 ZAL 57.28 ZAP 34.84 ETS 305.12 ZAE 136.90 ETE 66.77 ZAC 92.66 ETC 18.22 CLP -19.10

PLANETOCENTRIC CONIC
 C3 28.886 VHL 5.375 DLA -28.27 RAL 149.21 RAD 6568.2 VEL 12.258 PTH 2.21 VMP 6.934 DPA 36.45 RAP 180.19 ECC 1.4754
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 8 54 1028.97 16.11 332.75 23.20 113.61 13 26 3 429.0 19.17 325.41
 90.00 13 37 40 935.71 18.56 327.00 24.27 111.78 13 53 15 335.7 21.36 319.44
 100.00 13 22 4 986.32 10.21 326.68 20.25 118.25 13 38 31 386.3 13.91 319.84
 100.00 16 7 10 5741.64 24.74 271.80 26.63 107.34 17 42 52 5141.6 26.88 263.66
 110.00 13 22 41 984.37 3.61 322.52 16.24 124.02 13 39 6 384.4 8.05 316.25
 110.00 18 23 3 5316.35 32.20 241.75 28.86 102.15 19 51 39 4716.3 33.54 232.77

DIFFERENTIAL CORRECTIONS
 TDE 1.5879 TRA-2.0970 TC3 .0947 BAU .1626
 RDE .6842 RRA -.7156 RC3 .4103 FAU .02984
 FDE -3.0480 FRA 2.6631 FC3 -.8942 BSP 10433
 BDE 1.7290 BRA 2.2157 BC3 .4210 FSP -1202

MID-COURSE EXECUTION ACCURACY
 SGT 3052.6 SGR 1215.2 SG3 404.1
 RRT .9376 RRF -.9829 RTF -.9652
 SGB 3285.6 R23 -.1794 R13 -.9745
 SGI 3261.7 SG2 395.4 THA 20.79

ORBIT DETERMINATION ACCURACY
 ST 1856.2 SR 774.4 SS 2031.2
 CRT .9966 CRS .9986 CST .9911
 LSA 2852.6 MSA 183.1 SSA 8.4
 EL1 2010.4 EL2 58.5 ALF 22.60

LAUNCH DATE APR 21 1967

FLIGHT TIME 150.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 378.758

RL 150.32 LAL -.00 LOL 210.21 VL 27.024 GAL 7.00 AZL 97.80 MCA 155.77 SMA 128.18 ECC .21037 INC 7.8041 V1 29.641
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.524 GAP -8.43 AZP 82.88 TAL 151.61 TAP 307.39 RCA 101.21 APO 155.14 V2 34.886
 RC 49.776 GL -41.19 GP 34.22 ZAL 59.37 ZAP 39.44 ETS 304.34 ZAE 132.54 ETE 66.23 ZAC 90.21 ETC 17.52 CLP -20.95

PLANETOCENTRIC CONIC

C3 30.586 VHL 5.530 DLA -31.05 RAL 147.06 RAD 6568.2 VEL 12.327 PTH 2.22 VHP 6.872 DPA 39.84 RAP 184.23 ECC 1.5034
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.69 11 28 53 1336.74 18.51 356.60 23.27 115.39 11 51 10 736.7 21.77 349.24
 103.31 15 0 31 656.59 18.52 306.40 23.27 115.38 15 11 28 56.6 21.79 299.04
 76.69 11 28 53 1336.74 18.51 356.60 23.27 115.39 11 51 10 736.7 21.77 349.24
 103.31 15 0 31 656.59 18.52 306.40 23.27 115.38 15 11 28 56.6 21.79 299.04
 110.00 13 54 22 863.63 8.17 316.15 17.30 123.31 14 8 46 263.6 12.49 309.73
 110.00 17 34 13 5465.74 29.54 252.57 28.07 108.04 19 5 19 4865.7 31.72 244.04

DIFFERENTIAL CORRECTIONS

TDE 1.7474 TRA-2.0624 TC3 .1009 BAW .1762
 RDE .9244 RRA -.8057 RC3 .4189 FAU .02849
 FDE-3.3435 FRA 2.6150 FC3 -.8065 BSP 10898
 BDE 1.9769 BRA 2.2142 BC3 .4309 FSP -1243

MID-COURSE EXECUTION ACCURACY

SGT 3083.9 SGR 1442.7 SG3 412.5
 RRT .9476 RRF -.9890 RTF -.9683
 SGB 3404.7 R23 -.1688 R13 -.9794
 SG1 3378.6 SG2 420.9 TMA 24.31

ORBIT DETERMINATION ACCURACY

ST 1958.9 SR 1001.4 SS 2132.4
 CRT .9954 CRS .9996 CST .9922
 LSA 3058.4 MSA 181.8 SSA 7.3
 EL1 2198.3 EL2 85.9 ALF 27.01

LAUNCH DATE APR 21 1967

FLIGHT TIME 152.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 385.391

RL 150.32 LAL -.00 LOL 210.21 VL 27.081 GAL 6.81 AZL 98.72 MCA 158.94 SMA 128.56 ECC .20573 INC 8.7248 V1 29.641
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.576 GAP -7.85 AZP 81.85 TAL 151.61 TAP 310.54 RCA 102.11 APO 155.01 V2 34.897
 RC 51.201 GL -44.82 GP 39.61 ZAL 61.77 ZAP 44.71 ETS 303.25 ZAE 127.44 ETE 65.95 ZAC 87.54 ETC 16.46 CLP -22.70

PLANETOCENTRIC CONIC

C3 33.486 VHL 5.787 DLA -34.04 RAL 144.52 RAD 6568.3 VEL 12.444 PTH 2.25 VHP 6.938 DPA 43.87 RAP 189.29 ECC 1.5511
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.28 10 36 33 1490.62 19.41 8.86 23.05 118.52 11 1 24 890.6 23.07 1.64
 109.72 15 32 33 5836.34 19.43 276.51 23.06 118.51 17 9 50 5236.3 23.08 269.29
 70.28 10 36 33 1490.62 19.41 8.86 23.05 118.52 11 1 24 890.6 23.07 1.64
 109.72 15 32 33 5836.34 19.43 276.51 23.06 118.51 17 9 50 5236.3 23.08 269.29
 110.00 15 10 7 616.73 17.05 302.54 21.65 120.09 15 20 24 16.7 20.92 295.55
 110.00 15 58 10 5758.23 21.83 271.76 24.40 116.99 17 34 8 5158.2 25.26 264.30

DIFFERENTIAL CORRECTIONS

TDE 1.9827 TRA-2.0386 TC3 .0895 BAW .1870
 RDE 1.2463 RRA -.9064 RC3 .4080 FAU .02546
 FDE-3.6187 FRA 2.4895 FC3 -.6584 BSP 11354
 BDE 2.3250 BRA 2.2311 BC3 .4177 FSP -1237

MID-COURSE EXECUTION ACCURACY

SGT 3117.8 SGR 1708.4 SG3 407.7
 RRT .9547 RRF -.9927 RTF -.9711
 SGB 3555.2 R23 -.1538 R13 -.9839
 SG1 3526.6 SG2 449.5 TMA 28.11

ORBIT DETERMINATION ACCURACY

ST 2076.2 SR 1276.2 SS 2213.6
 CRT .9947 CRS .9999 CST .9933
 LSA 3287.3 MSA 181.6 SSA 6.2
 EL1 2434.5 EL2 111.5 ALF 31.52

LAUNCH DATE APR 21 1967

FLIGHT TIME 154.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 391.999

RL 150.32 LAL -.00 LOL 210.21 VL 27.133 GAL 6.64 AZL 99.95 MCA 162.09 SMA 128.91 ECC .20152 INC 9.9541 V1 29.641
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.624 GAP -7.29 AZP 80.52 TAL 151.61 TAP 313.70 RCA 102.93 APO 154.89 V2 34.908
 RC 52.722 GL -48.78 GP 46.02 ZAL 64.52 ZAP 50.69 ETS 301.80 ZAE 121.44 ETE 65.59 ZAC 84.61 ETC 14.75 CLP -24.19

PLANETOCENTRIC CONIC

C3 38.365 VHL 6.194 DLA -37.20 RAL 141.45 RAD 6568.5 VEL 12.639 PTH 2.29 VHP 7.205 DPA 48.46 RAP 195.99 ECC 1.6314
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 64.80 9 53 40 1616.82 19.81 19.14 23.10 122.15 10 20 37 1016.8 23.91 12.15
 115.20 15 50 59 5778.86 19.82 272.19 23.11 122.14 17 27 18 5178.9 23.92 265.20
 64.80 9 53 40 1616.82 19.81 19.14 23.10 122.15 10 20 37 1016.8 23.91 12.15
 115.20 15 50 59 5778.86 19.82 272.19 23.11 122.14 17 27 18 5178.9 23.92 265.20
 64.80 9 53 40 1616.82 19.81 19.14 23.10 122.15 10 20 37 1016.8 23.91 12.15
 115.20 15 50 59 5778.86 19.82 272.19 23.11 122.14 17 27 18 5178.9 23.92 265.20

DIFFERENTIAL CORRECTIONS

TDE 2.2801 TRA-2.0303 TC3 .0647 BAW .1919
 RDE 1.6843 RRA -1.0066 RC3 .3684 FAU .02048
 FDE-3.8353 FRA 2.2618 FC3 -.4622 BSP 11927
 BDE 2.8347 BRA 2.2661 BC3 .3741 FSP -1174

MID-COURSE EXECUTION ACCURACY

SGT 3164.4 SGR 2000.5 SG3 384.6
 RRT .9802 RRF -.9949 RTF -.9741
 SGB 3743.7 R23 -.1350 R13 -.9880
 SG1 3713.3 SG2 476.1 TMA 31.84

ORBIT DETERMINATION ACCURACY

ST 2224.5 SR 1597.0 SS 2262.3
 CRT .9948 CRS 1.0000 CST .9945
 LSA 3547.4 MSA 180.6 SSA 5.2
 EL1 2735.2 EL2 132.8 ALF 35.63

LAUNCH DATE APR 21 1967

FLIGHT TIME 156.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 398.579

RL 150.32 LAL -.00 LOL 210.21 VL 27.180 GAL 6.49 AZL 101.69 MCA 165.24 SMA 129.23 ECC .19772 INC 11.6898 V1 29.641
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.668 GAP -6.74 AZP 78.69 TAL 151.61 TAP 316.85 RCA 103.68 APO 154.78 V2 34.920
 RC 54.330 GL -53.05 GP 53.50 ZAL 67.69 ZAP 57.37 ETS 299.62 ZAE 114.39 ETE 64.48 ZAC 81.34 ETC 11.77 CLP -24.97

PLANETOCENTRIC CONIC

C3 46.883 VHL 6.847 DLA -40.46 RAL 137.68 RAD 6568.8 VEL 12.971 PTH 2.37 VHP 7.801 DPA 53.32 RAP 205.36 ECC 1.7716
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.80 9 14 31 1736.59 19.32 28.75 23.39 126.27 9 43 27 1136.6 23.91 22.11
 120.20 16 0 4 5760.13 19.33 270.28 23.40 126.26 17 36 4 5160.1 23.92 263.65
 59.80 9 14 31 1736.59 19.32 28.75 23.39 126.27 9 43 27 1136.6 23.91 22.11
 120.20 16 0 4 5760.13 19.33 270.28 23.40 126.26 17 36 4 5160.1 23.92 263.65
 59.80 9 14 31 1736.59 19.32 28.75 23.39 126.27 9 43 27 1136.6 23.91 22.11
 120.20 16 0 4 5760.13 19.33 270.28 23.40 126.26 17 36 4 5160.1 23.92 263.65

DIFFERENTIAL CORRECTIONS

TDE 2.7919 TRA-2.0580 TC3 .0267 BAW .1832
 RDE 2.2787 RRA -1.0786 RC3 .2910 FAU .01341
 FDE-3.9381 FRA 1.9237 FC3 -.2477 BSP 12615
 BDE 3.6037 BRA 2.3217 BC3 .2922 FSP -1040

MID-COURSE EXECUTION ACCURACY

SGT 3251.4 SGR 2280.7 SG3 339.6
 RRT .9644 RRF -.9959 RTF -.9776
 SGB 3971.6 R23 -.1147 R13 -.9914
 SG1 3940.2 SG2 497.9 TMA 34.71

ORBIT DETERMINATION ACCURACY

ST 2432.7 SR 1939.7 SS 2262.0
 CRT .9952 CRS 1.0000 CST .9957
 LSA 3842.5 MSA 178.8 SSA 4.3
 EL1 3107.8 EL2 148.9 ALF 38.54

LAUNCH DATE APR 21 1967 FLIGHT TIME 158.00 ARRIVAL DATE SEP 26 1967

DISTANCE 405.119

HELIOCENTRIC CONIC
 RL 150.32 LAL -.00 LOL 210.21 VL 27.222 GAL 6.36 AZL 104.34 MCA 168.37 SMA 129.52 ECC .19433 INC14.3394 V1 29.641
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.710 GAP -6.21 AZP 75.94 TAL 151.60 TAP 319.97 RCA 104.35 APO 154.69 V2 34.932
 RC 56.016 GL -57.52 GP 62.02 ZAL 71.34 ZAP 64.59 ETS 295.37 ZAE 106.18 ETE 60.99 ZAC 77.63 ETC 5.87 CLP -23.85

PLANETOCENTRIC CONIC
 C3 63.093 VML 7.943 DLA -43.61 RAL 132.97 RAD 6569.2 VEL 13.561 PTH 2.48 VMP 8.994 DPA 57.69 RAP 218.94 ECC 2.0384
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 55.33 8 36 51 1861.52 17.38 38.05 23.77 130.65 9 7 52 1261.5 22.48 264.40
 124.67 16 0 11 5781.68 17.40 270.54 23.79 130.64 17 36 33 5181.7 22.50 264.40
 55.33 8 36 51 1861.52 17.38 38.05 23.77 130.65 9 7 52 1261.5 22.48 264.40
 124.67 16 0 11 5781.68 17.40 270.54 23.79 130.64 17 36 33 5181.7 22.50 264.40
 55.33 8 36 51 1861.52 17.38 38.05 23.77 130.65 9 7 52 1261.5 22.48 264.40
 124.67 16 0 11 5781.68 17.40 270.54 23.79 130.64 17 36 33 5181.7 22.50 264.40

DIFFERENTIAL CORRECTIONS
 TDE 3.7431 TRA-2.1624 TC3 -.0248 BAU .1481
 RDE 3.0308 RRA-1.0458 RC3 .1738 FAU .00455
 FDE-3.8771 FRA 1.5033 FC3 -.0624 BSP 13425
 BOE 4.8163 BRA 2.4021 BC3 .1756 FSP -842

MID-COURSE EXECUTION ACCURACY
 SGT 3454.3 SGR 2437.4 SG3 274.2
 RRT .9663 RRF -.9955 RTF -.9826
 SGB 4227.7 R23 -.0941 R13 -.9943
 SGI 4196.0 SG2 516.3 TMA 34.89

ORBIT DETERMINATION ACCURACY
 ST 2776.3 SR 2208.4 SS 2201.0
 CRT .9957 CRS .9998 CST .9971
 LSA 4171.1 MSA 177.0 SSA 3.3
 ELI 3543.9 EL2 160.7 ALF 38.47

LAUNCH DATE APR 21 1967 FLIGHT TIME 160.00 ARRIVAL DATE SEP 28 1967

DISTANCE 411.592

HELIOCENTRIC CONIC
 RL 150.32 LAL -.00 LOL 210.21 VL 27.260 GAL 6.25 AZL 108.89 MCA 171.46 SMA 129.78 ECC .19139 INC18.8913 V1 29.641
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.749 GAP -5.70 AZP 71.30 TAL 151.56 TAP 323.02 RCA 104.94 APO 154.62 V2 34.945
 RC 57.772 GL -61.75 GP 71.22 ZAL 75.49 ZAP 72.00 ETS 282.97 ZAE 96.62 ETE 48.81 ZAC 73.21 ETC 350.64 CLP -16.30

PLANETOCENTRIC CONIC
 C3 99.197 VML 9.960 DLA -46.08 RAL 127.12 RAD 6569.9 VEL 14.851 PTH 2.68 VMP 11.411 DPA 59.92 RAP 238.03 ECC 2.6325
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.99 8 0 46 1998.36 13.29 46.70 23.95 134.54 8 34 4 1398.4 18.83 41.10
 128.01 15 49 33 5852.08 13.31 273.10 23.97 134.54 17 27 5 5252.1 18.84 267.50
 51.99 8 0 46 1998.36 13.29 46.70 23.95 134.54 8 34 4 1398.4 18.83 41.10
 128.01 15 49 33 5852.08 13.31 273.10 23.97 134.54 17 27 5 5252.1 18.84 267.50
 51.99 8 0 46 1998.36 13.29 46.70 23.95 134.54 8 34 4 1398.4 18.83 41.10
 128.01 15 49 33 5852.08 13.31 273.10 23.97 134.54 17 27 5 5252.1 18.84 267.50

DIFFERENTIAL CORRECTIONS
 TDE 5.9308 TRA-2.4691 TC3 -.1023 BAU .1482
 RDE 3.4584 RRA -.5898 RC3 .0450 FAU-.00573
 FDE-3.6598 FRA 1.0811 FC3 .0500 BSP 14161
 BOE 6.8655 BRA 2.5385 BC3 .1117 FSP -604

MID-COURSE EXECUTION ACCURACY
 SGT 3984.4 SGR 2050.7 SG3 197.9
 RRT .9511 RRF -.9832 RTF -.9905
 SGB 4481.1 R23 -.0699 R13 -.9970
 SGI 4445.0 SG2 567.8 TMA 26.55

ORBIT DETERMINATION ACCURACY
 ST 3466.7 SR 1994.9 SS 2092.6
 CRT .9945 CRS .9986 CST .9987
 LSA 4510.2 MSA 186.6 SSA 2.1
 ELI 3995.6 EL2 180.7 ALF 29.85

LAUNCH DATE APR-21 1967 FLIGHT TIME 162.00 ARRIVAL DATE SEP 30 1967

DISTANCE 417.913

HELIOCENTRIC CONIC
 RL 150.32 LAL -.00 LOL 210.21 VL 27.294 GAL 6.19 AZL 118.40 MCA 174.44 SMA 130.01 ECC .18902 INC28.4040 V1 29.641
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.785 GAP -5.24 AZP 61.71 TAL 151.43 TAP 325.87 RCA 105.44 APO 154.59 V2 34.957
 RC 59.590 GL -64.08 GP 78.31 ZAL 80.10 ZAP 79.04 ETS 233.03 ZAE 84.87 ETE 358.70 ZAC 66.97 ETC 296.16 CLP 20.17

PLANETOCENTRIC CONIC
 C3 205.977 VML 14.352 DLA -46.17 RAL 120.43 RAD 6571.2 VEL 18.091 PTH 3.01 VMP 16.940 DPA 57.10 RAP 260.93 ECC 4.3899
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.88 7 33 41 2133.94 6.81 52.81 23.84 135.77 8 9 15 1533.9 12.50 47.52
 128.12 15 23 18 697.50 6.82 301.10 23.85 135.77 15 34 55 97.5 12.51 295.81
 51.88 7 33 41 2133.94 6.81 52.81 23.84 135.77 8 9 15 1533.9 12.50 47.52
 128.12 15 23 18 697.50 6.82 301.10 23.85 135.77 15 34 55 97.5 12.51 295.81
 51.88 7 33 41 2133.94 6.81 52.81 23.84 135.77 8 9 15 1533.9 12.50 47.52
 128.12 15 23 18 697.50 6.82 301.10 23.85 135.77 15 34 55 97.5 12.51 295.81

DIFFERENTIAL CORRECTIONS
 TDE10.6041 TRA-2.1590 TC3 -.2058 BAU .6444
 RDE-1.9070 RRA 1.9439 RC3 .1114 FAU-.01902
 FDE-3.4795 FRA .7895 FC3 .0799 BSP 14649
 BOE10.7742 BRA 2.9052 BC3 .2340 FSP -388

MID-COURSE EXECUTION ACCURACY
 SGT 4451.9 SGR 1391.9 SG3 127.8
 RRT -.7756 RRF .7967 RTF -.9993
 SGB 4664.4 R23 .0125 R13 .9998
 SGI 4585.8 SG2 852.9 TMA 165.87

ORBIT DETERMINATION ACCURACY
 ST 4249.8 SR 832.3 SS 2042.9
 CRT -.9467 CRS -.9499 CST .9999
 LSA 4781.0 MSA 263.5 SSA 1.1
 ELI 4322.6 EL2 263.5 ALF 169.46

LAUNCH DATE APR 21 1967 FLIGHT TIME 164.00 ARRIVAL DATE OCT 2 1967

DISTANCE 423.663

HELIOCENTRIC CONIC
 RL 150.32 LAL -.00 LOL 210.21 VL 27.324 GAL 6.23 AZL 146.02 MCA 176.96 SMA 130.22 ECC .18792 INC56.0139 V1 29.641
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.818 GAP -4.92 AZP 34.02 TAL 150.97 TAP 327.93 RCA 105.75 APO 154.69 V2 34.970
 RC 61.464 GL -56.93 GP 66.80 ZAL 84.68 ZAP 84.77 ETS 185.27 ZAE 66.44 ETE 312.69 ZAC 54.17 ETC 239.18 CLP 76.62

PLANETOCENTRIC CONIC
 C3 722.384 VML 26.877 DLA -37.05 RAL 116.06 RAD 6572.7 VEL 29.046 PTH 3.43 VMP 33.039 DPA 42.46 RAP 282.14 ECC12.8886
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 65.04 8 13 40 2103.06 .44 44.54 25.46 127.05 8 48 43 1503.1 5.25 38.55
 114.96 14 8 27 984.48 .46 320.28 25.47 127.05 14 24 52 384.5 5.27 314.29
 65.04 8 13 40 2103.06 .44 44.54 25.46 127.05 8 48 43 1503.1 5.25 38.55
 114.96 14 8 27 984.48 .46 320.28 25.47 127.05 14 24 52 384.5 5.27 314.29
 65.04 8 13 40 2103.06 .44 44.54 25.46 127.05 8 48 43 1503.1 5.25 38.55
 114.96 14 8 27 984.48 .46 320.28 25.47 127.05 14 24 52 384.5 5.27 314.29

DIFFERENTIAL CORRECTIONS
 TDE 9.2330 TRA .3869 TC3 -.1366 BAU 3.1963
 RDE-15.9086 RRA 4.7582 RC3 .3015 FAU-.05850
 FDE-3.9635 FRA .9789 FC3 .0701 BSP 13050
 BOE18.3938 BRA 4.7739 BC3 .3310 FSP -240

MID-COURSE EXECUTION ACCURACY
 SGT 2103.3 SGR 3967.7 SG3 83.1
 RRT -.9267 RRF .9984 RTF -.9459
 SGB 4490.7 R23 -.0257 R13 .9996
 SGI 4434.6 SG2 707.1 TMA 116.90

ORBIT DETERMINATION ACCURACY
 ST 1968.6 SR 3413.0 SS 2422.5
 CRT -.9919 CRS -.9998 CST .9941
 LSA 4620.0 MSA 219.0 SSA 1.1
 ELI 3934.1 EL2 217.6 ALF 119.87

LAUNCH DATE APR 21 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

RL 150.32 LAL -.00 LOL 210.21 VL 27.350 GAL 5.59 AZL 32.07 MCA 182.82 SMA 130.41 ECC .18051 INC57.9308 V1 29.641
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.849 GAP -3.64 AZP 147.90 TAL 152.94 TAP 335.76 RCA 106.87 APO 153.95 V2 34.983
 RC 63.388 GL 56.37 GP -63.42 ZAL 85.47 ZAP 86.61 ETS 166.75 ZAE 76.06 ETE 45.81 ZAC 80.75 ETC 111.66 CLP 82.41

PLANETOCENTRIC CONIC

C3 767.449 VHL 27.703 DLA 69.48 RAL 169.01 RAD 6572.8 VEL 29.812 PTH 3.45 VMP 36.693 DPA -82.50 RAP 359.27 ECC13.6303
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 23.47 21 27 45 5066.31 -.48 246.47 78.84 20.52 22 52 12 4466.3 -7.97 244.07
 156.53 7 56 47 3316.40 -.47 97.06 78.82 20.52 8 52 4 2716.4 -7.96 94.65
 23.47 21 27 45 5066.31 -.48 246.47 78.84 20.52 22 52 12 4466.3 -7.97 244.07
 156.53 7 56 47 3316.40 -.47 97.06 78.82 20.52 8 52 4 2716.4 -7.96 94.65
 23.47 21 27 45 5066.31 -.48 246.47 78.84 20.52 22 52 12 4466.3 -7.97 244.07
 156.53 7 56 47 3316.40 -.47 97.06 78.82 20.52 8 52 4 2716.4 -7.96 94.65

DIFFERENTIAL CORRECTIONS

TDE-4.7324 TRA-3.1358 TC3 -.1766 BAU 3.4385
 RDE-2.5274 RRA-5.9992 RC3 -.2848 FAU-.05959
 FDE .8045 FRA 1.4128 FC3 .0672 BSP 13644
 BDE 5.3650 BRA 6.7693 BC3 .3351 FSP -248

MID-COURSE EXECUTION ACCURACY

SGT 2310.4 SGR 3910.4 SG3 80.2
 RRT .9523 RRF -.9989 RTF -.9652
 SGB 4541.9 R23 -.0329 R13 -.9994
 SG1 4500.4 SG2 612.5 THA 60.02

ORBIT DETERMINATION ACCURACY

ST 1125.6 SR 1184.5 SS 952.9
 CRT .8269 CRS .9916 CST .8926
 LSA 1825.5 MSA 495.2 SSA .7
 EL1 1561.8 EL2 480.1 ALF 46.77

LAUNCH DATE APR 21 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

RL 150.32 LAL -.00 LOL 210.21 VL 27.373 GAL 5.69 AZL 64.36 MCA 185.21 SMA 130.57 ECC .18027 INC25.6356 V1 29.641
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.878 GAP -3.38 AZP 115.54 TAL 152.33 TAP 337.53 RCA 107.03 APO 154.10 V2 34.996
 RC 65.357 GL 64.77 GP -81.75 ZAL 80.10 ZAP 83.63 ETS 107.49 ZAE 95.19 ETE 351.07 ZAC 96.13 ETC 56.95 CLP 39.33

PLANETOCENTRIC CONIC

C3 169.701 VHL 13.027 DLA 68.37 RAL 200.67 RAD 6570.8 VEL 17.059 PTH 2.93 VMP 17.988 DPA -72.84 RAP 109.00 ECC 3.7928
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 24.75 23 36 49 4899.88 -10.76 242.33 106.36 22.03 24 58 29 4299.9 -18.16 239.60
 155.25 10 0 18 3157.33 -10.76 94.28 106.34 22.03 10 52 55 2557.3 -18.15 91.55
 24.75 23 36 49 4899.88 -10.76 242.33 106.36 22.03 24 58 29 4299.9 -18.16 239.60
 155.25 10 0 18 3157.33 -10.76 94.28 106.34 22.03 10 52 55 2557.3 -18.15 91.55
 24.75 23 36 49 4899.88 -10.76 242.33 106.36 22.03 24 58 29 4299.9 -18.16 239.60
 155.25 10 0 18 3157.33 -10.76 94.28 106.34 22.03 10 52 55 2557.3 -18.15 91.55

DIFFERENTIAL CORRECTIONS

TDE 3.1910 TRA-4.0133 TC3 -.2164 BAU .5014
 RDE 1.4209 RRA -.1923 RC3 -.0450 FAU-.01018
 FDE -.9179 FRA 1.1155 FC3 .0519 BSP 15736
 BDE 3.4931 BRA 4.0179 BC3 .2210 FSP -.384

MID-COURSE EXECUTION ACCURACY

SGT 5022.7 SGR 676.0 SG3 120.8
 RRT .6015 RRF -.6071 RTF -.9998
 SGB 5068.0 R23 .0016 R13 -.9999
 SG1 5039.3 SG2 538.3 THA 4.68

ORBIT DETERMINATION ACCURACY

ST 2008.7 SR 628.7 SS 882.6
 CRT .7729 CRS .7836 CST .9999
 LSA 2249.1 MSA 388.1 SSA 1.1
 EL1 2068.8 EL2 387.4 ALF 14.10

LAUNCH DATE APR 21 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

RL 150.32 LAL -.00 LOL 210.21 VL 27.393 GAL 5.68 AZL 75.03 MCA 188.17 SMA 130.71 ECC .17921 INC14.9742 V1 29.641
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.904 GAP -2.96 AZP 104.83 TAL 152.13 TAP 340.30 RCA 107.28 APO 154.13 V2 35.009
 RC 67.365 GL 60.46 GP -79.84 ZAL 73.94 ZAP 81.45 ETS 52.29 ZAE 105.19 ETE 298.91 ZAC 102.22 ETC 7.71 CLP -32.49

PLANETOCENTRIC CONIC

C3 65.542 VHL 8.096 DLA 62.02 RAL 198.67 RAD 6569.2 VEL 13.671 PTH 2.50 VMP 11.560 DPA -63.36 RAP 121.14 ECC 2.0787
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 32.20 23 45 59 4675.47 -21.97 230.92 96.31 30.39 25 3 55 4075.5 -28.80 226.73
 147.80 9 35 10 2986.04 -21.96 91.25 96.29 30.39 10 24 56 2386.0 -28.79 87.06
 32.20 23 45 59 4675.47 -21.97 230.92 96.31 30.39 25 3 55 4075.5 -28.80 226.73
 147.80 9 35 10 2986.04 -21.96 91.25 96.29 30.39 10 24 56 2386.0 -28.79 87.06
 32.20 23 45 59 4675.47 -21.97 230.92 96.31 30.39 25 3 55 4075.5 -28.80 226.73
 147.80 9 35 10 2986.04 -21.96 91.25 96.29 30.39 10 24 56 2386.0 -28.79 87.06

DIFFERENTIAL CORRECTIONS

TDE 1.9220 TRA-1.8653 TC3 -.0281 BAU .1395
 RDE-1.0246 RRA 2.6600 RC3 -.1567 FAU .00674
 FDE -.9007 FRA 1.4443 FC3 -.0890 BSP 16158
 BDE 2.1781 BRA 3.2488 BC3 .1592 FSP -631

MID-COURSE EXECUTION ACCURACY

SGT 3125.8 SGR 4085.6 SG3 196.5
 RRT -.9605 RRF .9944 RTF -.9833
 SGB 5144.2 R23 -.0018 R13 .9996
 SG1 5096.7 SG2 697.2 THA 127.12

ORBIT DETERMINATION ACCURACY

ST 1600.9 SR 1405.4 SS 911.9
 CRT -.8901 CRS -.9735 CST .9707
 LSA 2263.5 MSA 496.0 SSA 1.9
 EL1 2072.0 EL2 494.9 ALF 139.17

LAUNCH DATE APR 21 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

RL 150.32 LAL -.00 LOL 210.21 VL 27.409 GAL 5.67 AZL 79.96 MCA 191.26 SMA 130.82 ECC .17819 INC10.0416 V1 29.641
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.929 GAP -2.51 AZP 99.85 TAL 152.01 TAP 343.28 RCA 107.51 APO 154.14 V2 35.023
 RC 69.409 GL 53.14 GP -73.74 ZAL 67.94 ZAP 80.51 ETS 34.78 ZAE 112.17 ETE 284.03 ZAC 105.91 ETC 356.14 CLP -53.95

PLANETOCENTRIC CONIC

C3 35.330 VHL 5.944 DLA 55.05 RAL 192.19 RAD 6568.4 VEL 12.518 PTH 2.27 VMP 8.630 DPA -56.54 RAP 126.50 ECC 1.5814
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 40.60 23 42 4 4479.48 -28.45 216.37 79.96 40.66 24 56 44 3879.5 -34.37 210.48
 139.40 8 47 25 2874.54 -28.43 87.33 79.94 40.65 9 35 20 2274.5 -34.36 81.45
 40.60 23 42 4 4479.48 -28.45 216.37 79.96 40.66 24 56 44 3879.5 -34.37 210.48
 139.40 8 47 25 2874.54 -28.43 87.33 79.94 40.65 9 35 20 2274.5 -34.36 81.45
 40.60 23 42 4 4479.48 -28.45 216.37 79.96 40.66 24 56 44 3879.5 -34.37 210.48
 139.40 8 47 25 2874.54 -28.43 87.33 79.94 40.65 9 35 20 2274.5 -34.36 81.45

DIFFERENTIAL CORRECTIONS

TDE .9782 TRA -.9601 TC3 .0025 BAU .2885
 RDE -.8314 RRA 2.7589 RC3 -.6107 FAU .02024
 FDE -.8015 FRA 1.9767 FC3 -.4980 BSP 16163
 BDE 1.2838 BRA 2.9212 BC3 .6107 FSP -965

MID-COURSE EXECUTION ACCURACY

SGT 1870.6 SGR 4766.6 SG3 299.4
 RRT -.9261 RRF .9982 RTF -.9416
 SGB 5120.5 R23 -.0028 R13 .9993
 SG1 5077.5 SG2 662.4 THA 110.33

ORBIT DETERMINATION ACCURACY

ST 1060.2 SR 1606.9 SS 941.1
 CRT -.8397 CRS -.9907 CST .9059
 LSA 2084.2 MSA 497.9 SSA 2.9
 EL1 1859.8 EL2 497.4 ALF 121.50

LAUNCH DATE APR 21 1967 FLIGHT TIME 174.00 ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC
 RL 150.32 LAL -.00 LOL 210.21 VL 27.423 GAL 5.65 AZL 82.77 MCA 194.41 SMA 130.92 ECC .17736 INC 7.2254 V1 29.641
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.951 GAP -2.05 AZP 97.00 TAL 151.90 TAP 346.31 RCA 107.70 APO 154.14 V2 35.036
 RC 71.485 GL 45.30 GP -68.35 ZAL 62.52 ZAP 80.79 ETS 24.96 ZAE 117.62 ETE 276.25 ZAC 108.81 ETC 351.99 CLP -64.31

PLANETOCENTRIC CONIC
 C3 23.321 VHL 4.829 DLA 47.92 RAL 186.41 RAD 6567.9 VEL 12.029 PTH 2.15 VHP 7.004 DPA -50.93 RAP 129.39 ECC 1.3838
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.57 23 46 51 4311.85 -30.15 200.71 64.80 50.79 8 43 44 2235.0 -34.98 193.56
 130.43 7 56 29 2835.04 -30.14 85.11 64.79 50.79 8 43 44 2235.0 -34.98 193.56
 49.57 23 46 51 4311.85 -30.15 200.71 64.80 50.79 8 43 44 2235.0 -34.98 193.56
 130.43 7 56 29 2835.04 -30.14 85.11 64.79 50.79 8 43 44 2235.0 -34.98 193.56
 49.57 23 46 51 4311.85 -30.15 200.71 64.80 50.79 8 43 44 2235.0 -34.98 193.56
 130.43 7 56 29 2835.04 -30.14 85.11 64.79 50.79 8 43 44 2235.0 -34.98 193.56

DIFFERENTIAL CORRECTIONS
 TOE .5930 TRA -.5105 TC3 -.0888 BAU .3521 SGT 1148.7 SGR 4921.9 SG3 420.4 ST 754.0 SR 1602.5 SS 1012.7
 ROE -.6204 RRA 2.6791 RC3-1.1259 FAU .03334 RRT -.8335 RRF .9987 RTF -.8471 CRT -.7479 CRS -.9933 CST .8198
 FDE -.7888 FRA 2.6112 FC3-1.2376 BSP 15934 SGB 5054.1 R23 .0021 R13 .9990 LSA 1985.3 MSA 469.8 SSA 3.9
 BDE .8583 BRA 2.7273 BC3 1.1294 FSP -1353 SGI 5015.6 SG2 622.8 TMA 101.18 EL1 1707.6 EL2 469.7 ALF 111.06

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 21 1967 FLIGHT TIME 176.00 ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC
 RL 150.32 LAL -.00 LOL 210.21 VL 27.434 GAL 5.65 AZL 84.60 MCA 197.58 SMA 131.00 ECC .17677 INC 5.4029 V1 29.641
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.971 GAP -1.59 AZP 95.15 TAL 151.79 TAP 349.37 RCA 107.84 APO 154.16 V2 35.049
 RC 73.590 GL 37.77 GP -63.67 ZAL 57.94 ZAP 82.15 ETS 17.47 ZAE 122.06 ETE 270.00 ZAC 111.45 ETC 349.82 CLP -72.06

PLANETOCENTRIC CONIC
 C3 17.612 VHL 4.197 DLA 41.07 RAL 181.86 RAD 6567.7 VEL 11.790 PTH 2.08 VHP 5.989 DPA -46.01 RAP 130.91 ECC 1.2898
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.91 0 8 52 4149.49 -28.79 184.84 52.79 59.34 1 18 2 3549.5 -32.63 177.09
 121.09 7 2 8 2863.50 -28.78 86.61 52.78 59.33 7 49 52 2263.5 -32.62 78.86
 58.91 0 8 52 4149.49 -28.79 184.84 52.79 59.34 1 18 2 3549.5 -32.63 177.09
 121.09 7 2 8 2863.50 -28.78 86.61 52.78 59.33 7 49 52 2263.5 -32.62 78.86
 58.91 0 8 52 4149.49 -28.79 184.84 52.79 59.34 1 18 2 3549.5 -32.63 177.09
 121.09 7 2 8 2863.50 -28.78 86.61 52.78 59.33 7 49 52 2263.5 -32.62 78.86

DIFFERENTIAL CORRECTIONS
 TOE .3927 TRA -.1759 TC3 -.2888 BAU .3825 SGT 669.1 SGR 4918.0 SG3 550.6 ST 544.7 SR 1581.2 SS 1116.5
 ROE -.5340 RRA 2.5813 RC3-1.5985 FAU .04627 RRT -.4725 RRF .9987 RTF -.4884 CRT -.6092 CRS -.9935 CST .6956
 FDE -.8840 FRA 3.2903 FC3-2.2745 BSP 15647 SGB 4963.3 R23 .0110 R13 .9988 LSA 1965.4 MSA 425.1 SSA 4.9
 BDE .6629 BRA 2.5873 BC3 1.6244 FSP -1775 SGI 4928.3 SG2 588.5 TMA 93.73 EL1 1618.2 EL2 422.1 ALF 102.73

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 21 1967 FLIGHT TIME 178.00 ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC
 RL 150.32 LAL -.00 LOL 210.21 VL 27.443 GAL 5.66 AZL 85.88 MCA 200.76 SMA 131.06 ECC .17641 INC 4.1227 V1 29.641
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.990 GAP -1.13 AZP 93.86 TAL 151.66 TAP 352.42 RCA 107.94 APO 154.18 V2 35.062
 RC 75.721 GL 30.92 GP -59.51 ZAL 54.23 ZAP 84.40 ETS 11.10 ZAE 125.72 ETE 263.97 ZAC 114.03 ETC 348.39 CLP -78.92

PLANETOCENTRIC CONIC
 C3 14.596 VHL 3.821 DLA 34.77 RAL 178.36 RAD 6567.6 VEL 11.661 PTH 2.05 VHP 5.311 DPA -41.53 RAP 131.55 ECC 1.2402
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 68.92 0 45 38 3958.96 -25.93 167.57 43.94 65.97 1 51 37 3359.0 -28.94 159.64
 111.08 5 57 26 2968.67 -25.91 93.54 43.93 65.96 6 46 54 2368.7 -28.93 85.61
 68.92 0 45 38 3958.96 -25.93 167.57 43.94 65.97 1 51 37 3359.0 -28.94 159.64
 111.08 5 57 26 2968.67 -25.91 93.54 43.93 65.96 6 46 54 2368.7 -28.93 85.61
 68.92 0 45 38 3958.96 -25.93 167.57 43.94 65.97 1 51 37 3359.0 -28.94 159.64
 111.08 5 57 26 2968.67 -25.91 93.54 43.93 65.96 6 46 54 2368.7 -28.93 85.61

DIFFERENTIAL CORRECTIONS
 TOE .2542 TRA .1217 TC3 -.5834 BAU .3987 SGT 627.2 SGR 4826.7 SG3 681.9 ST 387.2 SR 1562.6 SS 1242.4
 ROE -.5157 RRA 2.4776 RC3-1.9579 FAU .05851 RRT .4550 RRF .9986 RTF .4408 CRT -.3367 CRS -.9931 CST .4450
 FDE -1.0719 FRA 3.9754 FC3-3.4701 BSP 15289 SGB 4867.3 R23 .0221 R13 .9984 LSA 1998.6 MSA 375.2 SSA 6.0
 BDE .5749 BRA 2.4806 BC3 2.0430 FSP -2200 SGI 4835.3 SG2 557.6 TMA 86.57 EL1 1568.3 EL2 363.3 ALF 95.04

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 21 1967 FLIGHT TIME 180.00 ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC
 RL 150.32 LAL -.00 LOL 210.21 VL 27.449 GAL 5.68 AZL 86.83 MCA 203.95 SMA 131.11 ECC .17630 INC 3.1696 V1 29.641
 RP 108.04 LAP -1.29 LOP 54.14 VP 38.006 GAP -.68 AZP 92.90 TAL 151.51 TAP 355.46 RCA 107.99 APO 154.22 V2 35.075
 RC 77.874 GL 24.86 GP -55.70 ZAL 51.35 ZAP 87.40 ETS 5.50 ZAE 128.71 ETE 257.74 ZAC 116.63 ETC 347.37 CLP -85.39

PLANETOCENTRIC CONIC
 C3 12.911 VHL 3.593 DLA 29.13 RAL 175.65 RAD 6567.5 VEL 11.589 PTH 2.03 VHP 4.839 DPA -37.34 RAP 131.63 ECC 1.2125
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.85 2 11 43 3627.83 -22.52 141.03 37.61 71.01 3 12 10 3027.8 -24.91 133.12
 97.15 4 9 46 3246.12 -22.51 113.05 37.60 71.00 5 3 52 2646.1 -24.90 105.12
 100.00 5 28 35 2993.28 -26.66 95.70 38.96 75.96 6 18 29 2393.3 -28.33 87.29
 100.00 3 35 34 3355.90 -18.49 119.47 35.92 66.09 4 31 30 2755.9 -21.57 112.03
 110.00 7 59 20 2521.16 -33.79 61.30 40.38 84.47 8 41 21 1921.2 -34.18 52.08
 110.00 3 21 19 3400.79 -12.11 119.34 32.39 57.79 4 17 59 2800.8 -16.28 112.71

DIFFERENTIAL CORRECTIONS
 TOE .1346 TRA .4062 TC3 -.9381 BAU .4104 SGT 1024.9 SGR 4666.8 SG3 806.4 ST 309.8 SR 1544.0 SS 1383.2
 ROE -.5273 RRA 2.3629 RC3-2.1848 FAU .06975 RRT .8528 RRF .9984 RTF .8437 CRT .2264 CRS -.9926 CST -.1065
 FDE -1.3329 FRA 4.6252 FC3-4.6774 BSP 14976 SGB 4778.0 R23 .0348 R13 .9979 LSA 2069.9 MSA 329.7 SSA 7.1
 BDE .5442 BRA 2.3975 BC3 2.3777 FSP -2614 SGI 4748.9 SG2 526.8 TMA 79.27 EL1 1545.6 EL2 301.4 ALF 87.30

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 21 1967

FLIGHT TIME 182.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 483.454

RL 150.32 LAL -.00 LOL 210.21 VL 27.453 GAL 5.72 AZL 87.57 MCA 207.15 SMA 131.13 ECC .17644 INC 2.4288 V1 29.641
 RP 108.00 LAP -.111 LOP 57.35 VP 38.021 GAP -.23 AZP 92.16 TAL 151.33 TAP 358.48 RCA 108.00 APO 154.27 V2 35.088
 RC 80.046 GL 19.56 GP -52.13 ZAL 49.15 ZAP 90.98 ETS .56 ZAE 131.05 ETE 251.23 ZAC 119.25 ETC 346.67 CLP -91.60

PLANETOCENTRIC CONIC

C3 11.957 VML 3.458 DLA 24.17 RAL 173.55 RAD 6567.5 VEL 11.547 PTH 2.02 VMP 4.508 DPA -33.36 RAP 131.34 ECC 1.1968
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 16 26 2975.00 -28.11 94.61 34.75 86.41 6 6 1 2375.0 -28.31 85.95
 90.00 0 48 14 3866.28 -10.52 153.14 29.77 63.56 1 52 40 3266.3 -13.99 146.18
 100.00 6 58 0 2647.53 -29.87 70.60 34.83 88.70 7 42 7 2047.5 -29.73 61.80
 100.00 1 49 21 3668.98 -8.96 137.82 28.95 61.36 2 50 30 3069.0 -12.71 131.05
 110.00 8 45 59 2309.69 -33.96 44.82 34.71 94.20 9 24 28 1709.7 -33.00 35.72
 110.00 2 17 51 3579.58 -5.46 128.91 26.81 56.20 3 17 31 2979.6 -9.86 122.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .0155 TRA .6819 TC3-1.3235 BAU .4219 SGT 1540.2 SGR 4450.7 SG3 917.0 ST 373.4 SR 1519.0 SS 1531.0
 RDE -.5467 RRA 2.2362 RC3-2.2838 FAU .07959 RRT .9412 RRF .9982 RTF .9351 CRT .7594 CRS -.9922 CST -.6726
 FDE-1.6412 FRA 5.2053 FC3-5.7627 BSP 14736 SGB 4709.7 R23 .0478 R13 .9971 LSA 2169.3 MSA .9912 SSA 8.1
 BOE .5469 BRA 2.3378 BC3 2.6395 FSP -2995 SGI 4683.6 SG2 494.3 TMA 71.75 EL1 1545.9 EL2 238.7 ALF 79.16

LAUNCH DATE APR 21 1967

FLIGHT TIME 184.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 489.807

RL 150.32 LAL -.00 LOL 210.21 VL 27.455 GAL 5.77 AZL 88.17 MCA 210.36 SMA 131.15 ECC .17682 INC 1.8333 V1 29.641
 RP 107.96 LAP -.93 LOP 60.56 VP 38.034 GAP .22 AZP 91.58 TAL 151.12 TAP 1.48 RCA 107.96 APO 154.34 V2 35.101
 RC 82.236 GL 14.97 GP -48.72 ZAL 47.49 ZAP 94.99 ETS 356.22 ZAE 132.77 ETE 244.54 ZAC 121.85 ETC 346.32 CLP -97.57

PLANETOCENTRIC CONIC

C3 11.442 VML 3.383 DLA 19.82 RAL 171.90 RAD 6567.4 VEL 11.525 PTH 2.01 VMP 4.277 DPA -29.55 RAP 130.84 ECC 1.1883
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 7 17 2759.72 -28.02 78.89 30.88 94.27 6 53 17 2159.7 -27.13 70.34
 90.00 23 40 18 4063.15 -4.37 164.34 25.74 61.99 24 48 1 3463.2 -8.08 157.62
 100.00 7 41 13 2456.84 -29.32 56.47 30.74 96.11 8 22 10 1856.8 -28.16 47.86
 100.00 0 52 59 3841.26 -3.22 147.39 25.11 60.27 1 57 1 3241.3 -7.16 140.82
 110.00 9 16 30 2158.75 -32.60 33.26 30.17 100.90 9 52 28 1558.7 -30.75 24.53
 110.00 1 34 12 3712.12 -.41 135.85 23.35 55.82 2 36 4 3112.1 -4.89 120.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.1099 TRA .9494 TC3-1.7100 BAU .4347 SGT 2072.4 SGR 4190.9 SG3 1008.2 ST 546.7 SR 1480.9 SS 1676.3
 RDE -.5612 RRA 2.1004 RC3-2.2694 FAU .08743 RRT .9692 RRF .9978 RTF .9642 CRT .9393 CRS -.9918 CST -.8879
 FDE-1.9674 FRA 5.6916 FC3-6.6155 BSP 14590 SGB 4675.3 R23 .0597 R13 .9961 LSA 2287.8 MSA 260.5 SSA 9.0
 BOE .5719 BRA 2.3050 BC3 2.8415 FSP -3320 SGI 4652.6 SG2 459.8 TMA 64.12 EL1 1568.6 EL2 177.1 ALF 70.62

LAUNCH DATE APR 21 1967

FLIGHT TIME 186.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 496.143

RL 150.32 LAL -.00 LOL 210.21 VL 27.455 GAL 5.83 AZL 88.66 MCA 213.57 SMA 131.15 ECC .17745 INC 1.3414 V1 29.641
 RP 107.92 LAP -.74 LOP 63.78 VP 38.045 GAP .67 AZP 91.12 TAL 150.89 TAP 4.46 RCA 107.88 APO 154.42 V2 35.113
 RC 84.440 GL 11.01 GP -45.44 ZAL 46.23 ZAP 99.28 ETS 352.46 ZAE 133.89 ETE 237.82 ZAC 124.37 ETC 346.33 CLP -103.29

PLANETOCENTRIC CONIC

C3 11.212 VML 3.348 DLA 16.03 RAL 170.61 RAD 6567.4 VEL 11.515 PTH 2.01 VMP 4.124 DPA -25.90 RAP 130.24 ECC 1.1845
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 41 7 2608.16 -26.77 67.98 27.82 99.60 7 24 35 2008.2 -25.17 59.68
 90.00 22 56 13 4206.32 .24 172.33 23.29 61.68 24 6 19 3606.3 -3.54 165.70
 100.00 8 11 22 2317.07 -27.88 46.34 27.59 101.25 8 49 59 1717.1 -26.04 38.02
 100.00 0 12 34 3972.63 1.23 154.61 22.74 60.13 1 18 47 3372.6 -2.76 148.08
 110.00 9 39 24 2041.63 -30.76 24.63 26.79 105.70 10 13 26 1441.6 -28.30 16.30
 110.00 1 1 1 3820.84 3.74 141.52 21.17 56.00 2 4 42 3220.8 -.75 135.31

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.2427 TRA 1.2074 TC3-2.0725 BAU .4497 SGT 2592.2 SGR 3899.6 SG3 1075.8 ST 768.2 SR 1426.2 SS 1811.1
 RDE -.5660 RRA 1.9586 RC3-2.1692 FAU .09301 RRT .9807 RRF .9974 RTF .9763 CRT .9845 CRS -.9912 CST -.9530
 FDE-2.2871 FRA 6.0651 FC3-7.1815 BSP 14562 SGB 4682.5 R23 .0692 R13 .9950 LSA 2418.2 MSA 237.7 SSA 9.9
 BOE .6158 BRA 2.3008 BC3 3.0001 FSP -3572 SGI 4663.3 SG2 423.4 TMA 56.59 EL1 1615.6 EL2 118.8 ALF 61.90

LAUNCH DATE APR 21 1967

FLIGHT TIME 188.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 502.460

RL 150.32 LAL -.00 LOL 210.21 VL 27.453 GAL 5.91 AZL 89.07 MCA 216.78 SMA 131.13 ECC .17831 INC .9258 V1 29.641
 RP 107.89 LAP -.55 LOP 66.99 VP 38.055 GAP 1.12 AZP 90.74 TAL 150.62 TAP 7.41 RCA 107.75 APO 154.52 V2 35.125
 RC 86.655 GL 7.58 GP -42.29 ZAL 45.26 ZAP 103.72 ETS 349.23 ZAE 134.44 ETE 231.29 ZAC 126.74 ETC 346.74 CLP -108.70

PLANETOCENTRIC CONIC

C3 11.181 VML 3.344 DLA 12.71 RAL 169.62 RAD 6567.4 VEL 11.514 PTH 2.01 VMP 4.034 DPA -22.41 RAP 129.64 ECC 1.1840
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 6 55 2490.74 -25.17 59.76 25.57 103.42 7 48 26 1890.7 -23.08 51.72
 90.00 22 22 27 4322.60 3.99 178.83 21.80 61.94 23 34 30 3722.6 .20 172.19
 100.00 8 34 50 2207.24 -26.18 38.62 25.29 104.97 9 11 37 1607.2 -23.87 30.59
 100.00 23 37 14 4081.33 4.90 160.59 21.30 60.47 24 45 16 3481.3 .93 154.05
 110.00 9 57 52 1947.43 -28.83 17.98 24.37 109.21 10 30 19 1347.4 -25.94 9.99
 110.00 0 34 38 3913.91 7.27 146.43 19.84 56.51 1 39 51 3313.9 2.81 140.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.3816 TRA 1.4559 TC3-2.3903 BAU .4661 SGT 3086.0 SGR 3589.9 SG3 1118.0 ST 1009.2 SR 1352.3 SS 1925.8
 RDE -.5570 RRA 1.8187 RC3-2.0026 FAU .09579 RRT .9862 RRF .9967 RTF .9822 CRT .9968 CRS -.9903 CST -.9763
 FDE-2.5708 FRA 6.3247 FC3-7.4170 BSP 14624 SGB 4733.9 R23 .0748 R13 .9939 LSA 2550.9 MSA 221.3 SSA 10.7
 BOE .6752 BRA 2.3281 BC3 3.1183 FSP -3727 SGI 4718.0 SG2 388.3 TMA 49.38 EL1 1686.1 EL2 64.7 ALF 53.29

LAUNCH DATE APR 21 1967 FLIGHT TIME 190.00 ARRIVAL DATE OCT 28 1967

Heliocentric Conic
 RL 150.32 LAL -0.00 LOL 210.21 VL 27.450 GAL 6.01 AZL 89.43 MCA 220.00 SMA 131.11 ECC .17942 INC .5682 V1 29.641
 RP 107.85 LAP -0.37 LOP 70.21 VP 38.064 GAP 1.57 AZP 90.44 TAL 150.33 TAP 10.33 RCA 107.59 APO 154.63 V2 35.137
 RC 88.880 GL 4.62 GP -39.28 ZAL 44.48 ZAP 108.21 ETS 346.50 ZAE 134.49 ETE 225.13 ZAC 128.89 ETC 347.52 CLP-113.81

Planetocentric Conic
 C3 11.299 VHL 3.361 DLA 9.81 RAL 168.86 RAD 6567.4 VEL 11.519 PTH 2.01 VHP 3.994 DPA -19.12 RAP 129.10 ECC 1.1860
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 27 59 2396.02 -23.52 53.31 24.01 106.24 8 7 55 1796.0 -21.07 45.50
 90.00 21 55 21 4421.65 7.13 184.41 21.00 62.52 23 9 2 3821.6 3.39 177.72
 100.00 8 54 10 2118.07 -24.47 32.55 23.69 107.73 9 29 28 1518.1 -21.81 24.76
 100.00 23 11 51 4174.82 8.01 165.79 20.53 61.10 24 21 26 3574.8 4.09 159.19
 110.00 10 13 24 1870.12 -26.99 12.72 22.69 111.82 10 44 34 1270.1 -23.78 5.02
 110.00 0 13 2 3995.55 10.31 150.79 19.14 57.23 1 19 38 3395.5 5.91 144.46

Differential Corrections
 TOE -.5270 TRA 1.6916 TC3-2.6613 BAU .4867
 RDE -.5402 RRA 1.6744 RC3-1.8155 FAU .09680
 FDE-2.8221 FRA 6.4568 FC3-7.4167 BSP 14908
 BDE .7546 BRA 2.3801 BC3 3.2216 FSP -3821

Mid-Course Execution Accuracy
 SGT 3545.5 SGR 3275.1 SG3 1135.6
 RRT .9892 RRF .9958 RTF .9855
 SGB 4826.6 R23 .0756 R13 .9929
 SG1 4813.6 SG2 354.1 THA 42.71

Orbit Determination Accuracy
 ST 1257.1 SR 1266.5 SS 2023.6
 CRT .9998 CRS -.9891 CST -.9862
 LSA 2689.8 MSA 210.5 SSA 11.3
 EL1 1784.4 EL2 19.9 ALF 45.21

LAUNCH DATE APR 21 1967 FLIGHT TIME 192.00 ARRIVAL DATE OCT 30 1967

Heliocentric Conic
 RL 150.32 LAL -0.00 LOL 210.21 VL 27.444 GAL 6.12 AZL 89.74 MCA 223.22 SMA 131.07 ECC .18077 INC .2550 V1 29.641
 RP 107.82 LAP -0.17 LOP 73.43 VP 38.070 GAP 2.01 AZP 90.19 TAL 150.00 TAP 13.22 RCA 107.58 APO 154.77 V2 35.149
 RC 91.113 GL 2.05 GP -36.42 ZAL 43.84 ZAP 112.64 ETS 344.21 ZAE 134.12 ETE 219.90 ZAC 130.76 ETC 348.66 CLP-118.57

Planetocentric Conic
 C3 11.536 VHL 3.396 DLA 7.25 RAL 168.30 RAD 6567.4 VEL 11.529 PTH 2.01 VHP 3.997 DPA -16.04 RAP 128.67 ECC 1.1898
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 45 55 2317.88 -21.93 48.13 23.00 108.37 8 24 33 1717.9 -19.22 140.51
 90.00 21 32 58 4508.39 9.82 189.36 20.71 63.31 22 48 6 3908.4 6.16 182.59
 100.00 9 10 44 2044.31 -22.85 27.67 22.66 109.81 9 44 49 1444.3 -19.94 20.08
 100.00 22 50 50 4257.20 10.68 170.44 20.25 61.92 24 1 47 3657.2 6.85 163.75
 110.00 10 26 56 1805.89 -25.29 8.50 21.59 113.80 10 57 1 1205.9 -21.86 1.03
 110.00 23 51 8 4068.38 12.96 154.77 18.91 58.09 24 58 57 3468.4 8.65 148.32

Differential Corrections
 TOE -.6761 TRA 1.9166 TC3-2.8762 BAU .5086
 RDE -.5141 RRA 1.5384 RC3-1.6142 FAU .09566
 FDE-3.0217 FRA 6.4828 FC3-7.1792 BSP 15314
 BDE .8494 BRA 2.4576 BC3 3.2982 FSP -3838

Mid-Course Execution Accuracy
 SGT 3967.5 SGR 2966.2 SG3 1130.8
 RRT .9906 RRF .9945 RTF .9874
 SGB 4953.7 R23 .0712 R13 .9921
 SG1 4943.0 SG2 325.3 THA 36.71

Orbit Determination Accuracy
 ST 1503.5 SR 1170.1 SS 2099.2
 CRT .9996 CRS -.9872 CST -.9910
 LSA 2827.4 MSA 203.9 SSA 11.7
 EL1 1904.9 EL2 26.7 ALF 37.89

LAUNCH DATE APR 21 1967 FLIGHT TIME 194.00 ARRIVAL DATE NOV 1 1967

Heliocentric Conic
 RL 150.32 LAL -0.00 LOL 210.21 VL 27.438 GAL 6.24 AZL 90.02 MCA 226.44 SMA 131.02 ECC .18236 INC .0140 V1 29.641
 RP 107.78 LAP .02 LOP 76.66 VP 38.078 GAP 2.46 AZP 89.98 TAL 149.65 TAP 16.09 RCA 107.13 APO 154.92 V2 35.160
 RC 93.352 GL -0.18 GP -33.74 ZAL 43.28 ZAP 116.94 ETS 342.30 ZAE 133.43 ETE 214.49 ZAC 132.32 ETC 350.11 CLP-123.01

Planetocentric Conic
 C3 11.873 VHL 3.446 DLA 5.00 RAL 167.92 RAD 6567.5 VEL 11.544 PTH 2.01 VHP 4.037 DPA -13.20 RAP 128.40 ECC 1.1954
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 1 38 2252.57 -20.47 43.90 22.43 110.00 8 39 10 1652.6 -17.56 36.44
 90.00 21 14 10 4585.78 12.15 193.85 20.81 64.23 22 30 36 3985.8 8.59 186.99
 100.00 9 25 20 1982.61 -21.37 23.68 22.07 111.41 9 58 22 1382.6 -18.27 16.26
 100.00 22 33 9 4330.96 13.01 174.68 20.37 62.85 23 45 20 3731.0 9.27 167.88
 110.00 10 38 58 1752.15 -23.77 5.07 20.95 115.32 11 8 10 1152.2 -20.16 357.78
 110.00 23 36 0 4134.19 15.30 158.43 19.06 59.05 24 44 54 3534.2 11.08 151.86

Differential Corrections
 TOE -.8275 TRA 2.1320 TC3-3.0358 BAU .5317
 RDE -.4808 RRA 1.4116 RC3-1.4148 FAU .09280
 FDE-3.1666 FRA 6.4215 FC3-6.7665 BSP 15822
 BDE .9571 BRA 2.5570 BC3 3.3493 FSP -3788

Mid-Course Execution Accuracy
 SGT 4351.3 SGR 2672.3 SG3 1107.6
 RRT .9911 RRF .9927 RTF .9885
 SGB 5106.4 R23 .0617 R13 .9914
 SG1 5097.3 SG2 303.8 THA 31.45

Orbit Determination Accuracy
 ST 1742.7 SR 1067.6 SS 2152.6
 CRT .9979 CRS -.9846 CST -.9937
 LSA 2961.4 MSA 200.2 SSA 12.1
 EL1 2042.8 EL2 58.8 ALF 31.47

LAUNCH DATE APR 21 1967 FLIGHT TIME 196.00 ARRIVAL DATE NOV 3 1967

Heliocentric Conic
 RL 150.32 LAL -0.00 LOL 210.21 VL 27.430 GAL 6.38 AZL 90.27 MCA 229.67 SMA 130.97 ECC .18420 INC .2712 V1 29.641
 RP 107.75 LAP .21 LOP 79.88 VP 38.080 GAP 2.91 AZP 89.82 TAL 149.26 TAP 18.93 RCA 106.84 APO 155.09 V2 35.170
 RC 95.596 GL -2.11 GP -31.24 ZAL 42.76 ZAP 121.07 ETS 340.70 ZAE 132.51 ETE 210.12 ZAC 133.53 ETC 351.77 CLP-127.13

Planetocentric Conic
 C3 12.303 VHL 3.508 DLA 2.99 RAL 167.67 RAD 6567.5 VEL 11.562 PTH 2.02 VHP 4.109 DPA -10.59 RAP 128.29 ECC 1.2025
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 15 41 2197.55 -19.15 40.41 22.23 111.26 8 52 19 1597.5 -16.09 33.07
 90.00 20 58 11 4655.80 14.19 197.99 21.23 65.23 22 15 46 4055.8 10.73 191.01
 100.00 9 38 26 1930.67 -20.04 20.40 21.85 112.65 10 10 37 1330.7 -16.80 13.10
 100.00 22 18 7 4397.91 15.06 178.59 20.80 63.87 23 31 25 3797.9 11.42 171.69
 110.00 10 49 53 1707.04 -22.43 2.25 20.68 116.50 11 18 20 1107.0 -18.69 355.11
 110.00 23 23 10 4194.31 17.37 161.86 19.52 60.09 24 33 4 3594.3 13.26 155.16

Differential Corrections
 TOE -.9800 TRA 2.3396 TC3-3.1413 BAU .5546
 RDE -.4425 RRA 1.2958 RC3-1.2258 FAU .08854
 FDE-3.2582 FRA 6.2932 FC3-6.2303 BSP 16388
 BDE 1.0753 BRA 2.6745 BC3 3.3720 FSP -3683

Mid-Course Execution Accuracy
 SGT 4697.3 SGR 2398.9 SG3 1070.1
 RRT .9907 RRF .9904 RTF .9892
 SGB 5274.4 R23 .0487 R13 .9909
 SG1 5266.4 SG2 290.7 THA 26.93

Orbit Determination Accuracy
 ST 1971.1 SR 963.1 SS 2185.0
 CRT .9951 CRS -.9809 CST -.9953
 LSA 3089.9 MSA 198.5 SSA 12.4
 EL1 2192.1 EL2 86.1 ALF 25.97

LAUNCH DATE APR 21 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 533.727

RL 150.32 LAL -.00 LOL 210.21 VL 27.420 GAL 6.54 AZL 90.50 HCA 232.89 SMA 130.90 ECC .18629 INC .4988 V1 29.641
 RP 107.72 LAP .40 LOP 83.11 VP 38.082 GAP 3.37 AZP 89.70 TAL 148.84 TAP 21.74 RCA 106.51 APO 155.29 V2 35.180
 RC 97.843 GL -3.80 GP -28.94 ZAL 42.27 ZAP 124.98 ETS 339.36 ZAE 131.44 ETE 206.37 ZAC 134.40 ETC 353.58 CLP-130.93

PLANETOCENTRIC CONIC

C3 12.819 VHL 3.580 DLA 1.21 RAL 167.56 RAD 6567.5 VEL 11.585 PTH 2.03 VHP 4.208 DPA -8.24 RAP 128.37 ECC 1.2110
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 28 29 2151.03 -17.98 37.50 22.33 118.25 9 4 20 1551.0 -14.80 30.26
 90.00 20 44 29 4719.87 15.98 201.84 21.91 66.31 22 3 9 4119.9 12.64 194.75
 100.00 9 50 23 1886.83 -18.87 17.67 21.94 113.62 10 21 50 1286.8 -15.52 10.48
 100.00 22 5 16 4459.30 16.86 182.26 21.50 64.95 23 19 35 3859.3 13.35 175.23
 110.00 10 59 55 1669.17 -21.26 359.93 20.72 117.42 11 27 44 1069.2 -17.42 352.91
 110.00 23 12 13 4249.72 19.22 165.09 20.24 61.17 24 23 3 3649.7 15.23 158.25

DIFFERENTIAL CORRECTIONS

TOE-1.1310 TRA 2.5437 TC3-3.1935 BAU .5761
 RDE -.3998 RRA 1.1929 RC3-1.0503 FAU .08304
 FDE-3.2952 FRA 6.1239 FC3-5.6080 BSP 16938
 BDE 1.1996 BRA 2.8095 BC3 3.3618 FSP -3524

MID-COURSE EXECUTION ACCURACY

SGT 5008.2 SGR 2149.5 SG3 1022.4
 RRT .9894 RRF .9872 RTF .9895
 SGB 5450.0 R23 .0343 R13 .9905
 SG1 5442.5 SG2 286.7 TMA 23.08

ORBIT DETERMINATION ACCURACY

ST 2184.5 SR 859.0 SS 2195.6
 CRT .9907 CRS -.9756 CST -.9963
 LSA 3208.0 MSA 198.1 SSA 12.7
 EL1 2344.8 EL2 109.0 ALF 21.33

LAUNCH DATE APR 21 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 539.910

RL 150.32 LAL -.00 LOL 210.21 VL 27.410 GAL 6.72 AZL 90.71 HCA 236.12 SMA 130.83 ECC .18865 INC .7071 V1 29.641
 RP 107.69 LAP .59 LOP 86.34 VP 38.084 GAP 3.82 AZP 89.61 TAL 148.40 TAP 24.52 RCA 106.15 APO 155.51 V2 35.190
 RC 100.092 GL -5.26 GP -26.83 ZAL 41.78 ZAP 128.68 ETS 338.22 ZAE 130.30 ETE 203.19 ZAC 134.93 ETC 355.46 CLP-134.45

PLANETOCENTRIC CONIC

C3 13.421 VHL 3.663 DLA -.38 RAL 167.56 RAD 6567.5 VEL 11.611 PTH 2.03 VHP 4.331 DPA -6.13 RAP 128.63 ECC 1.2209
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 40 14 2111.70 -16.95 35.07 22.69 113.03 9 15 26 1511.7 -13.68 27.91
 90.00 20 32 42 4779.02 17.56 205.46 22.83 67.42 21 52 21 4179.0 14.35 198.25
 100.00 10 1 24 1849.88 -17.85 15.40 22.28 114.38 10 32 14 1249.9 -14.41 8.30
 100.00 21 54 13 4516.08 18.47 185.71 22.42 66.07 23 9 29 3916.1 15.08 178.56
 110.00 11 9 15 1637.51 -20.25 358.03 21.02 118.14 11 36 33 1037.5 -16.33 351.10
 110.00 23 2 32 4301.21 20.88 168.16 21.18 62.30 24 14 33 3701.2 17.01 161.18

DIFFERENTIAL CORRECTIONS

TOE-1.2842 TRA 2.7412 TC3-3.2097 BAU .5981
 RDE -.3576 RRA 1.0999 RC3 -.8992 FAU .07736
 FDE-3.3026 FRA 5.9159 FC3-4.9899 BSP 17562
 BDE 1.3330 BRA 2.9537 BC3 3.3333 FSP -3356

MID-COURSE EXECUTION ACCURACY

SGT 5286.3 SGR 1925.2 SG3 968.5
 RRT .9873 RRF .9831 RTF .9896
 SGB 5625.9 R23 .0196 R13 .9901
 SG1 5618.6 SG2 287.5 TMA 19.83

ORBIT DETERMINATION ACCURACY

ST 2386.0 SR 761.3 SS 2194.8
 CRT .9846 CRS -.9684 CST -.9970
 LSA 3324.1 MSA 198.6 SSA 12.8
 EL1 2501.3 EL2 126.9 ALF 17.49

LAUNCH DATE APR 21 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 546.066

RL 150.32 LAL -.00 LOL 210.21 VL 27.398 GAL 6.91 AZL 90.90 HCA 239.36 SMA 130.74 ECC .19126 INC .9006 V1 29.641
 RP 107.66 LAP .78 LOP 89.57 VP 38.084 GAP 4.29 AZP 89.54 TAL 147.93 TAP 27.28 RCA 105.74 APO 155.75 V2 35.199
 RC 102.344 GL -6.54 GP -24.91 ZAL 41.29 ZAP 132.14 ETS 337.22 ZAE 129.14 ETE 200.50 ZAC 135.15 ETC 357.33 CLP-137.71

PLANETOCENTRIC CONIC

C3 14.111 VHL 3.756 DLA -1.80 RAL 167.65 RAD 6567.6 VEL 11.640 PTH 2.04 VHP 4.476 DPA -4.26 RAP 129.06 ECC 1.2322
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 51 10 2078.57 -16.05 33.05 23.27 113.64 9 25 49 1478.6 -12.72 25.96
 90.00 20 22 32 4834.09 18.97 208.89 23.94 68.57 21 43 6 4234.1 15.89 201.56
 100.00 10 11 40 1818.88 -16.97 13.52 22.84 114.99 10 41 59 1218.9 -13.46 6.49
 100.00 21 44 43 4569.02 19.90 188.99 23.54 67.22 23 0 52 3969.0 16.64 181.72
 110.00 11 18 0 1611.26 -19.40 356.47 21.54 118.71 11 44 51 1011.3 -15.42 349.61
 110.00 22 54 53 4349.40 22.38 171.10 22.32 63.46 24 7 22 3749.4 18.63 163.97

DIFFERENTIAL CORRECTIONS

TOE-1.4375 TRA 2.9367 TC3-3.1902 BAU .6190
 RDE -.3152 RRA 1.0181 RC3 -.7680 FAU .07144
 FDE-3.2786 FRA 5.6915 FC3-4.3828 BSP 18193
 BDE 1.4716 BRA 3.1081 BC3 3.2814 FSP -3175

MID-COURSE EXECUTION ACCURACY

SGT 5534.9 SGR 1725.6 SG3 911.4
 RRT .9841 RRF .9777 RTF .9896
 SGB 5797.6 R23 .0063 R13 .9898
 SG1 5790.2 SG2 292.8 TMA 17.10

ORBIT DETERMINATION ACCURACY

ST 2572.9 SR 669.8 SS 2181.0
 CRT .9759 CRS -.9584 CST -.9975
 LSA 3432.9 MSA 199.5 SSA 13.0
 EL1 2654.9 EL2 141.5 ALF 14.30

LAUNCH DATE APR 21 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 552.194

RL 150.32 LAL -.00 LOL 210.21 VL 27.385 GAL 7.12 AZL 91.08 HCA 242.59 SMA 130.65 ECC .19415 INC 1.0818 V1 29.641
 RP 107.63 LAP .96 LOP 92.80 VP 38.082 GAP 4.75 AZP 89.50 TAL 147.43 TAP 30.02 RCA 105.29 APO 156.02 V2 35.208
 RC 104.596 GL -7.64 GP -23.18 ZAL 40.79 ZAP 135.38 ETS 336.33 ZAE 127.98 ETE 198.25 ZAC 135.06 ETC 359.14 CLP-140.74

PLANETOCENTRIC CONIC

C3 14.893 VHL 3.859 DLA -3.08 RAL 167.84 RAD 6567.6 VEL 11.674 PTH 2.05 VHP 4.641 DPA -2.62 RAP 129.66 ECC 1.2451
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 1 23 2050.87 -15.29 31.37 24.05 114.13 9 35 34 1450.9 -11.90 24.33
 90.00 20 13 46 4885.70 20.22 212.16 25.23 69.74 21 35 12 4285.7 17.28 204.72
 100.00 10 21 18 1793.11 -16.22 11.97 23.60 115.46 10 51 11 1193.1 -12.66 4.99
 100.00 21 36 33 4618.70 21.17 192.13 24.83 68.39 22 53 31 4018.7 18.05 184.73
 110.00 11 26 15 1589.78 -18.70 355.20 22.26 119.15 11 52 45 989.8 -14.67 348.40
 110.00 22 48 5 4394.80 23.73 173.93 23.63 64.64 24 1 20 3794.8 20.12 166.65

DIFFERENTIAL CORRECTIONS

TOE-1.5906 TRA 3.1327 TC3-3.1388 BAU .6384
 RDE -.2732 RRA .9466 RC3 -.6545 FAU .06541
 FDE-3.2291 FRA 5.4631 FC3-3.8023 BSP 18800
 BDE 1.6139 BRA 3.2726 BC3 3.2063 FSP -2985

MID-COURSE EXECUTION ACCURACY

SGT 5756.8 SGR 1549.4 SG3 853.5
 RRT .9796 RRF .9709 RTF .9894
 SGB 5961.6 R23 -.0049 R13 .9895
 SG1 5954.0 SG2 301.4 TMA 14.81

ORBIT DETERMINATION ACCURACY

ST 2745.0 SR 585.7 SS 2156.6
 CRT .9635 CRS -.9443 CST -.9979
 LSA 3533.9 MSA 200.7 SSA 13.1
 EL1 2802.6 EL2 153.6 ALF 11.65

LAUNCH DATE APR 21 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 558.293

RL 150.32 LAL -0.00 LOL 210.21 VL 27.371 GAL 7.36 AZL 91.25 MCA 245.83 SMA 130.56 ECC .19733 INC 1.2524 V1 29.641
 RP 107.61 LAP 1.14 LOP 96.04 VP 38.080 GAP 5.23 AZP 89.49 TAL 146.90 TAP 32.73 RCA 104.79 APO 156.32 V2 35.216
 RC 106.849 GL -8.59 GP -21.61 ZAL 40.27 ZAP 138.40 ETS 335.50 ZAE 126.87 ETE 196.35 ZAC 134.72 ETC .84 CLP-143.54

PLANETOCENTRIC CONIC

C3 15.772 VHL 3.971 DLA -4.22 RAL 168.09 RAD 6567.6 VEL 11.711 PTH 2.06 VHP 4.823 DPA -1.19 RAP 130.42 ECC 1.2596
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 11 0 2028.01 -14.65 30.00 24.99 114.51 9 44 48 1428.0 -11.22 23.00
 90.00 20 6 12 4934.38 21.33 215.29 26.67 70.92 21 28 27 4334.4 18.53 207.74
 100.00 10 30 22 1772.00 -15.60 10.72 24.53 115.83 10 59 54 1172.0 -12.00 3.77
 100.00 21 29 32 4665.63 22.32 195.15 26.29 69.58 22 47 17 4065.6 19.34 187.62
 110.00 11 34 4 1572.57 -18.12 354.20 23.14 119.49 12 0 17 972.6 -14.06 347.44
 110.00 22 42 19 4437.82 24.96 176.67 25.11 65.85 23 56 17 3837.8 21.48 169.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.7433 TRA 3.3311 TC3-3.0598 BAU .6558 SGT 5954.3 SGR 1394.5 SG3 796.2 ST 2901.9 SR 509.5 SS 2123.4
 RDE -.2320 RRA .8844 RC3 -.5571 FAU .05944 RRT .9734 RRF .9624 RTF .9892 CRT .9455 CRS -.9245 CST -.9982
 FDE-3.1610 FRA 5.2377 FC3-3.2627 BSP 19360 SGB 6115.5 R23 -.0140 R13 .9891 LSA 3626.1 MSA 202.0 SSA 13.1
 BDE 1.7587 BRA 3.4465 BC3 3.1101 FSP -2792 SGI 6107.5 SG2 311.4 THA 12.88 EL1 2941.7 EL2 163.7 ALF 9.45

LAUNCH DATE APR 21 1967

FLIGHT TIME 208.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 564.359

RL 150.32 LAL -0.00 LOL 210.21 VL 27.357 GAL 7.61 AZL 91.41 MCA 249.06 SMA 130.45 ECC .20081 INC 1.4148 V1 29.641
 RP 107.59 LAP 1.32 LOP 99.27 VP 38.076 GAP 5.71 AZP 89.49 TAL 146.36 TAP 35.42 RCA 104.26 APO 156.65 V2 35.223
 RC 109.101 GL -9.41 GP -20.19 ZAL 39.73 ZAP 141.22 ETS 334.71 ZAE 125.81 ETE 194.75 ZAC 134.15 ETC 2.40 CLP-146.16

PLANETOCENTRIC CONIC

C3 16.758 VHL 4.094 DLA -5.25 RAL 168.42 RAD 6567.7 VEL 11.753 PTH 2.07 VHP 5.021 DPA .04 RAP 131.33 ECC 1.2758
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 20 5 2009.51 -14.12 28.90 26.08 114.80 9 53 35 1409.5 -10.66 21.93
 90.00 19 59 43 4980.55 22.33 218.31 26.25 72.12 21 22 44 4380.6 19.68 210.64
 100.00 10 38 57 1755.10 -15.09 9.71 25.60 116.11 11 8 12 1155.1 -11.46 2.80
 100.00 21 23 32 4710.19 23.35 198.06 27.88 70.78 22 42 3 4110.2 20.51 190.41
 110.00 11 41 31 1559.22 -17.67 353.42 24.18 119.75 12 7 30 959.2 -13.58 346.70
 110.00 22 37 28 4478.83 26.07 179.34 26.73 67.07 23 52 7 3878.8 22.74 171.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.8939 TRA 3.5368 TC3-2.9527 BAU .6699 SGT 6130.4 SGR 1259.1 SG3 740.9 ST 3042.3 SR 441.3 SS 2081.8
 RDE -.1915 RRA .8309 RC3 -.4725 FAU .05344 RRT .9653 RRF .9519 RTF .9889 CRT .9190 CRS -.8958 CST -.9984
 FDE-3.0756 FRA 5.0254 FC3-2.7608 BSP 19819 SGB 6258.4 R23 -.0208 R13 .9888 LSA 3707.7 MSA 203.6 SSA 13.2
 BDE 1.9036 BRA 3.6331 BC3 2.9902 FSP -2593 SGI 6250.1 SG2 322.5 THA 11.24 EL1 3069.3 EL2 172.4 ALF 7.62

LAUNCH DATE APR 21 1967

FLIGHT TIME 210.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 570.391

RL 150.32 LAL -0.00 LOL 210.21 VL 27.341 GAL 7.88 AZL 91.57 MCA 252.30 SMA 130.34 ECC .20461 INC 1.5704 V1 29.641
 RP 107.57 LAP 1.50 LOP 102.51 VP 38.071 GAP 6.20 AZP 89.52 TAL 145.79 TAP 38.09 RCA 103.67 APO 157.01 V2 35.230
 RC 111.351 GL -10.12 GP -18.91 ZAL 39.18 ZAP 143.85 ETS 333.92 ZAE 124.82 ETE 193.41 ZAC 133.37 ETC 3.82 CLP-148.60

PLANETOCENTRIC CONIC

C3 17.861 VHL 4.226 DLA -6.18 RAL 168.80 RAD 6567.7 VEL 11.800 PTH 2.09 VHP 5.236 DPA 1.10 RAP 132.37 ECC 1.2939
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 28 41 1994.98 -13.71 28.03 27.31 115.02 10 1 56 1395.0 -10.22 21.09
 90.00 19 54 11 5024.55 23.22 221.23 29.97 73.32 21 17 56 4424.6 20.71 213.45
 100.00 10 47 6 1742.04 -14.70 8.94 26.82 116.32 11 16 8 1142.0 -11.05 2.06
 100.00 21 18 28 4752.72 24.27 200.88 29.61 72.00 22 37 40 4152.7 21.58 193.11
 110.00 11 48 37 1549.41 -17.34 352.86 25.35 119.93 12 14 27 949.4 -13.23 346.16
 110.00 22 33 25 4518.12 27.09 181.94 28.48 68.31 23 48 44 3918.1 23.90 174.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.0489 TRA 3.7440 TC3-2.8369 BAU .6842 SGT 6287.4 SGR 1140.4 SG3 688.3 ST 3172.9 SR 382.2 SS 2039.5
 RDE -.1535 RRA .7834 RC3 -.4029 FAU .04806 RRT .9552 RRF .9391 RTF .9887 CRT .8819 CRS -.8564 CST -.9986
 FDE-2.9903 FRA 4.8175 FC3-2.3296 BSP 20336 SGB 6390.0 R23 -.0266 R13 .9885 LSA 3785.6 MSA 204.8 SSA 13.3
 BDE 2.0547 BRA 3.8251 BC3 2.8653 FSP -2417 SGI 6381.3 SG2 332.7 THA 9.86 EL1 3190.8 EL2 179.2 ALF 6.08

LAUNCH DATE APR 21 1967

FLIGHT TIME 212.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 576.385

RL 150.32 LAL -0.00 LOL 210.21 VL 27.325 GAL 8.18 AZL 91.72 MCA 255.54 SMA 130.23 ECC .20874 INC 1.7204 V1 29.641
 RP 107.55 LAP 1.67 LOP 105.75 VP 38.065 GAP 6.71 AZP 89.57 TAL 145.20 TAP 40.74 RCA 103.05 APO 157.42 V2 35.236
 RC 113.598 GL -10.71 GP -17.77 ZAL 38.60 ZAP 146.31 ETS 333.10 ZAE 123.88 ETE 192.27 ZAC 132.42 ETC 5.09 CLP-150.90

PLANETOCENTRIC CONIC

C3 19.093 VHL 4.369 DLA -7.02 RAL 169.24 RAD 6567.8 VEL 11.852 PTH 2.10 VHP 5.467 DPA 1.98 RAP 133.53 ECC 1.3142
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 36 50 1984.11 -13.39 27.39 28.67 115.18 10 9 55 1384.1 -9.89 20.46
 90.00 19 49 30 5066.68 24.01 224.06 31.80 74.53 21 13 56 4466.7 21.66 216.18
 100.00 10 54 50 1732.52 -14.41 8.38 28.16 116.47 11 23 42 1132.5 -10.74 1.52
 100.00 21 14 12 4793.50 25.10 203.62 31.46 73.21 22 34 5 4193.5 22.56 195.75
 110.00 11 55 24 1542.86 -17.12 352.48 26.65 120.05 12 21 7 942.9 -13.00 345.79
 110.00 22 30 7 4555.92 28.01 184.49 30.36 69.56 23 46 3 3955.9 24.97 176.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.2052 TRA 3.9586 TC3-2.7069 BAU .6965 SGT 6427.3 SGR 1036.6 SG3 638.9 ST 3290.6 SR 331.7 SS 1994.0
 RDE -.1167 RRA .7420 RC3 -.3437 FAU .04298 RRT .9426 RRF .9239 RTF .9884 CRT .8290 CRS -.8010 CST -.9988
 FDE-2.9003 FRA 4.6235 FC3-1.9487 BSP 20804 SGB 6510.3 R23 -.0310 R13 .9881 LSA 3856.4 MSA 205.9 SSA 13.3
 BDE 2.2083 BRA 4.0275 BC3 2.7287 FSP -2248 SGI 6501.3 SG2 342.3 THA 8.67 EL1 3302.1 EL2 184.9 ALF 4.79

LAUNCH DATE APR 21 1967

FLIGHT TIME 214.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 582.338

RL 150.32 LAL -.00 LOL 210.21 VL 27.308 GAL 8.50 AZL 91.87 MCA 258.78 SMA 130.11 ECC .21324 INC 1.8662 VI 29.641
 RP 107.53 LAP 1.83 LOP 108.99 VP 38.058 GAP 7.23 AZP 89.64 TAL 144.59 TAP 43.38 RCA 102.37 APO 157.86 V2 35.241
 RC 115.842 GL -11.21 GP -16.73 ZAL 38.02 ZAP 148.62 ETS 332.24 ZAE 123.01 ETE 191.30 ZAC 131.31 ETC 6.21 CLP-153.06

PLANETOCENTRIC CONIC

C3 20.468 VHL 4.524 DLA -7.77 RAL 169.72 RAD 6567.8 VEL 11.910 PTH 2.12 VMP 5.712 OPA 2.72 RAP 134.80 ECC 1.3368
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 44 35 1976.64 -13.18 26.95 30.14 115.29 10 17 31 1376.6 -9.66 20.03
 90.00 19 45 35 5107.19 24.72 226.82 33.74 75.73 21 10 42 4507.2 22.52 218.84
 100.00 11 2 11 1726.30 -14.22 8.02 29.61 116.57 11 30 57 1126.3 -10.54 1.16
 100.00 21 10 40 4832.76 25.85 206.30 33.41 74.44 22 31 12 4232.8 23.46 198.32
 110.00 12 1 53 1539.36 -17.00 352.28 28.06 120.11 12 27 32 939.4 -12.87 345.60
 110.00 22 27 27 4592.46 28.86 187.00 32.35 70.83 23 43 59 3992.5 25.97 179.01

DIFFERENTIAL CORRECTIONS

TDE-2.3632 TRA 4.1822 TC3-2.5663 BAU .7068
 RDE -.0813 RRA .7056 RC3 -.2932 FAU .03821
 FDE-2.8087 FRA 4.4443 FC3-1.6163 BSP 21236
 BDE 2.3646 BRA 4.2413 BC3 2.5830 FSP -2090

MID-COURSE EXECUTION ACCURACY

SGT 6551.7 SGR 945.7 SG3 592.7
 RRT .9272 RRF .9059 RTF .9880
 SGB 6619.6 R23 -.0344 R13 .9878
 SGI 6610.3 SG2 351.0 TMA 7.65

ORBIT DETERMINATION ACCURACY

ST 3396.2 SR 289.6 SS 1976.7
 CRT .7549 CRS -.7245 CST -.9989
 LSA 3919.8 MSA 206.8 SSA 13.2
 EL1 3403.2 EL2 189.5 ALF 3.69

LAUNCH DATE APR 21 1967

FLIGHT TIME 216.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 588.247

RL 150.32 LAL -.00 LOL 210.21 VL 27.291 GAL 8.85 AZL 92.01 MCA 262.03 SMA 129.99 ECC .21811 INC 2.0089 VI 29.641
 RP 107.52 LAP 1.99 LOP 112.24 VP 38.050 GAP 7.76 AZP 89.72 TAL 143.97 TAP 46.00 RCA 101.64 APO 158.34 V2 35.246
 RC 118.080 GL -11.63 GP -15.80 ZAL 37.41 ZAP 150.78 ETS 331.31 ZAE 122.20 ETE 190.47 ZAC 130.08 ETC 7.19 CLP-155.10

PLANETOCENTRIC CONIC

C3 22.005 VHL 4.691 DLA -8.45 RAL 170.23 RAD 6567.9 VEL 11.974 PTH 2.13 VMP 5.974 OPA 3.31 RAP 136.16 ECC 1.3621
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 51 56 1972.38 -13.05 26.70 31.71 115.35 10 24 48 1372.4 -9.53 19.79
 90.00 19 42 21 5146.28 25.35 229.51 35.79 76.94 21 8 7 4546.3 23.30 221.44
 100.00 11 9 10 1723.17 -14.13 7.83 31.17 116.62 11 37 54 1123.2 -10.44 .98
 100.00 21 7 47 4870.72 26.51 208.93 35.47 75.66 22 28 58 4270.7 24.28 200.84
 110.00 12 8 5 1538.72 -16.98 352.24 29.57 120.12 12 33 44 938.7 -12.85 345.57
 110.00 22 25 22 4627.93 29.62 189.47 34.46 72.11 23 42 30 4027.9 26.89 181.35

DIFFERENTIAL CORRECTIONS

TDE-2.5239 TRA 4.4158 TC3-2.4174 BAU .7150
 RDE -.0469 RRA .6734 RC3 -.2500 FAU .03376
 FDE-2.7175 FRA 4.2794 FC3-1.3284 BSP 21633
 BDE 2.5243 BRA 4.4668 BC3 2.4303 FSP -1941

MID-COURSE EXECUTION ACCURACY

SGT 6661.7 SGR 865.9 SG3 549.8
 RRT .9089 RRF .8850 RTF .9877
 SGB 6717.8 R23 -.0367 R13 .9875
 SGI 6708.2 SG2 358.6 TMA 6.76

ORBIT DETERMINATION ACCURACY

ST 3490.5 SR 256.0 SS 1898.6
 CRT .6548 CRS -.6221 CST -.9991
 LSA 3976.2 MSA 207.5 SSA 13.2
 EL1 3494.5 EL2 193.3 ALF 2.76

LAUNCH DATE APR 21 1967

FLIGHT TIME 218.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 594.107

RL 150.32 LAL -.00 LOL 210.21 VL 27.272 GAL 9.23 AZL 92.15 MCA 265.27 SMA 129.86 ECC .22340 INC 2.1493 VI 29.641
 RP 107.50 LAP 2.14 LOP 115.48 VP 38.041 GAP 8.31 AZP 89.82 TAL 143.34 TAP 48.61 RCA 100.85 APO 158.88 V2 35.250
 RC 120.312 GL -11.96 GP -14.96 ZAL 36.79 ZAP 152.81 ETS 330.28 ZAE 121.45 ETE 189.76 ZAC 128.73 ETC 8.04 CLP-157.03

PLANETOCENTRIC CONIC

C3 23.724 VHL 4.871 DLA -9.05 RAL 170.78 RAD 6568.0 VEL 12.046 PTH 2.15 VMP 6.251 OPA 3.78 RAP 137.61 ECC 1.3904
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 58 54 1971.12 -13.01 26.62 33.38 115.37 10 31 45 1371.1 -9.49 19.72
 90.00 19 39 45 5184.13 25.91 232.14 37.93 78.15 21 6 9 4584.1 24.01 223.98
 100.00 11 15 49 1722.96 -14.12 7.82 32.82 116.62 11 44 32 1123.0 -10.44 .97
 100.00 21 5 30 4907.53 27.11 211.50 37.63 76.90 22 27 18 4307.5 25.03 203.31
 110.00 12 14 0 1540.78 -17.05 352.36 31.18 120.09 12 39 41 940.8 -12.92 345.68
 110.00 22 23 49 4662.47 30.32 191.92 36.66 73.40 23 41 31 4062.5 27.75 183.67

DIFFERENTIAL CORRECTIONS

TDE-2.6839 TRA 4.6649 TC3-2.2565 BAU .7188
 RDE -.0130 RRA .6450 RC3 -.2121 FAU .02943
 FDE-2.6240 FRA 4.1324 FC3-1.0739 BSP 21901
 BDE 2.6839 BRA 4.7093 BC3 2.2664 FSP -1794

MID-COURSE EXECUTION ACCURACY

SGT 6758.5 SGR 795.7 SG3 510.1
 RRT .8873 RRF .8611 RTF .9874
 SGB 6805.1 R23 -.0381 R13 .9872
 SGI 6795.4 SG2 365.0 TMA 5.98

ORBIT DETERMINATION ACCURACY

ST 3570.9 SR 231.1 SS 1848.2
 CRT .5247 CRS -.4904 CST -.9992
 LSA 4022.0 MSA 208.2 SSA 13.2
 EL1 3572.9 EL2 196.6 ALF 1.95

LAUNCH DATE APR 21 1967

FLIGHT TIME 220.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 599.912

RL 150.32 LAL -.00 LOL 210.21 VL 27.254 GAL 9.64 AZL 92.29 MCA 268.51 SMA 129.74 ECC .22914 INC 2.2884 VI 29.641
 RP 107.49 LAP 2.29 LOP 118.73 VP 38.030 GAP 8.88 AZP 89.94 TAL 142.70 TAP 51.21 RCA 100.01 APO 159.46 V2 35.253
 RC 122.538 GL -12.23 GP -14.20 ZAL 36.17 ZAP 154.73 ETS 329.13 ZAE 120.75 ETE 189.14 ZAC 127.30 ETC 8.77 CLP-158.88

PLANETOCENTRIC CONIC

C3 25.649 VHL 5.064 DLA -9.59 RAL 171.35 RAD 6568.0 VEL 12.125 PTH 2.17 VMP 6.546 OPA 4.13 RAP 139.13 ECC 1.4221
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 5 30 1972.73 -13.06 26.72 35.13 115.35 10 38 23 1372.7 -9.54 19.81
 90.00 19 37 43 5220.89 26.39 234.72 40.15 79.35 21 4 44 4620.9 24.66 226.48
 100.00 11 22 8 1725.52 -14.20 7.97 34.56 116.58 11 50 53 1125.5 -10.52 1.12
 100.00 21 3 46 4943.34 27.64 214.03 39.88 78.13 22 26 10 4343.3 25.72 205.75
 110.00 12 19 39 1545.40 -17.20 352.62 32.88 120.00 12 45 24 945.4 -13.09 345.93
 110.00 22 22 44 4696.22 30.95 194.35 38.96 74.71 23 41 1 4096.2 28.55 185.98

DIFFERENTIAL CORRECTIONS

TDE-2.8521 TRA 4.9231 TC3-2.0996 BAU .7226
 RDE -.0195 RRA .6187 RC3 -.1805 FAU .02562
 FDE-2.5387 FRA 3.9952 FC3 -.8649 BSP 22241
 BDE 2.8521 BRA 4.9618 BC3 2.1073 FSP -1668

MID-COURSE EXECUTION ACCURACY

SGT 6844.0 SGR 733.4 SG3 473.5
 RRT .8622 RRF .8338 RTF .9872
 SGB 6883.2 R23 -.0391 R13 .9870
 SGI 6873.2 SG2 369.9 TMA 5.29

ORBIT DETERMINATION ACCURACY

ST 3645.1 SR 214.2 SS 1801.0
 CRT .3717 CRS -.3369 CST -.9993
 LSA 4066.0 MSA 208.3 SSA 13.1
 EL1 3646.0 EL2 198.8 ALF 1.25

LAUNCH DATE APR 22 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 1 1967

HELIOCENTRIC CONIC

DISTANCE 123.954

RL 150.36 LAL -.00 LOL 211.19 VL 14.111 GAL 34.09 AZL 88.18 MCA 29.81 SMA 84.74 ECC .85174 INC 1.8155 V1 29.633
 RP 108.46 LAP .90 LOP 240.99 VP 29.685 GAP -56.92 AZP 88.42 TAL 172.94 TAP 202.75 RCA 12.56 APO 156.92 V2 34.941
 RC 93.418 GL 1.09 GP 2.50 ZAL 67.50 ZAP 36.90 ETS 186.50 ZAE 134.11 ETE 177.84 ZAC 159.25 ETC 57.21 CLP 36.83

PLANETOCENTRIC CONIC

C3 377.630 VHL 19.433 DLA 14.65 RAL 146.39 RAD 6572.0 VEL 22.337 PTH 3.25 VHP 31.386 DPA 26.95 RAP 98.54 ECC 7.2148
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 13 17 3287.54 -24.77 116.81 58.45 75.82 6 8 5 2687.5 -26.48 108.56
 90.00 21 2 56 4984.72 22.42 218.59 45.38 72.23 22 26 1 4384.7 19.78 210.91
 100.00 6 42 30 2999.81 -26.55 96.15 58.96 75.74 7 32 30 2399.8 -28.25 87.76
 100.00 22 16 24 4747.68 24.17 200.54 44.76 71.85 23 35 32 4147.7 21.46 192.79
 110.00 8 8 21 2731.20 -31.27 77.14 60.34 75.43 8 53 52 2131.2 -32.95 68.32
 110.00 23 7 3 4589.05 28.78 186.76 43.02 70.71 24 23 32 3989.0 25.88 178.79

DIFFERENTIAL CORRECTIONS

TDE .7997 TRA-2.1790 TC3 -.1026 BAU .5183
 RDE-1.4219 RRA -.6448 RC3 .0022 FAU .01129
 FDE -.2920 FRA .7229 FC3 -.0259 BSP 1914
 BDE 1.6314 BRA 2.2724 BC3 .1027 FSP -45

MID-COURSE EXECUTION ACCURACY

SGT 809.8 SGR 463.1 SG3 22.2
 RRT .0754 RRF -.0677 RTF -.6076
 SGB 932.8 R23 .0001 R13 -.6080
 SG1 810.9 SG2 461.1 TMA 3.65

ORBIT DETERMINATION ACCURACY

ST 308.9 SR 423.4 SS 294.4
 CRT -.6661 CRS -.7004 CST .9967
 LSA 551.2 MSA 239.4 SSA 14.1
 EL1 483.7 EL2 201.7 ALF 122.16

LAUNCH DATE APR 22 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 3 1967

HELIOCENTRIC CONIC

DISTANCE 129.127

RL 150.36 LAL -.00 LOL 211.19 VL 14.952 GAL 32.38 AZL 88.68 MCA 32.99 SMA 86.08 ECC .82733 INC 1.3209 V1 29.633
 RP 108.50 LAP .72 LOP 244.17 VP 30.080 GAP -54.42 AZP 88.89 TAL 172.04 TAP 205.03 RCA 14.86 APO 157.30 V2 34.929
 RC 91.019 GL .90 GP 2.56 ZAL 66.10 ZAP 35.39 ETS 186.73 ZAE 134.04 ETE 177.44 ZAC 158.19 ETC 53.81 CLP 35.31

PLANETOCENTRIC CONIC

C3 346.086 VHL 18.603 DLA 14.00 RAL 147.68 RAD 6571.9 VEL 21.619 PTH 3.22 VHP 30.277 DPA 26.99 RAP 100.40 ECC 6.6957
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 24 15 3255.55 -25.28 114.61 58.87 76.81 6 18 31 2655.6 -26.85 106.29
 90.00 21 2 16 4998.42 22.70 219.49 46.17 72.60 22 25 34 4398.4 20.10 211.78
 100.00 6 53 1 2969.30 -27.05 94.02 59.33 76.76 7 42 30 2369.3 -28.60 85.56
 100.00 22 16 11 4759.90 24.42 201.36 45.58 72.21 23 35 31 4159.9 21.76 193.57
 110.00 8 17 53 2703.74 -31.72 75.12 60.60 76.55 9 2 57 2103.7 -33.25 66.23
 110.00 23 7 48 4598.24 28.99 187.40 43.88 71.03 24 24 86 3998.2 26.12 179.39

DIFFERENTIAL CORRECTIONS

TDE .8128 TRA-2.1982 TC3 -.1098 BAU .5081
 RDE-1.3739 RRA -.6416 RC3 .0029 FAU .01131
 FDE -.3088 FRA .7492 FC3 -.0283 BSP 2028
 BDE 1.5963 BRA 2.2899 BC3 .1098 FSP -49

MID-COURSE EXECUTION ACCURACY

SGT 848.4 SGR 469.7 SG3 23.9
 RRT .0798 RRF -.0720 RTF -.6260
 SGB 968.0 R23 -.0001 R13 -.6264
 SG1 847.6 SG2 467.6 TMA 3.65

ORBIT DETERMINATION ACCURACY

ST 326.6 SR 427.5 SS 311.0
 CRT -.6672 CRS -.7055 CST .9966
 LSA 570.5 MSA 245.9 SSA 14.4
 EL1 495.3 EL2 210.0 ALF 123.88

LAUNCH DATE APR 22 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 5 1967

HELIOCENTRIC CONIC

DISTANCE 134.433

RL 150.36 LAL -.00 LOL 211.19 VL 15.746 GAL 30.83 AZL 89.10 MCA 36.16 SMA 87.47 ECC .80247 INC .9043 V1 29.633
 RP 108.53 LAP .53 LOP 247.35 VP 30.468 GAP -52.06 AZP 89.27 TAL 171.14 TAP 207.30 RCA 17.28 APO 157.65 V2 34.917
 RC 88.632 GL .69 GP 2.62 ZAL 64.75 ZAP 33.89 ETS 186.99 ZAE 134.02 ETE 177.01 ZAC 157.04 ETC 50.69 CLP 33.80

PLANETOCENTRIC CONIC

C3 317.338 VHL 17.814 DLA 13.35 RAL 148.91 RAD 6571.8 VEL 20.944 PTH 3.19 VHP 29.206 DPA 27.01 RAP 102.29 ECC 6.2226
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 34 55 3223.19 -25.77 112.36 59.16 77.84 6 28 38 2623.2 -27.19 103.98
 90.00 21 1 26 5011.44 22.96 220.36 46.88 72.96 22 24 57 4411.4 20.41 212.61
 100.00 7 3 14 2938.36 -27.51 91.83 59.58 77.82 7 52 12 2338.4 -28.91 83.31
 100.00 22 15 48 4771.50 24.66 202.14 46.31 72.55 23 35 19 4171.5 22.04 194.32
 110.00 8 27 9 2675.75 -32.15 73.05 60.74 77.70 9 11 45 2075.8 -33.51 64.08
 110.00 23 8 21 4606.87 29.17 188.00 44.66 71.34 24 25 8 4006.9 26.35 179.96

DIFFERENTIAL CORRECTIONS

TDE .8254 TRA-2.2179 TC3 -.1172 BAU .4973
 RDE-1.3260 RRA -.6370 RC3 .0038 FAU .01135
 FDE -.3255 FRA .7759 FC3 -.0310 BSP 2151
 BDE 1.5619 BRA 2.3075 BC3 .1172 FSP -54

MID-COURSE EXECUTION ACCURACY

SGT 884.4 SGR 475.8 SG3 25.8
 RRT .0843 RRF -.0765 RTF -.6438
 SGB 1004.3 R23 -.0004 R13 -.6442
 SG1 885.7 SG2 473.5 TMA 3.64

ORBIT DETERMINATION ACCURACY

ST 345.0 SR 431.1 SS 328.0
 CRT -.6679 CRS -.7101 CST .9964
 LSA 590.5 MSA 252.2 SSA 14.6
 EL1 507.2 EL2 218.3 ALF 125.70

LAUNCH DATE APR 22 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 7 1967

HELIOCENTRIC CONIC

DISTANCE 139.865

RL 150.36 LAL -.00 LOL 211.19 VL 16.493 GAL 29.40 AZL 89.45 MCA 39.34 SMA 88.88 ECC .77736 INC .5469 V1 29.633
 RP 108.57 LAP .35 LOP 250.53 VP 30.848 GAP -49.83 AZP 89.58 TAL 170.24 TAP 209.58 RCA 19.79 APO 157.97 V2 34.905
 RC 86.259 GL .46 GP 2.68 ZAL 63.45 ZAP 32.43 ETS 187.28 ZAE 134.07 ETE 176.54 ZAC 155.81 ETC 47.85 CLP 32.33

PLANETOCENTRIC CONIC

C3 291.099 VHL 17.062 DLA 12.69 RAL 150.09 RAD 6571.7 VEL 20.308 PTH 3.16 VHP 28.171 DPA 27.01 RAP 104.21 ECC 5.7908
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 45 17 3190.40 -26.22 110.07 59.32 78.90 6 38 27 2590.4 -27.49 101.63
 90.00 21 0 26 5023.77 23.20 221.18 47.51 73.30 22 24 10 4423.8 20.70 213.40
 100.00 7 13 10 2906.95 -27.94 89.60 59.70 78.92 8 1 37 2306.9 -29.19 81.02
 100.00 22 15 14 4782.46 24.88 202.88 46.95 72.88 23 34 56 4182.5 22.30 195.03
 110.00 8 36 10 2647.23 -32.54 70.92 60.75 78.91 9 20 17 2047.2 -33.73 61.89
 110.00 23 8 43 4614.94 29.35 188.58 45.34 71.63 24 25 38 4014.9 26.56 180.49

DIFFERENTIAL CORRECTIONS

TDE .8377 TRA-2.2378 TC3 -.1247 BAU .4858
 RDE-1.2782 RRA -.6311 RC3 .0048 FAU .01140
 FDE -.3428 FRA .8029 FC3 -.0339 BSP 2282
 BDE 1.5282 BRA 2.3250 BC3 .1248 FSP -59

MID-COURSE EXECUTION ACCURACY

SGT 923.9 SGR 481.4 SG3 27.7
 RRT .0889 RRF -.0811 RTF -.6611
 SGB 1041.8 R23 -.0007 R13 -.6615
 SG1 925.3 SG2 478.8 TMA 3.62

ORBIT DETERMINATION ACCURACY

ST 364.3 SR 434.2 SS 345.4
 CRT -.6683 CRS -.7143 CST .9962
 LSA 611.3 MSA 258.0 SSA 14.8
 EL1 519.5 EL2 226.5 ALF 127.61

LAUNCH DATE APR 22 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 9 1967

HELIOCENTRIC CONIC

DISTANCE 145.416

RL 150.36 LAL -.00 LOL 211.19 VL 17.197 GAL 28.08 AZL 89.76 MCA 42.52 SMA 90.31 ECC .75216 INC .2345 V1 29.633
 RP 108.60 LAP .16 LOP 253.71 VP 31.217 GAP -47.71 AZP 89.83 TAL 169.34 TAP 211.85 RCA 22.38 APO 158.24 V2 34.894
 RC 83.901 GL .22 GP 2.76 ZAL 62.19 ZAP 30.99 ETS 187.60 ZAE 134.19 ETE 176.04 ZAC 154.51 ETC 45.27 CLP 30.88

PLANETOCENTRIC CONIC

C3 267.121 VML 16.344 OLA 12.03 RAL 151.21 RAD 6571.6 VEL 19.709 PTH 3.12 VHP 27.169 DPA 26.99 RAP 106.15 ECC 5.3961
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 55 22 3157.14 -26.63 107.72 59.37 80.01 6 47 59 2557.1 -27.74 99.23
 90.00 20 59 16 5035.42 23.43 221.96 48.04 73.63 22 23 12 4435.4 20.96 214.15
 100.00 7 22 50 2875.02 -28.34 87.31 59.70 80.06 8 10 46 2275.0 -29.42 78.67
 100.00 22 14 29 4792.77 25.09 203.57 47.50 73.19 23 34 21 4192.8 22.55 195.70
 110.00 8 44 56 2618.13 -32.90 68.73 60.63 80.16 9 28 35 2018.1 -33.91 59.63
 110.00 23 8 52 4622.43 29.51 189.09 45.94 71.91 24 25 55 4022.4 26.75 180.99

DIFFERENTIAL CORRECTIONS

TDE .8497 TRA-2.2576 TC3 -.1325 BAU .4735
 RDE-1.2306 RRA -.6239 RC3 .0060 FAU .01146
 FDE -.3605 FRA .8303 FC3 -.0371 BSP 2428
 BOE 1.4954 BRA 2.3422 BC3 .1326 FSP -64

MID-COURSE EXECUTION ACCURACY

SGT 964.9 SGR 486.3 SG3 29.8
 RRT .0936 RRF -.0859 RTF -.6779
 SGB 1080.5 R23 -.0012 R13 -.6783
 SG1 966.3 SG2 483.5 TMA 3.61

ORBIT DETERMINATION ACCURACY

ST 384.5 SR 436.6 SS 363.3
 CRT -.6685 CRS -.7181 CST .9960
 LSA 633.1 MSA 263.5 SSA 15.0
 EL1 532.4 EL2 234.5 ALF 129.60

LAUNCH DATE APR 22 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 11 1967

HELIOCENTRIC CONIC

DISTANCE 151.078

RL 150.36 LAL -.00 LOL 211.19 VL 17.861 GAL 26.85 AZL 90.04 MCA 45.69 SMA 91.77 ECC .72701 INC .0350 V1 29.633
 RP 108.64 LAP -.03 LOP 256.88 VP 31.576 GAP -45.69 AZP 90.03 TAL 168.44 TAP 214.13 RCA 25.05 APO 158.48 V2 34.883
 RC 81.561 GL -.04 GP 2.83 ZAL 60.99 ZAP 29.57 ETS 187.95 ZAE 134.38 ETE 175.51 ZAC 153.14 ETC 42.92 CLP 29.44

PLANETOCENTRIC CONIC

C3 245.187 VML 15.658 OLA 11.36 RAL 152.27 RAD 6571.4 VEL 19.144 PTH 3.09 VHP 26.199 DPA 26.96 RAP 108.11 ECC 5.0352
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 5 11 3123.37 -27.01 105.32 59.29 81.15 6 57 14 2523.4 -27.96 96.78
 90.00 20 57 56 5046.40 23.64 222.69 48.49 73.94 22 22 2 4446.4 21.21 214.86
 100.00 7 32 15 2842.56 -28.70 84.96 59.58 81.25 8 19 38 2242.6 -29.61 76.28
 100.00 22 13 33 4802.45 25.28 204.23 47.96 73.49 23 33 35 4202.5 22.77 196.33
 110.00 8 53 28 2588.42 -33.23 66.47 60.39 81.46 9 36 37 1988.4 -34.05 57.33
 110.00 23 8 49 4629.35 29.65 189.57 46.44 72.16 24 25 58 4029.3 26.93 181.45

DIFFERENTIAL CORRECTIONS

TDE .8609 TRA-2.2774 TC3 -.1404 BAU .4608
 RDE-1.1832 RRA -.6157 RC3 .0074 FAU .01154
 FDE -.3785 FRA .8582 FC3 -.0407 BSP 2577
 BOE 1.4633 BRA 2.3592 BC3 .1406 FSP -70

MID-COURSE EXECUTION ACCURACY

SGT 1007.5 SGR 490.7 SG3 32.1
 RRT .0986 RRF -.0910 RTF -.6941
 SGB 1120.6 R23 -.0017 R13 -.6945
 SG1 1009.0 SG2 487.6 TMA 3.59

ORBIT DETERMINATION ACCURACY

ST 405.5 SR 438.4 SS 381.7
 CRT -.6684 CRS -.7216 CST .9957
 LSA 655.7 MSA 268.5 SSA 15.2
 EL1 545.8 EL2 242.3 ALF 131.67

LAUNCH DATE APR 22 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 13 1967

HELIOCENTRIC CONIC

DISTANCE 156.844

RL 150.36 LAL -.00 LOL 211.19 VL 18.487 GAL 25.69 AZL 90.29 MCA 48.86 SMA 93.23 ECC .70204 INC .2880 V1 29.633
 RP 108.67 LAP -.22 LOP 260.05 VP 31.922 GAP -43.77 AZP 90.19 TAL 167.56 TAP 216.42 RCA 27.78 APO 158.68 V2 34.872
 RC 79.241 GL -.32 GP 2.92 ZAL 59.82 ZAP 28.17 ETS 188.36 ZAE 134.64 ETE 174.93 ZAC 151.72 ETC 40.78 CLP 28.03

PLANETOCENTRIC CONIC

C3 225.104 VML 15.003 OLA 10.69 RAL 153.28 RAD 6571.3 VEL 18.612 PTH 3.05 VHP 25.260 DPA 26.90 RAP 110.09 ECC 4.7046
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 14 45 3089.05 -27.34 102.87 59.08 82.34 7 6 14 2489.1 -28.12 94.29
 90.00 20 56 25 5056.72 23.83 223.39 48.85 74.24 22 20 41 4456.7 21.44 215.53
 100.00 7 41 25 2809.50 -29.02 82.56 59.34 82.48 8 28 15 2209.5 -29.75 73.83
 100.00 22 12 25 4811.51 25.45 204.85 48.34 73.77 23 32 37 4211.5 22.98 196.92
 110.00 9 1 46 2558.08 -33.51 64.15 60.01 82.81 9 44 24 1958.1 -34.14 54.96
 110.00 23 8 34 4635.69 29.79 190.02 46.85 72.40 24 25 49 4035.7 27.09 181.87

DIFFERENTIAL CORRECTIONS

TDE .8723 TRA-2.2964 TC3 -.1483 BAU .4472
 RDE-1.1361 RRA -.6064 RC3 .0090 FAU .01163
 FDE -.3971 FRA .8864 FC3 -.0447 BSP 2747
 BOE 1.4323 BRA 2.3751 BC3 .1486 FSP -77

MID-COURSE EXECUTION ACCURACY

SGT 1051.4 SGR 494.5 SG3 34.5
 RRT .1034 RRF -.0963 RTF -.7098
 SGB 1161.9 R23 -.0024 R13 -.7101
 SG1 1053.0 SG2 491.1 TMA 3.56

ORBIT DETERMINATION ACCURACY

ST 427.6 SR 439.6 SS 400.6
 CRT -.6683 CRS -.7248 CST .9955
 LSA 679.5 MSA 273.0 SSA 15.4
 EL1 560.1 EL2 249.6 ALF 133.82

LAUNCH DATE APR 22 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 15 1967

HELIOCENTRIC CONIC

DISTANCE 162.708

RL 150.36 LAL -.00 LOL 211.19 VL 19.076 GAL 24.59 AZL 90.31 MCA 52.03 SMA 94.70 ECC .67735 INC .5127 V1 29.633
 RP 108.70 LAP -.40 LOP 263.22 VP 32.256 GAP -41.94 AZP 90.32 TAL 166.68 TAP 218.72 RCA 30.56 APO 158.85 V2 34.862
 RC 76.944 GL -.62 GP 3.01 ZAL 58.71 ZAP 26.80 ETS 188.82 ZAE 134.97 ETE 174.30 ZAC 150.24 ETC 38.83 CLP 26.64

PLANETOCENTRIC CONIC

C3 206.706 VML 14.377 OLA 10.01 RAL 154.23 RAD 6571.2 VEL 18.111 PTH 3.02 VHP 24.350 DPA 26.83 RAP 112.09 ECC 4.4019
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 24 3 3034.13 -27.64 100.35 58.76 83.57 7 14 58 2454.1 -28.24 91.74
 90.00 20 54 42 5066.42 24.01 224.04 49.11 74.52 22 19 8 4466.4 21.65 216.16
 100.00 7 50 21 2775.82 -29.29 80.09 58.97 83.75 8 36 37 2175.8 -29.85 71.33
 100.00 22 11 6 4819.96 25.61 205.43 48.62 74.03 23 31 25 4220.0 23.17 197.47
 110.00 9 9 50 2527.07 -33.75 61.76 59.52 84.20 9 51 57 1927.1 -34.18 52.54
 110.00 23 8 5 4641.48 29.90 190.43 47.16 72.61 24 25 27 4041.5 27.23 182.26

DIFFERENTIAL CORRECTIONS

TDE .8791 TRA-2.3190 TC3 -.1571 BAU .4352
 RDE-1.0893 RRA -.5962 RC3 .0108 FAU .01172
 FDE -.4156 FRA .9158 FC3 -.0491 BSP 2825
 BOE 1.3998 BRA 2.3944 BC3 .1575 FSP -83

MID-COURSE EXECUTION ACCURACY

SGT 1098.9 SGR 497.6 SG3 37.1
 RRT .1103 RRF -.1024 RTF -.7243
 SGB 1206.3 R23 -.0024 R13 -.7247
 SG1 1100.6 SG2 493.8 TMA 3.58

ORBIT DETERMINATION ACCURACY

ST 449.6 SR 440.1 SS 419.7
 CRT -.6656 CRS -.7271 CST .9950
 LSA 703.4 MSA 277.5 SSA 15.6
 EL1 574.2 EL2 257.2 ALF 135.92

LAUNCH DATE APR 22 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 17 1967

HELIOCENTRIC CONIC
 RL 150.36 LAL -.00 LOL 211.19 VL 19.631 GAL 23.56 AZL 90.72 HCA 55.20 SMA 96.18 ECC .65303 INC .7187 V1 29.633
 RP 108.73 LAP -.59 LOP 266.39 VP 32.577 GAP -40.19 AZP 90.41 TAL 165.82 TAP 221.02 RCA 33.37 APO 158.99 V2 34.853
 RC 74.673 GL -.94 GP 3.11 ZAL 57.64 ZAP 25.44 ETS 189.34 ZAE 135.37 ETE 173.61 ZAC 148.71 ETC 37.06 CLP 25.26

PLANETOCENTRIC CONIC
 C3 189.841 VML 13.778 DLA 9.33 RAL 155.13 RAD 6571.0 VEL 17.640 PTM 2.98 VMP 23.467 DPA 26.73 RAP 114.10 ECC 4.1243
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 33 8 3018.56 -27.88 97.78 58.31 84.84 7 23 27 2418.6 -28.30 89.14
 90.00 20 52 47 5075.52 24.17 224.66 49.29 74.78 22 17 23 4475.5 21.85 216.76
 100.00 7 59 3 2741.47 -29.52 77.56 58.48 85.06 8 44 44 2141.5 -29.89 68.78
 100.00 22 9 34 4827.84 25.76 205.97 48.80 74.28 23 30 1 4227.8 23.35 197.99
 110.00 9 17 42 2495.35 -33.94 59.30 58.90 85.65 9 59 17 1895.4 -34.17 50.06
 110.00 23 7 24 4646.72 30.01 190.80 47.38 72.81 24 24 51 4046.7 27.37 182.61

DIFFERENTIAL CORRECTIONS
 TDE .8856 TRA-2.3406 TC3 -.1660 BAU .4226 SGT 1148.0 SGR 500.2 SG3 39.9 ST 472.6 SR 440.0 SS 439.5
 RDE -1.0429 RRA -.5852 RC3 .0129 FAU .01183 RRT .1172 RRF -.1089 RTF -.7382 CRT -.6629 CRS -.7291 CST .9945
 FDE -.4346 FRA .9458 RDE -.0539 BSP 2921 SGB 1252.2 R23 -.0025 R13 -.7386 LSA 728.4 MSA 281.6 SSA 15.8
 BDE 1.3682 BRA 2.4126 BC3 .1665 FSP -89 SGI 1149.8 SG2 495.9 THA 3.59 EL1 589.2 EL2 264.2 ALF 138.09

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 22 1967

FLIGHT TIME 88.00

ARRIVAL DATE JUL 19 1967

HELIOCENTRIC CONIC
 RL 150.36 LAL -.00 LOL 211.19 VL 20.154 GAL 22.58 AZL 90.91 HCA 58.37 SMA 97.65 ECC .62917 INC .9092 V1 29.633
 RP 108.76 LAP -.77 LOP 269.56 VP 32.886 GAP -38.52 AZP 90.48 TAL 164.97 TAP 223.34 RCA 36.21 APO 159.09 V2 34.844
 RC 72.433 GL -1.28 GP 3.22 ZAL 56.61 ZAP 24.10 ETS 189.94 ZAE 135.86 ETE 172.87 ZAC 147.14 ETC 35.45 CLP 23.90

PLANETOCENTRIC CONIC
 C3 174.395 VML 13.206 DLA 8.64 RAL 155.97 RAD 6570.9 VEL 17.196 PTM 2.94 VMP 22.612 DPA 26.62 RAP 116.12 ECC 3.8701
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 42 0 2982.29 -28.08 95.14 57.75 86.15 7 31 42 2382.3 -28.31 86.49
 90.00 20 50 40 5084.09 24.32 225.24 49.37 75.04 22 15 24 4484.1 22.03 217.32
 100.00 8 7 32 2706.40 -29.70 74.97 57.87 86.41 8 52 39 2106.4 -29.88 66.17
 100.00 22 7 49 4835.21 25.89 206.47 48.90 74.52 23 28 24 4235.2 23.52 198.48
 110.00 9 25 21 2462.90 -34.08 56.77 58.16 87.13 10 6 24 1862.9 -34.10 47.53
 110.00 23 6 29 4651.48 30.11 191.14 47.51 72.99 24 24 1 4051.5 27.48 187.93

DIFFERENTIAL CORRECTIONS
 TDE .8474 TRA-2.4059 TC3 -.1852 BAU .4333 SGT 1220.4 SGR 502.6 SG3 43.0 ST 485.5 SR 439.5 SS 456.4
 RDE -.9980 RRA -.5744 RC3 .0150 FAU .01168 RRT .1429 RRF -.1221 RTF -.7447 CRT -.6338 CRS -.7249 CST .9910
 FDE -.4483 FRA .9824 FC3 -.0380 BSP 1960 SGB 1319.8 R23 .0054 R13 -.7448 LSA 742.8 MSA 292.0 SSA 16.3
 BDE 1.3092 BRA 2.4735 BC3 .1858 FSP -84 SGI 1222.9 SG2 496.4 THA 4.03 EL1 592.8 EL2 278.5 ALF 139.47

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 22 1967

FLIGHT TIME 90.00

ARRIVAL DATE JUL 21 1967

HELIOCENTRIC CONIC
 RL 150.36 LAL -.00 LOL 211.19 VL 20.647 GAL 21.64 AZL 91.09 HCA 61.54 SMA 99.12 ECC .60578 INC 1.0871 V1 29.633
 RP 108.79 LAP -.96 LOP 272.73 VP 33.181 GAP -36.92 AZP 90.52 TAL 164.14 TAP 225.68 RCA 39.07 APO 159.16 V2 34.835
 RC 70.227 GL -1.65 GP 3.34 ZAL 55.64 ZAP 22.78 ETS 190.63 ZAE 136.42 ETE 172.06 ZAC 145.54 ETC 33.98 CLP 22.55

PLANETOCENTRIC CONIC
 C3 160.172 VML 12.656 DLA 7.94 RAL 156.76 RAD 6570.7 VEL 16.778 PTM 2.90 VMP 21.780 DPA 26.49 RAP 118.15 ECC 3.6360
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 50 37 2945.30 -28.21 92.45 57.05 87.49 7 39 42 2345.3 -28.26 83.78
 90.00 20 48 19 5092.03 24.46 225.78 49.36 75.28 22 13 11 4492.0 22.20 217.84
 100.00 8 15 47 2670.60 -29.82 72.32 57.13 87.80 9 0 18 2070.6 -29.81 63.51
 100.00 22 5 49 4841.97 26.01 206.94 48.90 74.73 23 26 31 4242.0 23.66 198.93
 110.00 9 32 46 2429.68 -34.16 54.18 57.29 88.86 10 13 16 1829.7 -33.97 44.94
 110.00 23 5 20 4655.65 30.19 191.44 47.54 73.14 24 22 55 4055.6 27.58 183.21

DIFFERENTIAL CORRECTIONS
 TDE .9386 TRA-2.3391 TC3 -.1738 BAU .3741 SGT 1231.7 SGR 502.7 SG3 46.2 ST 532.6 SR 437.0 SS 484.2
 RDE -.9503 RRA -.5600 RC3 .0181 FAU .01236 RRT .1143 RRF -.1170 RTF -.7712 CRT -.6797 CRS -.7381 CST .9956
 FDE -.4804 FRA 1.0022 FC3 -.0668 BSP 4133 SGB 1330.4 R23 -.0116 R13 -.7717 LSA 793.4 MSA 281.7 SSA 15.8
 BDE 1.3357 BRA 2.4052 BC3 .1747 FSP -117 SGI 1233.3 SG2 498.8 THA 3.19 EL1 634.1 EL2 269.2 ALF 143.16

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 22 1967

FLIGHT TIME 92.00

ARRIVAL DATE JUL 23 1967

HELIOCENTRIC CONIC
 RL 150.36 LAL -.00 LOL 211.19 VL 21.110 GAL 20.75 AZL 91.25 HCA 64.71 SMA 100.57 ECC .58298 INC 1.2546 V1 29.633
 RP 108.81 LAP -1.13 LOP 275.89 VP 33.463 GAP -35.39 AZP 90.54 TAL 163.33 TAP 228.03 RCA 41.94 APO 159.20 V2 34.827
 RC 68.060 GL -2.04 GP 3.47 ZAL 54.71 ZAP 21.48 ETS 191.43 ZAE 137.07 ETE 171.16 ZAC 143.90 ETC 32.64 CLP 21.22

PLANETOCENTRIC CONIC
 C3 147.166 VML 12.131 DLA 7.23 RAL 157.49 RAD 6570.6 VEL 16.386 PTM 2.86 VMP 20.974 DPA 26.34 RAP 120.20 ECC 3.4220
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 59 4 2907.52 -28.30 89.69 56.25 88.87 7 47 31 2307.5 -28.15 81.02
 90.00 20 45 43 5099.61 24.59 226.30 49.26 75.50 22 10 43 4499.6 22.36 218.34
 100.00 8 23 52 2634.00 -29.88 69.60 56.28 89.23 9 7 46 2034.0 -29.67 60.80
 100.00 22 3 38 4848.37 26.13 207.38 48.81 74.94 23 24 24 4248.4 23.80 199.35
 110.00 9 40 1 2395.66 -34.18 51.53 56.31 90.24 10 19 57 1795.7 -33.77 42.31
 110.00 23 3 56 4659.47 30.26 191.71 47.48 73.29 24 21 35 4059.5 27.68 183.47

DIFFERENTIAL CORRECTIONS
 TDE .9285 TRA-2.3728 TC3 -.1861 BAU .3685 SGT 1293.2 SGR 503.4 SG3 49.7 ST 554.4 SR 434.8 SS 504.8
 RDE -.9056 RRA -.5474 RC3 .0210 FAU .01244 RRT .1288 RRF -.1269 RTF -.7809 CRT -.6683 CRS -.7374 CST .9943
 FDE -.4995 FRA 1.0365 FC3 -.0732 BSP 3882 SGB 1387.7 R23 -.0088 R13 -.7814 LSA 817.9 MSA 286.3 SSA 16.1
 BDE 1.2970 BRA 2.4352 BC3 .1873 FSP -121 SGI 1295.1 SG2 498.5 THA 3.37 EL1 647.9 EL2 276.8 ALF 145.08

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 22 1967

FLIGHT TIME 94.00

ARRIVAL DATE JUL 25 1967

HELIOCENTRIC CONIC

DISTANCE 193.282

RL 150.36 LAL -.00 LOL 211.19 VL 21.547 GAL 19.90 AZL 91.41 HCA 67.87 SMA 102.01 ECC .56078 INC 1.4135 V1 29.633
 RP 108.83 LAP -1.31 LOP 279.06 VP 33.733 GAP -33.92 AZP 90.53 TAL 162.53 TAP 230.40 RCA 44.81 APO 159.22 V2 34.820
 RC 65.936 GL -2.46 GP 3.61 ZAL 53.83 ZAP 20.20 ETS 192.37 ZAE 137.81 ETE 170.19 ZAC 142.23 ETC 31.41 CLP 19.89

PLANETOCENTRIC CONIC

C3 135.229 VML 11.629 DLA 6.51 RAL 158.17 RAD 6570.5 VEL 16.018 PTH 2.82 VMP 20.192 DPA 26.18 RAP 122.24 ECC 3.2255
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 7 19 2868.93 -28.32 86.86 55.34 90.29 7 55 8 2268.9 -27.98 78.21
 90.00 20 42 53 5106.79 24.71 226.79 49.07 75.72 22 7 59 4506.8 22.51 218.81
 100.00 8 31 46 2596.58 -29.89 66.82 55.32 90.70 9 15 2 1996.6 -29.47 58.04
 100.00 22 1 7 4854.38 26.23 207.79 48.63 75.13 23 22 2 4254.4 23.93 199.75
 110.00 9 47 5 2360.82 -34.14 48.81 55.21 91.85 10 26 26 1760.8 -33.51 39.62
 110.00 23 2 17 4662.90 30.33 191.95 47.32 73.42 24 28 0 4062.9 27.76 183.70

DIFFERENTIAL CORRECTIONS

TOE .9350 TRA-2.3877 TC3 -.1939 BAU .3533
 RDE -.8609 RRA -.5339 RC3 .0244 FAU .01265
 FDE -.5218 FRA 1.0693 FC3 -.0810 BSP 4059
 BDE 1.2710 BRA 2.4467 BC3 .1954 FSP -131

MID-COURSE EXECUTION ACCURACY

SGT 1348.2 SGR 503.3 SG3 53.5
 RRT .1364 RRF -.1350 RTF -.7930
 SGB 1439.1 R23 -.0099 R13 -.7934
 SGI 1350.2 SG2 497.8 TMA 3.37

ORBIT DETERMINATION ACCURACY

ST 581.9 SR 431.6 SS 527.5
 CRT -.6659 CRS -.7388 CST .9939
 LSA 848.6 MSA 287.6 SSA 16.3
 EL1 668.0 EL2 280.5 ALF 147.24

LAUNCH DATE APR 22 1967

FLIGHT TIME 96.00

ARRIVAL DATE JUL 27 1967

HELIOCENTRIC CONIC

DISTANCE 199.608

RL 150.36 LAL -.00 LOL 211.19 VL 21.958 GAL 19.09 AZL 91.57 HCA 71.04 SMA 103.43 ECC .53922 INC 1.5653 V1 29.633
 RP 108.83 LAP -1.48 LOP 282.22 VP 33.990 GAP -32.51 AZP 90.51 TAL 161.76 TAP 232.79 RCA 47.66 APO 159.21 V2 34.813
 RC 63.861 GL -2.91 GP 3.76 ZAL 53.00 ZAP 18.94 ETS 193.47 ZAE 138.64 ETE 169.10 ZAC 140.53 ETC 30.29 CLP 18.57

PLANETOCENTRIC CONIC

C3 124.282 VML 11.148 DLA 5.78 RAL 158.79 RAD 6570.3 VEL 15.672 PTH 2.79 VMP 19.433 DPA 26.00 RAP 124.30 ECC 3.0454
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 15 24 2829.48 -28.27 83.98 54.32 91.73 8 2 34 2229.5 -27.73 75.35
 90.00 20 39 46 5113.66 24.83 227.26 48.78 75.93 22 4 59 4513.7 22.65 219.27
 100.00 8 39 29 2558.30 -29.82 63.97 54.26 92.19 9 22 7 1958.3 -29.20 55.22
 100.00 21 58 22 4860.08 26.33 208.19 48.36 75.32 23 19 22 4260.1 24.06 200.13
 110.00 9 53 59 2325.12 -34.03 46.02 54.01 93.49 10 32 44 1725.1 -33.17 36.89
 110.00 23 0 21 4666.01 30.39 192.18 47.07 73.54 24 18 7 4066.0 27.84 183.91

DIFFERENTIAL CORRECTIONS

TOE .9401 TRA-2.4023 TC3 -.2018 BAU .3385
 RDE -.8169 RRA -.5202 RC3 .0282 FAU .01287
 FDE -.5450 FRA 1.1033 FC3 -.0897 BSP 4216
 BDE 1.2454 BRA 2.4579 BC3 .2037 FSP -142

MID-COURSE EXECUTION ACCURACY

SGT 1405.6 SGR 502.4 SG3 57.5
 RRT .1449 RRF -.1438 RTF -.8043
 SGB 1492.7 R23 -.0108 R13 -.8047
 SGI 1407.8 SG2 496.3 TMA 3.39

ORBIT DETERMINATION ACCURACY

ST 610.1 SR 427.5 SS 551.1
 CRT -.6628 CRS -.7398 CST .9933
 LSA 880.4 MSA 288.6 SSA 16.4
 EL1 688.9 EL2 283.5 ALF 149.36

LAUNCH DATE APR 22 1967

FLIGHT TIME 98.00

ARRIVAL DATE JUL 29 1967

HELIOCENTRIC CONIC

DISTANCE 205.993

RL 150.36 LAL -.00 LOL 211.19 VL 22.345 GAL 18.31 AZL 91.71 HCA 74.20 SMA 104.83 ECC .51833 INC 1.7114 V1 29.633
 RP 108.87 LAP -1.65 LOP 285.38 VP 34.235 GAP -31.15 AZP 90.47 TAL 161.01 TAP 235.20 RCA 50.50 APO 159.17 V2 34.807
 RC 61.839 GL -3.40 GP 3.92 ZAL 52.22 ZAP 17.69 ETS 194.78 ZAE 139.56 ETE 167.90 ZAC 138.81 ETC 29.26 CLP 17.26

PLANETOCENTRIC CONIC

C3 114.243 VML 10.688 DLA 5.03 RAL 159.36 RAD 6570.2 VEL 15.349 PTH 2.75 VMP 18.697 DPA 25.81 RAP 126.36 ECC 2.8801
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 23 20 2789.14 -28.15 81.03 53.19 93.21 8 9 49 2189.1 -27.41 72.44
 90.00 20 36 21 5120.32 24.94 227.72 48.41 76.13 22 1 41 4520.3 22.79 219.71
 100.00 8 47 2 2519.13 -29.68 61.07 53.08 93.72 9 29 2 1919.1 -28.85 52.36
 100.00 21 55 19 4865.56 26.43 208.57 48.00 75.50 23 16 25 4265.6 24.17 200.49
 110.00 10 0 43 2288.56 -33.84 43.18 52.70 95.16 10 38 51 1688.6 -32.75 34.12
 110.00 22 58 8 4668.89 30.45 192.38 46.74 73.65 24 15 57 4068.9 27.91 184.11

DIFFERENTIAL CORRECTIONS

TOE .9479 TRA-2.4118 TC3 -.2081 BAU .3217
 RDE -.7733 RRA -.5061 RC3 .0325 FAU .01315
 FDE -.5698 FRA 1.1380 FC3 -.0996 BSP 4456
 BDE 1.2233 BRA 2.4643 BC3 .2107 FSP -155

MID-COURSE EXECUTION ACCURACY

SGT 1463.1 SGR 500.8 SG3 61.9
 RRT .1528 RRF -.1531 RTF -.8156
 SGB 1546.4 R23 -.0126 R13 -.8160
 SGI 1465.3 SG2 494.2 TMA 3.38

ORBIT DETERMINATION ACCURACY

ST 640.3 SR 422.5 SS 575.9
 CRT -.6611 CRS -.7409 CST .9929
 LSA 914.7 MSA 288.3 SSA 16.5
 EL1 712.2 EL2 285.0 ALF 151.45

LAUNCH DATE APR 22 1967

FLIGHT TIME 100.00

ARRIVAL DATE JUL 31 1967

HELIOCENTRIC CONIC

DISTANCE 212.430

RL 150.36 LAL -.00 LOL 211.19 VL 22.709 GAL 17.56 AZL 91.85 HCA 77.36 SMA 106.21 ECC .49812 INC 1.8529 V1 29.633
 RP 108.89 LAP -1.81 LOP 288.54 VP 34.469 GAP -29.84 AZP 90.41 TAL 160.28 TAP 237.64 RCA 53.30 APO 159.12 V2 34.802
 RC 59.876 GL -3.92 GP 4.11 ZAL 51.50 ZAP 16.47 ETS 196.33 ZAE 140.57 ETE 166.57 ZAC 137.07 ETC 28.31 CLP 15.96

PLANETOCENTRIC CONIC

C3 105.043 VML 10.249 DLA 4.27 RAL 159.87 RAD 6570.0 VEL 15.046 PTH 2.71 VMP 17.982 DPA 25.61 RAP 128.41 ECC 2.7287
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 31 7 2747.87 -27.96 78.03 51.97 94.70 8 16 55 2147.9 -27.01 69.49
 90.00 20 32 37 5126.87 25.04 228.17 47.96 76.34 21 58 4 4526.9 22.92 220.14
 100.00 8 54 28 2479.04 -29.47 58.11 51.82 95.26 9 35 47 1879.0 -28.43 49.46
 100.00 21 51 58 4870.93 26.52 208.94 47.55 75.67 23 13 9 4270.9 24.29 200.85
 110.00 10 7 17 2251.10 -33.57 40.29 51.30 96.85 10 44 49 1651.1 -32.26 31.31
 110.00 22 55 37 4671.64 30.50 192.58 46.31 73.76 24 13 29 4071.6 27.97 184.29

DIFFERENTIAL CORRECTIONS

TOE .9521 TRA-2.4229 TC3 -.2151 BAU .3065
 RDE -.7304 RRA -.4920 RC3 .0372 FAU .01343
 FDE -.5954 FRA 1.1744 FC3 -.1107 BSP 4627
 BDE 1.2000 BRA 2.4724 BC3 .2183 FSP -168

MID-COURSE EXECUTION ACCURACY

SGT 1524.0 SGR 498.6 SG3 66.7
 RRT .1627 RRF -.1636 RTF -.8258
 SGB 1603.5 R23 -.0139 R13 -.8262
 SGI 1526.4 SG2 491.2 TMA 3.40

ORBIT DETERMINATION ACCURACY

ST 670.4 SR 416.6 SS 601.4
 CRT -.6575 CRS -.7413 CST .9924
 LSA 949.5 MSA 288.0 SSA 16.7
 EL1 735.7 EL2 286.1 ALF 153.46

LAUNCH DATE APR 22 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 2 1967

HELIOCENTRIC CONIC
 RL 150.36 LAL -.00 LOL 211.19 VL 23.052 GAL 16.85 AZL 91.99 MCA 80.52 SMA 107.56 ECC .47862 INC 1.9910 V1 29.633
 RP 108.90 LAP -1.96 LOP 291.71 VP 34.691 GAP -28.59 AZP 90.33 TAL 159.58 TAP 240.10 RCA 56.08 APO 159.04 V2 34.797
 RC 57.979 GL -4.47 GP 4.31 ZAL 50.82 ZAP 15.27 ETS 198.20 ZAE 141.67 ETE 165.07 ZAC 135.30 ETC 27.44 CLP 14.66

PLANETOCENTRIC CONIC
 C3 96.614 VHL 9.829 DLA 3.48 RAL 160.32 RAD 6569.9 VEL 14.763 PTH 2.67 VMP 17.288 DPA 25.40 RAP 130.47 ECC 2.5900
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 38 47 2705.64 -27.68 74.97 50.65 96.21 8 23 52 2105.6 -26.53 66.49
 90.00 20 28 34 5133.44 25.15 228.62 47.42 76.54 21 54 7 4533.4 23.05 220.58
 100.00 9 1 45 2438.01 -29.17 55.09 50.46 96.82 9 42 23 1838.0 -27.92 46.51
 100.00 21 48 17 4876.30 26.61 209.31 47.02 75.85 23 9 33 4276.3 24.40 201.21
 110.00 10 13 44 2212.73 -33.22 37.35 49.82 98.56 10 50 36 1612.7 -31.68 28.46
 110.00 22 52 47 4674.35 30.55 192.77 45.81 73.86 24 10 42 4074.4 28.04 184.48

DIFFERENTIAL CORRECTIONS
 TDE .9585 TRA-2.4296 TC3 -.2204 BAU .2899
 RDE -.6881 RRA -.4778 RC3 .0426 FAU .01376
 FDE -.6229 FRA 1.2117 FC3 -.1233 BSP 4862
 BDE 1.1799 BRA 2.4761 BC3 .2244 FSP -183

MID-COURSE EXECUTION ACCURACY
 SGT 1581.2 SGR 495.7 SG3 71.8
 RRT .1725 RRF -.1750 RTF -.8359
 SGB 1661.0 R23 -.0159 R13 -.8364
 SGI 1587.8 SG2 487.5 TMA 3.41

ORBIT DETERMINATION ACCURACY
 ST 702.5 SR 409.8 SS 628.3
 CRT -.6548 CRS -.7417 CST .9919
 LSA 986.8 MSA 286.6 SSA 16.8
 EL1 761.4 EL2 285.7 ALF 155.41

LAUNCH DATE APR 22 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 4 1967

HELIOCENTRIC CONIC
 RL 150.36 LAL -.00 LOL 211.19 VL 23.373 GAL 16.16 AZL 92.13 MCA 83.68 SMA 108.88 ECC .45983 INC 2.1264 V1 29.633
 RP 108.92 LAP -2.11 LOP 294.87 VP 34.901 GAP -27.38 AZP 90.23 TAL 158.90 TAP 242.59 RCA 58.81 APO 158.94 V2 34.793
 RC 58.154 GL -5.07 GP 4.52 ZAL 50.20 ZAP 14.10 ETS 200.47 ZAE 142.87 ETE 163.58 ZAC 133.53 ETC 26.64 CLP 13.36

PLANETOCENTRIC CONIC
 C3 88.898 VHL 9.429 DLA 2.68 RAL 160.71 RAD 6569.7 VEL 14.500 PTH 2.63 VMP 16.615 DPA 25.19 RAP 132.53 ECC 2.4630
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 46 20 2682.41 -27.33 71.86 49.25 97.73 8 30 42 2062.4 -25.97 63.45
 90.00 20 24 8 5140.17 25.26 229.09 46.80 76.75 21 49 49 4540.2 23.18 221.03
 100.00 9 8 55 2396.01 -28.80 52.03 49.01 98.39 9 48 51 1796.0 -27.34 43.53
 100.00 21 44 14 4881.81 26.70 209.70 46.42 76.03 23 5 36 4281.8 24.51 201.58
 110.00 10 20 2 2173.43 -32.78 34.37 48.25 100.27 10 56 15 1573.4 -31.02 25.59
 110.00 22 49 37 4677.15 30.60 192.97 45.22 73.97 24 7 34 4077.1 28.10 184.67

DIFFERENTIAL CORRECTIONS
 TDE .9647 TRA-2.4343 TC3 -.2247 BAU .2731
 RDE -.6464 RRA -.4638 RC3 .0485 FAU .01413
 FDE -.6520 FRA 1.2506 FC3 -.1376 BSP 5106
 BDE 1.1612 BRA 2.4781 BC3 .2298 FSP -200

MID-COURSE EXECUTION ACCURACY
 SGT 1648.1 SGR 492.2 SG3 77.4
 RRT .1835 RRF -.1876 RTF -.8457
 SGB 1720.1 R23 -.0182 R13 -.8461
 SGI 1650.8 SG2 483.1 TMA 3.43

ORBIT DETERMINATION ACCURACY
 ST 735.7 SR 401.8 SS 656.5
 CRT -.6519 CRS -.7417 CST .9915
 LSA 1025.9 MSA 284.5 SSA 16.9
 EL1 788.6 EL2 284.3 ALF 157.29

LAUNCH DATE APR 22 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 6 1967

HELIOCENTRIC CONIC
 RL 150.36 LAL -.00 LOL 211.19 VL 23.676 GAL 15.51 AZL 92.26 MCA 86.84 SMA 110.16 ECC .44175 INC 2.2602 V1 29.633
 RP 108.93 LAP -2.26 LOP 298.03 VP 35.101 GAP -26.21 AZP 90.12 TAL 158.26 TAP 245.10 RCA 61.50 APO 158.83 V2 34.790
 RC 54.407 GL -5.71 GP 4.76 ZAL 49.63 ZAP 12.96 ETS 203.25 ZAE 144.15 ETE 164.46 ZAC 131.73 ETC 25.90 CLP 12.07

PLANETOCENTRIC CONIC
 C3 81.839 VHL 9.046 DLA 1.86 RAL 161.04 RAD 6569.6 VEL 14.254 PTH 2.59 VMP 15.962 DPA 24.97 RAP 134.59 ECC 2.3469
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 53 47 2618.17 -26.88 68.69 47.77 99.26 8 37 26 2018.2 -25.33 60.37
 90.00 20 19 19 5147.21 25.36 229.57 46.11 76.97 21 45 7 4547.2 23.32 221.50
 100.00 9 16 0 2353.01 -28.33 48.92 47.50 99.96 9 55 13 1753.0 -26.66 40.51
 100.00 21 39 48 4887.60 26.79 210.10 45.73 76.22 23 1 16 4287.6 24.63 201.97
 110.00 10 26 13 2133.21 -32.25 31.35 46.62 101.99 11 1 47 1533.2 -30.27 22.70
 110.00 22 46 4 4680.17 30.66 193.19 44.57 74.09 24 4 4 4080.2 28.17 184.88

DIFFERENTIAL CORRECTIONS
 TDE .9701 TRA-2.4375 TC3 -.2261 BAU .2568
 RDE -.6053 RRA -.4501 RC3 .0551 FAU .01453
 FDE -.6830 FRA 1.2912 FC3 -.1537 BSP 5344
 BDE 1.1435 BRA 2.4787 BC3 .2347 FSP -217

MID-COURSE EXECUTION ACCURACY
 SGT 1712.8 SGR 488.1 SG3 83.5
 RRT .1960 RRF -.2019 RTF -.8548
 SGB 1781.0 R23 -.0206 R13 -.8552
 SGI 1715.7 SG2 477.9 TMA 3.47

ORBIT DETERMINATION ACCURACY
 ST 769.7 SR 392.8 SS 686.0
 CRT -.6481 CRS -.7411 CST .9910
 LSA 1066.6 MSA 281.9 SSA 16.9
 EL1 816.8 EL2 281.9 ALF 159.09

LAUNCH DATE APR 22 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 8 1967

HELIOCENTRIC CONIC
 RL 150.36 LAL -.00 LOL 211.19 VL 23.960 GAL 14.88 AZL 92.39 MCA 90.00 SMA 111.41 ECC .42440 INC 2.3932 V1 29.633
 RP 108.93 LAP -2.39 LOP 301.19 VP 35.291 GAP -25.08 AZP 90.00 TAL 157.64 TAP 247.64 RCA 64.13 APO 158.70 V2 34.787
 RC 52.748 GL -6.39 GP 5.03 ZAL 49.12 ZAP 11.87 ETS 206.67 ZAE 145.52 ETE 159.28 ZAC 129.92 ETC 25.22 CLP 10.77

PLANETOCENTRIC CONIC
 C3 75.388 VHL 8.683 DLA 1.00 RAL 161.32 RAD 6569.5 VEL 14.026 PTH 2.56 VMP 15.329 DPA 24.76 RAP 136.64 ECC 2.2407
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 1 11 2572.88 -26.34 65.49 46.23 100.78 8 44 4 1972.9 -24.59 57.26
 90.00 20 14 5 5154.74 25.48 230.09 45.35 77.21 21 40 0 4554.7 23.46 222.00
 100.00 9 22 59 2308.99 -27.77 45.77 45.92 101.53 10 1 28 1709.0 -25.90 37.47
 100.00 21 34 58 4893.86 26.89 210.54 44.98 76.43 22 56 32 4293.9 24.76 202.39
 110.00 10 32 19 2092.03 -31.63 28.30 44.92 103.69 11 7 11 1492.0 -29.43 19.79
 110.00 22 42 8 4683.58 30.72 193.44 43.84 74.22 24 0 12 4083.6 28.25 185.11

DIFFERENTIAL CORRECTIONS
 TDE .9731 TRA-2.4410 TC3 -.2316 BAU .2417
 RDE -.5648 RRA -.4368 RC3 .0624 FAU .01494
 FDE -.7158 FRA 1.3341 FC3 -.1716 BSP 5525
 BDE 1.1251 BRA 2.4798 BC3 .2398 FSP -236

MID-COURSE EXECUTION ACCURACY
 SGT 1780.3 SGR 483.5 SG3 90.1
 RRT .2110 RRF -.2183 RTF -.8630
 SGB 1844.8 R23 -.0230 R13 -.8635
 SGI 1783.5 SG2 471.8 TMA 3.53

ORBIT DETERMINATION ACCURACY
 ST 803.8 SR 382.7 SS 716.8
 CRT -.6424 CRS -.7396 CST .9904
 LSA 1108.2 MSA 279.0 SSA 17.0
 EL1 845.4 EL2 278.8 ALF 160.83

LAUNCH DATE APR 22 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 10 1967

HELIOCENTRIC CONIC

DISTANCE 245.249

RL 150.36 LAL -.00 LOL 211.19 VL 24.226 GAL 14.28 AZL 92.53 MCA 93.16 SMA 112.63 ECC .40776 INC 2.5262 V1 29.633
 RP 108.94 LAP -2.52 LOP 304.35 VP 35.471 GAP -24.00 AZP 89.86 TAL 157.05 TAP 250.21 RCA 66.70 APO 158.55 V2 34.786
 RC 51.183 GL -7.13 GP 5.32 ZAL 48.68 ZAP 10.84 ETS 210.92 ZAE 146.96 ETE 156.77 ZAC 128.11 ETC 24.59 CLP 9.46

PLANETOCENTRIC CONIC

C3 69.497 VML 8.336 DLA .12 RAL 161.52 RAD 6569.3 VEL 13.815 PTH 2.52 VMP 14.715 DPA 24.55 RAP 138.69 ECC 2.1437
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 8 33 2526.49 -25.71 62.24 44.63 102.29 8 50 39 1926.5 -23.76 54.11
 90.00 20 8 23 5162.94 25.60 230.66 44.53 77.47 21 34 26 4562.9 23.62 222.56
 100.00 9 29 56 2265.93 -27.12 42.58 44.28 103.09 10 7 40 1663.9 -25.04 34.39
 100.00 21 29 40 4900.74 27.00 211.02 44.17 76.67 22 51 21 4300.7 24.90 202.86
 110.00 10 38 19 2049.90 -30.91 25.23 43.18 105.38 11 12 29 1449.9 -28.49 16.86
 110.00 22 37 47 4687.53 30.80 193.72 43.05 74.37 23 55 55 4087.5 28.35 185.38

DIFFERENTIAL CORRECTIONS

TOE .9784 TRA-2.4401 TC3 -.2323 BAU .2255
 ROE -.5249 RRA -.4241 RC3 .0704 FAU .01543
 FDE -.7515 FRA 1.3785 FC3 -.1922 BSP 5769
 BDE 1.1103 BRA 2.4766 BC3 .2427 FSP -257

MID-COURSE EXECUTION ACCURACY

SGT 1847.9 SGR 478.4 SG3 97.3
 RRT .2270 RRF -.2566 RTF -.8712
 SGB 1908.8 R23 -.0261 R13 -.8717
 SG1 1851.3 SG2 465.1 TMA 3.59

ORBIT DETERMINATION ACCURACY

ST 839.9 SR 371.2 SS 749.6
 CRT -.6371 CRS -.7376 CST .9899
 LSA 1152.9 MSA 275.2 SSA 17.1
 EL1 876.4 EL2 274.2 ALF 162.51

LAUNCH DATE APR 22 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 251.909

RL 150.36 LAL -.00 LOL 211.19 VL 24.477 GAL 13.71 AZL 92.66 MCA 96.32 SMA 113.81 ECC .39184 INC 2.6599 V1 29.633
 RP 108.94 LAP -2.64 LOP 307.52 VP 35.641 GAP -22.95 AZP 89.71 TAL 156.50 TAP 258.82 RCA 69.21 APO 158.40 V2 34.784
 RC 49.723 GL -7.92 GP 5.64 ZAL 48.29 ZAP 9.90 ETS 216.19 ZAE 148.45 ETE 153.87 ZAC 126.28 ETC 24.01 CLP 8.15

PLANETOCENTRIC CONIC

C3 64.126 VML 8.008 DLA -.79 RAL 161.67 RAD 6569.2 VEL 13.619 PTH 2.49 VMP 14.120 DPA 24.35 RAP 140.73 ECC 2.0553
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 15 53 2478.96 -24.98 58.95 42.98 103.78 8 57 12 1879.0 -22.84 50.93
 90.00 20 2 11 5172.04 25.73 231.30 43.65 77.76 21 28 23 4572.0 23.79 223.17
 100.00 9 36 51 2217.78 -26.36 39.35 42.60 104.63 10 13 49 1617.8 -24.09 31.29
 100.00 21 23 54 4908.47 27.12 211.57 43.30 76.93 22 45 42 4308.5 25.05 203.38
 110.00 10 44 15 2008.80 -30.09 22.14 41.40 107.04 11 17 42 1406.8 -27.47 13.93
 110.00 22 32 59 4692.22 30.88 194.06 42.21 74.56 23 51 11 4092.2 28.45 185.70

DIFFERENTIAL CORRECTIONS

TOE .9841 TRA-2.4367 TC3 -.2312 BAU .2095
 ROE -.4854 RRA -.4120 RC3 .0793 FAU .01595
 FDE -.7902 FRA 1.4253 FC3 -.2154 BSP 6022
 BDE 1.0973 BRA 2.4713 BC3 .2444 FSP -280

MID-COURSE EXECUTION ACCURACY

SGT 1916.5 SGR 473.0 SG3 105.1
 RRT .2454 RRF -.2575 RTF -.8790
 SGB 1974.0 R23 -.0297 R13 -.8796
 SG1 1920.3 SG2 457.6 TMA 3.67

ORBIT DETERMINATION ACCURACY

ST 877.2 SR 358.4 SS 784.3
 CRT -.6308 CRS -.7345 CST .9894
 LSA 1199.9 MSA 270.7 SSA 17.2
 EL1 908.8 EL2 268.5 ALF 164.13

LAUNCH DATE APR 22 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 258.592

RL 150.36 LAL -.00 LOL 211.19 VL 24.711 GAL 13.16 AZL 92.80 MCA 99.48 SMA 114.94 ECC .37662 INC 2.7953 V1 29.633
 RP 108.94 LAP -2.76 LOP 310.68 VP 35.802 GAP -21.93 AZP 89.54 TAL 155.98 TAP 255.45 RCA 71.65 APO 158.23 V2 34.784
 RC 48.377 GL -8.77 GP 6.00 ZAL 47.97 ZAP 9.08 ETS 222.73 ZAE 149.98 ETE 150.51 ZAC 124.45 ETC 23.88 CLP 6.84

PLANETOCENTRIC CONIC

C3 59.235 VML 7.696 DLA -1.74 RAL 161.74 RAD 6569.1 VEL 13.438 PTH 2.46 VMP 13.543 DPA 24.16 RAP 142.77 ECC 1.9749
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 23 14 2430.31 -24.15 55.63 41.30 105.25 9 3 44 1830.3 -21.82 47.73
 90.00 19 55 27 5182.26 25.88 232.01 42.71 78.09 21 21 49 4582.3 23.98 223.86
 100.00 9 43 45 2170.53 -25.51 36.10 40.88 106.14 10 19 56 1570.5 -23.05 28.17
 100.00 21 17 36 4917.27 27.26 212.19 42.37 77.23 22 39 33 4317.3 25.23 203.98
 110.00 10 50 9 1962.72 -29.17 19.04 39.59 108.66 11 22 51 1362.7 -26.35 10.99
 110.00 22 27 42 4697.85 30.98 194.47 41.31 74.78 23 46 0 4097.8 28.58 186.09

DIFFERENTIAL CORRECTIONS

TOE .9900 TRA-2.4314 TC3 -.2282 BAU .1940
 ROE -.4464 RRA -.4008 RC3 .0891 FAU .01653
 FDE -.8322 FRA 1.4745 FC3 -.2416 BSP 6269
 BDE 1.0860 BRA 2.4642 BC3 .2449 FSP -305

MID-COURSE EXECUTION ACCURACY

SGT 1986.4 SGR 467.3 SG3 113.6
 RRT .2667 RRF -.2816 RTF -.8864
 SGB 2040.6 R23 -.0337 R13 -.8870
 SG1 1990.5 SG2 449.4 TMA 3.78

ORBIT DETERMINATION ACCURACY

ST 915.7 SR 344.2 SS 821.2
 CRT -.6229 CRS -.7300 CST .9889
 LSA 1249.2 MSA 265.6 SSA 17.2
 EL1 942.6 EL2 261.6 ALF 165.70

LAUNCH DATE APR 22 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 265.294

RL 150.36 LAL -.00 LOL 211.19 VL 24.931 GAL 12.63 AZL 92.93 MCA 102.63 SMA 116.04 ECC .36210 INC 2.9332 V1 29.633
 RP 108.94 LAP -2.86 LOP 313.84 VP 35.954 GAP -20.95 AZP 89.36 TAL 155.49 TAP 258.12 RCA 74.02 APO 158.06 V2 34.784
 RC 47.155 GL -9.68 GP 8.39 ZAL 47.73 ZAP 8.43 ETS 230.67 ZAE 151.50 ETE 146.60 ZAC 122.61 ETC 22.98 CLP 5.51

PLANETOCENTRIC CONIC

C3 54.790 VML 7.402 DLA -2.73 RAL 161.75 RAD 6569.0 VEL 13.272 PTH 2.43 VMP 12.985 DPA 23.99 RAP 144.80 ECC 1.9017
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 30 37 2380.42 -23.22 52.27 39.59 106.68 9 10 18 1780.4 -20.71 44.49
 90.00 19 48 7 5193.87 26.04 232.82 41.73 78.46 21 14 41 4593.9 24.19 224.64
 100.00 9 50 41 2122.13 -24.55 32.82 39.14 107.61 10 26 3 1522.1 -21.91 25.02
 100.00 21 10 44 4927.39 27.41 212.90 41.41 77.57 22 32 51 4327.4 25.42 204.66
 110.00 10 56 1 1917.64 -28.15 15.93 37.76 110.25 11 27 58 1317.6 -25.13 8.05
 110.00 22 21 54 4704.64 31.10 194.96 40.38 75.05 23 40 19 4104.6 28.74 186.56

DIFFERENTIAL CORRECTIONS

TOE .9966 TRA-2.4259 EC3 -.2231 BAU .1790
 ROE -.4076 RRA -.3907 RC3 .0998 FAU .01716
 FDE -.8781 FRA 1.5264 FC3 -.2711 BSP 6523
 BDE 1.0767 BRA 2.4552 BC3 .2444 FSP -333

MID-COURSE EXECUTION ACCURACY

SGT 2037.3 SGR 461.6 SG3 122.9
 RRT .2912 RRF -.3092 RTF -.8934
 SGB 2108.5 R23 -.0382 R13 -.8941
 SG1 2061.9 SG2 440.6 TMA 3.92

ORBIT DETERMINATION ACCURACY

ST 955.4 SR 328.4 SS 860.3
 CRT -.6129 CRS -.7235 CST .9885
 LSA 1301.1 MSA 260.0 SSA 17.2
 EL1 977.9 EL2 253.5 ALF 167.23

LAUNCH DATE APR 22 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 272.012

RL 150.36 LAL -.00 LOL 211.19 VL 25.136 GAL 12.13 AZL 93.07 MCA 105.79 SMA 117.09 ECC .34827 INC 3.0746 V1 29.633
 RP 108.94 LAP -2.96 LOP 317.01 VP 36.098 GAP -20.00 AZP 89.16 TAL 155.03 TAP 260.82 RCA 76.31 APO 157.87 V2 34.785
 RC 46.068 GL -10.66 GP 6.84 ZAL 47.55 ZAP 8.00 ETS 240.01 ZAE 152.97 ETE 142.05 ZAC 120.76 ETC 22.53 CLP 4.16

PLANETOCENTRIC CONIC

C3 50.757 VML 7.124 DLA -3.77 RAL 161.69 RAD 6568.9 VEL 13.119 PTH 2.40 VMP 12.445 DPA 23.86 RAP 146.83 ECC 1.8353
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 38 6 2329.24 -22.18 48.88 37.86 108.07 9 16 55 1729.2 -19.50 41.23
 90.00 19 40 8 5207.15 -26.22 233.75 40.72 78.90 21 6 55 4607.2 24.42 225.55
 100.00 9 57 41 2072.53 -23.49 29.52 37.38 109.04 10 32 13 1472.5 -20.68 21.86
 100.00 21 3 14 4939.10 27.58 213.73 40.41 77.98 22 25 33 4339.1 25.64 205.46
 110.00 11 1 53 1871.54 -27.02 12.81 35.93 111.78 11 33 4 1271.5 -23.83 5.11
 110.00 22 15 32 4712.85 31.24 195.56 39.41 75.37 23 34 4 4112.8 28.92 187.12

DIFFERENTIAL CORRECTIONS

TDE 1.0035 TRA-2.4145 TC3 -.2157 BAU .1648
 RDE -.3691 RRA -.3819 RC3 .1115 FAU .01784
 FDE -.9284 FRA 1.5814 FC3 -.3042 BSP 6770
 BOE 1.0692 BRA 2.4445 BC3 .2428 FSP -363

MID-COURSE EXECUTION ACCURACY

SGT 2129.0 SGR 456.2 SG3 133.0
 RRT .3198 RRF -.3412 RTF -.9000
 SGB 2177.3 R23 -.0433 R13 -.9007
 SG1 2134.2 SG2 431.2 THA 4.09

ORBIT DETERMINATION ACCURACY

ST 996.1 SR 310.9 SS 902.0
 CRT -.5996 CRS -.7141 CST .9880
 LSA 1355.6 MSA 254.1 SSA 17.2
 EL1 1014.5 EL2 244.3 ALF 168.74

LAUNCH DATE APR 22 1967

FLIGHT TIME 120.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 278.743

RL 150.36 LAL -.00 LOL 211.19 VL 25.329 GAL 11.64 AZL 93.22 MCA 108.95 SMA 118.10 ECC .33512 INC 3.2205 V1 29.633
 RP 108.93 LAP -3.05 LOP 320.17 VP 36.234 GAP -19.09 AZP 88.95 TAL 154.61 TAP 263.56 RCA 78.53 APO 157.68 V2 34.787
 RC 45.125 GL -11.72 GP 7.33 ZAL 47.46 ZAP 7.85 ETS 250.36 ZAE 154.34 ETE 136.77 ZAC 118.92 ETC 22.11 CLP 2.81

PLANETOCENTRIC CONIC

C3 47.109 VML 6.864 DLA -4.85 RAL 161.55 RAD 6568.8 VEL 12.980 PTH 2.37 VMP 11.922 DPA 23.76 RAP 148.86 ECC 1.7753
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 45 42 2276.70 -21.03 45.48 36.12 109.42 9 23 39 1676.7 -18.19 37.93
 90.00 19 31 26 5222.43 -26.41 234.83 39.68 79.40 20 58 29 4622.4 24.68 226.59
 100.00 10 4 46 2021.67 -22.32 26.20 35.62 110.42 10 30 28 1421.7 -19.34 18.67
 100.00 20 55 4 4952.70 27.77 214.70 39.38 78.46 22 17 36 4352.7 25.89 206.40
 110.00 11 7 47 1824.39 -25.79 9.70 34.09 113.25 11 30 11 1224.4 -22.42 2.17
 110.00 22 8 32 4722.74 31.41 196.28 38.42 75.77 23 27 15 4122.7 29.14 187.81

DIFFERENTIAL CORRECTIONS

TDE 1.0119 TRA-2.4024 TC3 -.2052 BAU .1511
 RDE -.3305 RRA -.3745 RC3 .1244 FAU .01859
 FDE -.9841 FRA 1.6396 FC3 -.3415 BSP 7021
 BOE 1.0645 BRA 2.4314 BC3 .2400 FSP -396

MID-COURSE EXECUTION ACCURACY

SGT 2200.9 SGR 451.3 SG3 144.1
 RRT .3528 RRF -.3779 RTF -.9063
 SGB 2246.7 R23 -.0492 R13 -.9071
 SG1 2206.8 SG2 421.2 THA 4.29

ORBIT DETERMINATION ACCURACY

ST 1038.4 SR 291.5 SS 946.8
 CRT -.5822 CRS -.7007 CST .9876
 LSA 1413.5 MSA 247.6 SSA 17.2
 EL1 1052.9 EL2 233.8 ALF 170.23

LAUNCH DATE APR 22 1967

FLIGHT TIME 122.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 285.483

RL 150.36 LAL -.00 LOL 211.19 VL 25.509 GAL 11.19 AZL 93.37 MCA 112.11 SMA 119.07 ECC .32262 INC 3.3720 V1 29.633
 RP 108.93 LAP -3.12 LOP 323.34 VP 36.362 GAP -18.20 AZP 88.73 TAL 154.22 TAP 266.33 RCA 80.66 APO 157.49 V2 34.790
 RC 44.335 GL -12.85 GP 7.89 ZAL 47.44 ZAP 8.01 ETS 260.99 ZAE 155.52 ETE 130.72 ZAC 117.07 ETC 21.72 CLP 1.43

PLANETOCENTRIC CONIC

C3 43.819 VML 6.620 DLA -5.99 RAL 161.34 RAD 6568.7 VEL 12.852 PTH 2.34 VMP 11.417 DPA 23.70 RAP 150.88 ECC 1.7212
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 53 30 2222.70 -19.76 42.00 34.39 110.70 9 30 33 1622.7 -16.77 34.60
 90.00 19 21 57 5240.06 26.63 236.08 38.62 79.99 20 49 17 4640.1 24.97 227.80
 100.00 10 12 0 1969.46 -21.04 22.85 33.86 111.73 10 44 49 1369.5 -17.91 15.46
 100.00 20 46 8 4968.54 27.98 215.83 38.34 79.01 22 8 56 4368.5 26.18 207.49
 110.00 11 13 45 1776.15 -24.46 6.59 32.27 114.66 11 43 21 1176.1 -20.93 359.22
 110.00 22 0 53 4734.62 31.61 197.15 37.42 76.25 23 19 47 4134.6 29.40 188.64

DIFFERENTIAL CORRECTIONS

TDE 1.0211 TRA-2.3889 TC3 -.1924 BAU .1388
 RDE -.2916 RRA -.3690 RC3 .1384 FAU .01939
 FDE -1.0456 FRA 1.7016 FC3 -.3830 BSP 7266
 BOE 1.0619 BRA 2.4172 BC3 .2370 FSP -432

MID-COURSE EXECUTION ACCURACY

SGT 2273.4 SGR 447.6 SG3 156.2
 RRT .3910 RRF -.4201 RTF -.9122
 SGB 2317.0 R23 -.0559 R13 -.9131
 SG1 2280.3 SG2 410.7 THA 4.55

ORBIT DETERMINATION ACCURACY

ST 1081.8 SR 270.2 SS 994.7
 CRT -.5577 CRS -.6810 CST .9873
 LSA 1474.5 MSA 241.0 SSA 17.1
 EL1 1092.7 EL2 222.0 ALF 171.73

LAUNCH DATE APR 22 1967

FLIGHT TIME 124.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 292.230

RL 150.36 LAL -.00 LOL 211.19 VL 25.877 GAL 10.75 AZL 93.53 MCA 115.27 SMA 120.00 ECC .31078 INC 3.5305 V1 29.633
 RP 108.92 LAP -3.19 LOP 326.50 VP 36.483 GAP -17.34 AZP 88.49 TAL 153.87 TAP 269.14 RCA 82.71 APO 157.29 V2 34.793
 RC 43.707 GL -14.06 GP 8.51 ZAL 47.52 ZAP 8.51 ETS 271.00 ZAE 156.44 ETE 123.92 ZAC 115.21 ETC 21.37 CLP .03

PLANETOCENTRIC CONIC

C3 40.864 VML 6.392 DLA -7.19 RAL 161.05 RAD 6568.6 VEL 12.737 PTH 2.32 VMP 10.930 DPA 23.70 RAP 152.90 ECC 1.6725
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 1 32 2167.10 -18.39 38.50 32.68 111.92 9 37 39 1567.1 -15.25 31.22
 90.00 19 11 35 5260.43 26.86 237.52 37.55 80.68 20 39 15 4660.4 25.30 229.20
 100.00 10 19 26 1915.79 -19.65 19.47 32.12 112.99 10 51 22 1315.8 -16.37 12.21
 100.00 20 36 22 4986.99 28.21 217.15 37.29 79.67 21 59 29 4387.0 26.49 208.77
 110.00 11 19 49 1726.75 -23.02 3.47 30.48 116.00 11 48 36 1126.7 -19.34 356.27
 110.00 21 52 28 4748.80 31.83 198.19 36.42 76.83 23 11 37 4148.8 29.69 189.64

DIFFERENTIAL CORRECTIONS

TDE 1.0318 TRA-2.3723 TC3 -.1772 BAU .1281
 RDE -.2520 RRA -.3655 RC3 .1537 FAU .02027
 FDE -1.1146 FRA 1.7670 FC3 -.4295 BSP 7506
 BOE 1.0621 BRA 2.4003 BC3 .2345 FSP -472

MID-COURSE EXECUTION ACCURACY

SGT 2345.1 SGR 445.7 SG3 169.5
 RRT .4345 RRF -.4681 RTF -.9175
 SGB 2387.1 R23 -.0638 R13 -.9185
 SG1 2353.3 SG2 400.0 THA 4.86

ORBIT DETERMINATION ACCURACY

ST 1126.3 SR 246.7 SS 1046.3
 CRT -.5227 CRS -.6517 CST .9869
 LSA 1539.2 MSA 234.1 SSA 17.0
 EL1 1134.0 EL2 208.9 ALF 173.24

LAUNCH DATE APR 22 1967

FLIGHT TIME 126.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 298.981

RL 150.36 LAL -.00 LOL 211.19 VL 25.833 GAL 10.33 AZL 93.70 MCA 118.43 SMA 120.88 ECC .29956 INC 3.6975 V1 29.633
 RP 108.90 LAP -3.25 LOP 329.67 VP 36.597 GAP -16.51 AZP 88.24 TAL 153.55 TAP 271.98 RCA 84.67 APO 157.09 V2 34.797
 RC 43.245 GL -15.37 GP 9.22 ZAL 47.69 ZAP 9.33 ETS 279.77 ZAE 157.02 ETE 116.49 ZAC 113.36 ETC 21.04 CLP -1.40

PLANETOCENTRIC CONIC

C3 38.222 VHL 6.182 DLA -8.45 RAL 160.67 RAD 6568.5 VEL 12.633 PTM 2.29 VMP 10.460 DPA 23.77 RAP 154.93 ECC 1.6290
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 9 54 2109.74 -16.89 34.95 30.99 113.07 9 45 4 1509.7 -13.63 27.80
 90.00 19 0 14 5284.05 27.11 239.21 36.49 81.49 20 28 18 4684.0 25.65 230.84
 100.00 10 27 9 1860.54 -18.15 16.05 30.41 114.17 10 58 10 1260.5 -14.73 8.93
 100.00 20 25 40 5008.48 28.46 218.70 36.25 80.45 21 49 8 4408.5 26.85 210.27
 110.00 11 26 3 1676.12 -21.48 .36 28.71 117.26 11 53 59 1076.1 -17.65 353.31
 110.00 21 43 15 4765.67 32.09 199.44 35.43 77.53 23 2 41 4165.7 30.04 190.83

DIFFERENTIAL CORRECTIONS

TOE 1.0488 TRA-2.3509 TC3 -.1539 BAU .1173
 ROE -.2116 RRA -.3644 RC3 .1703 FAU .02126
 FOE-1.1925 FRA 1.8359 FC3 -.4816 BSP 7837
 BOE 1.0699 BRA 2.3790 BC3 .2295 FSP -518

MID-COURSE EXECUTION ACCURACY

SGT 2415.1 SGR 446.4 SG3 184.0
 RRT .4835 RRF -.5216 RTF -.9235
 SGB 2456.0 R23 -.0722 R13 -.9247
 SGI 2425.0 SG2 389.2 TMA 5.24

ORBIT DETERMINATION ACCURACY

ST 1175.4 SR 221.3 SS 1102.4
 CRT -.4726 CRS -.6065 CST .9870
 LSA 1610.7 MSA 226.2 SSA 16.8
 EL1 1180.1 EL2 194.2 ALF 174.77

LAUNCH DATE APR 22 1967

FLIGHT TIME 128.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 305.733

RL 150.36 LAL -.00 LOL 211.19 VL 25.979 GAL 9.94 AZL 93.87 MCA 121.59 SMA 121.72 ECC .28897 INC 3.8748 V1 29.633
 RP 108.89 LAP -3.30 LOP 332.84 VP 36.705 GAP -15.70 AZP 87.97 TAL 153.27 TAP 274.86 RCA 86.55 APO 156.89 V2 34.801
 RC 42.956 GL -16.78 GP 10.03 ZAL 47.95 ZAP 10.43 ETS 286.99 ZAE 157.17 ETE 108.69 ZAC 111.50 ETC 20.73 CLP -2.86

PLANETOCENTRIC CONIC

C3 35.876 VHL 5.990 DLA -9.79 RAL 160.21 RAD 6568.4 VEL 12.540 PTM 2.27 VMP 10.008 DPA 23.93 RAP 156.96 ECC 1.5904
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 18 42 2050.38 -15.28 31.35 29.34 114.14 9 52 53 1450.4 -11.89 24.31
 90.00 18 47 45 5311.40 27.37 241.17 35.44 82.44 20 16 17 4711.4 26.04 232.75
 100.00 10 35 13 1803.52 -16.52 12.60 28.74 115.27 11 5 17 1203.5 -12.98 5.59
 100.00 20 13 55 5033.50 28.73 220.51 35.22 81.37 21 37 49 4433.5 27.24 212.02
 110.00 11 32 30 1624.16 -19.82 357.23 26.98 118.44 11 59 34 1024.2 -15.87 350.34
 110.00 21 33 8 4785.62 32.37 200.93 34.46 78.37 22 52 54 4185.6 30.43 192.25

DIFFERENTIAL CORRECTIONS

TOE 1.0648 TRA-2.3307 TC3 -.1314 BAU .1101
 ROE -.1895 RRA -.3681 RC3 .1883 FAU .02228
 FOE-1.2793 FRA 1.8397 FC3 -.5377 BSP 8086
 BOE 1.0782 BRA 2.3593 BC3 .2296 FSP -566

MID-COURSE EXECUTION ACCURACY

SGT 2486.1 SGR 451.1 SG3 199.8
 RRT .5381 RRF -.5805 RTF -.9285
 SGB 2526.7 R23 -.0819 R13 -.9299
 SGI 2498.2 SG2 378.4 TMA 5.71

ORBIT DETERMINATION ACCURACY

ST 1224.0 SR 194.2 SS 1162.6
 CRT -.3906 CRS -.5326 CST .9869
 LSA 1684.9 MSA 219.3 SSA 16.5
 EL1 1226.4 EL2 178.4 ALF 176.38

LAUNCH DATE APR 22 1967

FLIGHT TIME 130.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 312.485

RL 150.36 LAL -.00 LOL 211.19 VL 26.115 GAL 9.56 AZL 94.06 MCA 124.75 SMA 122.52 ECC .27897 INC 4.0646 V1 29.633
 RP 108.87 LAP -3.34 LOP 336.01 VP 36.806 GAP -14.91 AZP 87.68 TAL 153.02 TAP 277.77 RCA 88.34 APO 156.69 V2 34.806
 RC 42.841 GL -18.30 GP 10.95 ZAL 48.33 ZAP 11.77 ETS 292.72 ZAE 156.86 ETE 100.90 ZAC 109.65 ETC 20.45 CLP -4.35

PLANETOCENTRIC CONIC

C3 33.814 VHL 5.815 DLA -11.20 RAL 159.66 RAD 6568.3 VEL 12.457 PTM 2.25 VMP 9.575 DPA 24.19 RAP 159.01 ECC 1.5565
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 28 3 1988.74 -13.53 27.66 27.74 115.12 10 1 12 1388.7 -10.03 20.73
 90.00 18 34 1 5343.14 27.63 243.45 34.41 83.56 20 3 4 4743.1 26.45 234.98
 100.00 10 43 46 1744.48 -14.77 9.09 27.12 116.28 11 12 50 1144.5 -11.12 2.20
 100.00 20 0 59 5062.63 29.01 222.63 34.22 82.45 21 25 22 4462.6 27.66 214.08
 110.00 11 39 14 1570.73 -18.06 354.09 25.31 119.53 12 5 25 970.7 -13.99 347.34
 110.00 21 22 0 4809.15 32.68 202.70 33.53 79.37 22 42 9 4209.1 30.87 193.94

DIFFERENTIAL CORRECTIONS

TOE 1.0835 TRA-2.3086 TC3 -.1065 BAU .1055
 ROE -.1252 RRA -.3712 RC3 .2077 FAU .02337
 FOE-1.3777 FRA 1.9881 FC3 -.5984 BSP 8320
 BOE 1.0907 BRA 2.3382 BC3 .2334 FSP -618

MID-COURSE EXECUTION ACCURACY

SGT 2555.8 SGR 461.1 SG3 217.1
 RRT .5965 RRF -.6432 RTF -.9332
 SGB 2597.1 R23 -.0931 R13 -.9348
 SGI 2570.9 SG2 367.9 TMA 6.27

ORBIT DETERMINATION ACCURACY

ST 1274.3 SR 166.7 SS 1227.6
 CRT -.2539 CRS -.4055 CST .9868
 LSA 1764.4 MSA 212.5 SSA 16.2
 EL1 1275.0 EL2 161.2 ALF 178.07

LAUNCH DATE APR 22 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 319.234

RL 150.36 LAL -.00 LOL 211.19 VL 26.242 GAL 9.20 AZL 94.27 MCA 127.91 SMA 123.27 ECC .26955 INC 4.2697 V1 29.633
 RP 108.86 LAP -3.37 LOP 339.18 VP 36.902 GAP -14.16 AZP 87.37 TAL 152.81 TAP 280.72 RCA 90.04 APO 156.50 V2 34.812
 RC 42.900 GL -19.93 GP 12.01 ZAL 48.82 ZAP 13.35 ETS 297.14 ZAE 156.08 ETE 93.49 ZAC 107.78 ETC 20.19 CLP -5.88

PLANETOCENTRIC CONIC

C3 32.022 VHL 5.659 DLA -12.71 RAL 159.01 RAD 6568.3 VEL 12.385 PTM 2.24 VMP 9.160 DPA 24.57 RAP 161.07 ECC 1.5270
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 38 7 1924.40 -11.64 23.88 26.22 116.00 10 10 11 1324.4 -8.05 17.04
 90.00 18 18 47 5380.04 27.89 246.12 33.42 84.87 19 48 27 4780.0 26.88 237.60
 100.00 10 52 54 1683.11 -12.89 5.50 25.57 117.20 11 20 57 1083.1 -9.15 358.72
 100.00 19 46 41 5096.56 29.29 225.11 33.26 83.73 21 11 37 4496.6 28.11 216.51
 110.00 11 46 22 1515.65 -16.18 350.92 23.70 120.53 12 11 38 915.7 -12.01 344.30
 110.00 21 9 42 4836.78 33.01 204.79 32.66 80.57 22 30 19 4236.8 31.55 195.95

DIFFERENTIAL CORRECTIONS

TOE 1.1093 TRA-2.2811 TC3 -.0749 BAU .1031
 ROE -.0777 RRA -.3802 RC3 .2289 FAU .02459
 FOE-1.4906 FRA 2.0693 FC3 -.6849 BSP 8625
 BOE 1.1120 BRA 2.3125 BC3 .2408 FSP -678

MID-COURSE EXECUTION ACCURACY

SGT 2621.9 SGR 478.5 SG3 235.9
 RRT .6567 RRF -.7069 RTF -.9381
 SGB 2665.2 R23 -.1049 R13 -.9400
 SGI 2641.0 SG2 358.3 TMA 6.96

ORBIT DETERMINATION ACCURACY

ST 1328.9 SR 142.3 SS 1298.9
 CRT -.0225 CRS -.1807 CST .9870
 LSA 1852.3 MSA 205.3 SSA 15.7
 EL1 1328.9 EL2 142.3 ALF 179.86

LAUNCH DATE APR 22 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 325.978

RL 150.36 LAL -.00 LOL 211.19 VL 26.359 GAL 8.87 AZL 94.49 MCA 131.07 SMA 123.98 ECC .26071 INC 4.4933 V1 29.633
 RP 108.84 LAP -3.39 LOP 342.35 VP 36.991 GAP -13.42 AZP 87.04 TAL 152.62 TAP 283.70 RCA 91.66 APO 156.30 V2 34.819
 RC 43.133 GL -21.68 GP 13.23 ZAL 49.43 ZAP 15.15 ETS 300.47 ZAE 154.84 ETE 86.80 ZAC 105.91 ETC 19.94 CLP -7.45

PLANETOCENTRIC CONIC

C3 30.496 VHL 5.522 OLA -14.31 RAL 158.26 RAD 6568.2 VEL 12.324 PTH 2.22 VMP 8.765 DPA 25.10 RAP 163.17 ECC 1.5019
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 49 6 1856.81 -9.59 19.97 24.78 116.77 10 20 3 1256.8 -5.92 13.21
 90.00 18 1 48 5423.09 28.11 249.25 32.47 86.43 19 32 11 4823.1 27.32 240.67
 100.00 11 2 49 1618.97 -10.87 1.81 24.11 118.02 11 29 48 1019.0 -7.04 355.12
 100.00 19 30 46 5136.16 29.55 228.03 32.35 85.24 20 56 22 4536.2 28.57 219.36
 110.00 11 54 0 1458.70 -14.19 347.72 22.17 121.43 12 18 18 858.7 -9.92 341.21
 110.00 20 56 5 4869.20 33.34 207.26 31.85 81.99 22 17 15 4269.2 31.88 198.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1362 TRA-2.2551 TC3 -.0454 BAU .1042 SGT 2687.4 SGR 505.7 SG3 256.3 ST 1383.6 SR 129.6 SS 1375.2
 ROE -.0258 RRA -.3939 RC3 .2515 FAU .02580 RRT .7158 RRF -.7688 RTF -.9422 CRT .3354 CRS .1826 CST .9872
 FDE-1.6177 FRA 2.1556 FC3 -.7325 BSP 8846 SGB 2734.6 R23 -.1184 R13 -.9445 LSA 1944.8 MSA 199.6 SSA 15.2
 BDE 1.1365 BRA 2.2892 BC3 .2556 FSP -741 SGI 2712.1 SG2 349.9 TMA 7.80 EL1 1384.3 EL2 122.0 ALF 1.81

LAUNCH DATE APR 22 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 332.715

RL 150.36 LAL -.00 LOL 211.19 VL 26.468 GAL 8.55 AZL 94.74 MCA 134.24 SMA 124.65 ECC .25241 INC 4.7395 V1 29.633
 RP 108.81 LAP -3.39 LOP 345.52 VP 37.076 GAP -12.70 AZP 86.69 TAL 152.47 TAP 286.71 RCA 93.19 APO 156.11 V2 34.826
 RC 43.534 GL -23.58 GP 14.64 ZAL 50.18 ZAP 17.17 ETS 302.90 ZAE 153.21 ETE 81.03 ZAC 104.03 ETC 19.70 CLP -9.07

PLANETOCENTRIC CONIC

C3 29.234 VHL 5.407 OLA -16.01 RAL 157.40 RAD 6568.2 VEL 12.272 PTH 2.21 VMP 8.392 DPA 25.81 RAP 165.32 ECC 1.4811
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 1 21 1785.16 -7.37 15.88 23.46 117.42 10 31 6 1185.2 -3.64 9.19
 90.00 17 42 41 5473.56 28.27 252.93 31.57 88.27 19 13 55 4873.6 27.73 244.31
 100.00 11 13 47 1551.42 -8.68 357.99 22.75 118.72 11 39 38 951.4 -4.78 351.37
 100.00 19 12 56 5182.55 29.76 231.46 31.50 87.04 20 39 19 4582.5 29.03 222.73
 110.00 12 2 16 1399.52 -12.06 344.45 20.73 122.23 12 25 36 799.5 -7.72 338.04
 110.00 20 40 56 4907.19 33.67 210.18 31.13 83.69 22 2 43 4307.2 32.43 201.16

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1724 TRA-2.2236 TC3 -.0098 BAU .1079 SGT 2748.2 SGR 545.4 SG3 278.2 ST 1443.7 SR 141.1 SS 1459.0
 ROE .0324 RRA -.4129 RC3 .2760 FAU .02713 RRT .7708 RRF -.8252 RTF -.9466 CRT .7025 CRS .5839 CST .9876
 FDE-1.7649 FRA 2.2430 FC3 -.8034 BSP 9149 SGB 2801.8 R23 -.1318 R13 -.9493 LSA 2048.2 MSA 193.5 SSA 14.5
 BDE 1.1729 BRA 2.2616 BC3 .2762 FSP -812 SGI 2780.7 SG2 343.4 TMA 8.83 EL1 1447.1 EL2 100.2 ALF 3.95

LAUNCH DATE APR 22 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 339.443

RL 150.36 LAL -.00 LOL 211.19 VL 26.569 GAL 8.25 AZL 95.01 MCA 137.40 SMA 125.28 ECC .24464 INC 5.0139 V1 29.633
 RP 108.79 LAP -3.39 LOP 348.70 VP 37.155 GAP -12.01 AZP 86.30 TAL 152.35 TAP 289.75 RCA 94.63 APO 155.93 V2 34.834
 RC 44.099 GL -25.62 GP 16.29 ZAL 51.06 ZAP 19.43 ETS 304.60 ZAE 151.21 ETE 76.26 ZAC 102.12 ETC 19.47 CLP -10.74

PLANETOCENTRIC CONIC

C3 28.242 VHL 5.314 OLA -17.83 RAL 156.42 RAD 6568.1 VEL 12.232 PTH 2.20 VMP 8.042 DPA 26.75 RAP 167.53 ECC 1.4648
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 15 16 1708.22 -4.93 11.54 22.28 117.92 10 43 44 1108.2 -1.16 4.89
 90.00 17 20 55 5533.25 28.31 257.30 30.73 90.46 18 53 9 4933.2 28.08 248.64
 100.00 11 26 8 1479.56 -6.31 353.98 21.53 119.28 11 50 47 879.6 -2.36 347.41
 100.00 18 52 45 5237.14 29.88 235.51 30.72 89.17 20 20 2 4637.1 29.45 226.74
 110.00 12 11 25 1337.67 -9.79 341.09 19.41 122.91 12 33 43 737.7 -5.39 334.77
 110.00 20 23 57 4951.79 33.95 213.63 30.51 85.72 21 46 29 4351.8 32.98 204.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2235 TRA-2.1825 TC3 .0374 BAU .1152 SGT 2802.0 SGR 600.8 SG3 301.9 ST 1513.2 SR 183.7 SS 1552.2
 RDE .0995 RRA -.4379 RC3 .3028 FAU .02868 RRT .8197 RRF -.8734 RTF -.9516 CRT .9061 CRS .8334 CST .9886
 FDE-1.9378 FRA 2.3265 FC3 -.8793 BSP 9631 SGB 2865.7 R23 -.1428 R13 -.9548 LSA 2167.5 MSA 185.9 SSA 13.6
 BDE 1.2275 BRA 2.2260 BC3 .3051 FSP -898 SGT 2845.6 SG2 338.9 TMA 10.11 EL1 1522.4 EL2 77.2 ALF 6.29

LAUNCH DATE APR 22 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 346.161

RL 150.36 LAL -.00 LOL 211.19 VL 26.662 GAL 7.97 AZL 95.32 MCA 140.56 SMA 125.87 ECC .23738 INC 5.3236 V1 29.633
 RP 108.76 LAP -3.38 LOP 351.88 VP 37.229 GAP -11.33 AZP 85.88 TAL 152.25 TAP 292.81 RCA 95.99 APO 155.75 V2 34.842
 RC 44.820 GL -27.83 GP 18.23 ZAL 52.10 ZAP 21.96 ETS 305.69 ZAE 148.89 ETE 72.48 ZAC 100.18 ETC 19.23 CLP -12.46

PLANETOCENTRIC CONIC

C3 27.537 VHL 5.248 OLA -19.78 RAL 155.30 RAD 6568.1 VEL 12.203 PTH 2.19 VMP 7.719 DPA 27.95 RAP 169.84 ECC 1.4532
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 31 36 1624.03 -2.23 6.82 21.31 118.24 10 58 40 1024.0 1.56 .20
 90.00 16 55 41 5604.83 28.16 262.53 29.93 93.07 18 29 6 5004.8 28.29 233.87
 100.00 11 40 25 1401.97 -3.71 349.68 20.49 119.68 12 3 47 802.0 .27 343.16
 100.00 18 29 33 5302.12 29.85 240.34 30.01 91.71 19 57 55 4702.1 29.77 231.54
 110.00 12 21 43 1272.51 -7.36 337.61 18.24 123.47 12 42 56 672.5 -2.91 331.35
 110.00 20 4 44 5004.35 34.14 217.72 30.01 88.13 21 28 8 4484.3 33.50 208.54

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2849 TRA-2.1379 TC3 .0867 BAU .1261 SGT 2851.3 SGR 675.7 SG3 326.0 ST 1588.1 SR 254.7 SS 1653.2
 ROE .1785 RRA -.4701 RC3 .3315 FAU .03028 RRT .8607 RRF -.9120 RTF -.9564 CRT .9771 CRS .9377 CST .9897
 FDE-2.1366 FRA 2.4058 FC3 -.9520 BSP 10163 SGB 2930.3 R23 -.1515 R13 -.9603 LSA 2299.6 MSA 178.7 SSA 12.7
 BDE 1.2973 BRA 2.1890 BC3 .3426 FSP -993 SGI 2910.8 SG2 337.0 TMA 11.69 EL1 1607.5 EL2 53.5 ALF 8.92

LAUNCH DATE APR 22 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 352.876

RL 150.36 LAL -0.00 LOL 211.19 VL 26.748 GAL 7.70 AZL 95.68 MCA 143.73 SMA 126.42 ECC .23065 INC 5.6781 V1 29.633
 RP 108.74 LAP -3.36 LOP 355.05 VP 37.299 GAP -10.67 AZP 85.42 TAL 152.17 TAP 295.90 RCA .97.26 APO 155.58 V2 34.851
 RC 45.690 GL -30.22 GP 20.51 ZAL 53.31 ZAP 24.79 ETS 306.26 ZAE 146.26 ETE 69.61 ZAC 98.20 ETC 18.96 CLP -14.23

PLANETOCENTRIC CONIC

C3 27.155 VHL 5.211 DLA -21.86 RAL 154.04 RAD 6568.1 VEL 12.187 PTH 2.19 VHP 7.429 DPA 29.47 RAP 172.31 ECC 1.4469
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 51 36 1529.16 .83 1.53 20.63 -118.31 11 17 5 929.2 4.60 354.89
 90.00 16 25 39 5692.74 27.68 268.91 29.15 96.24 18 0 31 5092.7 28.25 260.30
 100.00 11 57 31 1316.37 -.81 344.98 19.72 119.88 12 19 28 716.4 3.17 338.46
 100.00 18 2 24 5380.76 29.55 246.17 29.36 94.76 19 32 5 4780.8 29.89 237.38
 110.00 12 33 38 1203.15 -4.75 333.95 17.27 123.89 12 53 42 603.2 -.26 327.74
 110.00 19 42 46 5066.75 34.17 222.59 29.63 91.01 21 7 13 4466.7 33.93 213.36

DIFFERENTIAL CORRECTIONS

TDE 1.2672 TRA-2.1825 TC3 .0003 BAU .1266
 RDE .2657 RRA -.5206 RC3 .3486 FAU .02880
 FDE-2.3005 FRA 2.5456 FC3 -.9182 BSP 8530
 BDE 1.2948 BRA 2.2438 BC3 .3486 FSP -959

MID-COURSE EXECUTION ACCURACY

SGT 2937.2 SGR 773.1 SG3 350.0
 RRT .8816 RRF -.9409 RTF -.9516
 SGB 3037.2 R23 -.1895 R13 -.9573
 SG1 3016.4 SG2 355.4 THA 13.25

ORBIT DETERMINATION ACCURACY

ST 1594.7 SR 348.0 SS 1724.3
 CRT .9979 CRS .9755 CST .9864
 LSA 2365.6 MSA 198.9 SSA 11.7
 EL1 1631.6 EL2 21.9 ALF 12.22

LAUNCH DATE APR 22 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 359.567

RL 150.36 LAL -0.00 LOL 211.19 VL 26.827 GAL 7.46 AZL 96.09 MCA 146.89 SMA 126.93 ECC .22437 INC 6.0905 V1 29.633
 RP 108.71 LAP -3.32 LOP 358.23 VP 37.365 GAP -10.03 AZP 84.89 TAL 152.13 TAP 299.02 RCA 98.45 APO 155.41 V2 34.860
 RC 46.700 GL -32.81 GP 23.23 ZAL 54.71 ZAP 27.99 ETS 308.41 ZAE 143.29 ETE 67.58 ZAC 96.15 ETC 18.66 CLP -16.06

PLANETOCENTRIC CONIC

C3 27.129 VHL 5.209 DLA -24.11 RAL 152.59 RAD 6568.1 VEL 12.186 PTH 2.19 VHP 7.175 DPA 31.38 RAP 174.97 ECC 1.4465
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 17 46 1415.74 4.47 355.19 20.38 117.99 11 41 22 815.7 8.18 348.48
 90.00 15 47 56 5805.69 26.58 277.00 28.25 100.14 17 24 41 5205.7 27.71 268.51
 100.00 12 19 3 1217.92 2.52 339.58 19.31 119.80 12 39 21 617.9 6.47 333.01
 100.00 17 29 20 5478.75 28.78 253.35 28.66 98.46 19 0 38 4878.8 29.65 244.65
 110.00 12 47 48 1127.76 -1.87 330.01 16.56 124.14 13 6 38 527.8 2.62 323.80
 110.00 19 17 4 5141.67 33.93 228.43 29.34 94.46 20 42 46 4541.7 34.17 219.19

DIFFERENTIAL CORRECTIONS

TDE 1.3781 TRA-2.1134 TC3 .0745 BAU .1404
 RDE .3845 RRA -.5708 RC3 .3799 FAU .03064
 FDE-2.5677 FRA 2.5894 FC3 -.9777 BSP 9595
 BDE 1.4288 BRA 2.1891 BC3 .3871 FSP -1085

MID-COURSE EXECUTION ACCURACY

SGT 2963.8 SGR 899.2 SG3 374.2
 RRT .9091 RRF -.9615 RTF -.9585
 SGB 3097.2 R23 -.1847 R13 -.9651
 SG1 3076.1 SG2 361.0 THA 15.64

ORBIT DETERMINATION ACCURACY

ST 1695.6 SR 470.7 SS 1844.8
 CRT .9996 CRS .9909 CST .9891
 LSA 2542.7 MSA 186.6 SSA 10.5
 EL1 1759.7 EL2 12.4 ALF 15.51

LAUNCH DATE APR 22 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 366.247

RL 150.36 LAL -0.00 LOL 211.19 VL 26.900 GAL 7.22 AZL 96.58 MCA 150.06 SMA 127.41 ECC .21857 INC 6.5797 V1 29.633
 RP 108.68 LAP -3.28 LOP 361.41 VP 37.426 GAP -9.41 AZP 84.29 TAL 152.10 TAP 302.16 RCA 99.56 APO 155.25 V2 34.870
 RC 47.841 GL -35.63 GP 26.48 ZAL 56.31 ZAP 31.61 ETS 306.18 ZAE 139.93 ETE 66.27 ZAC 94.01 ETC 18.27 CLP -17.93

PLANETOCENTRIC CONIC

C3 27.557 VHL 5.249 DLA -26.52 RAL 150.94 RAD 6568.1 VEL 12.204 PTH 2.19 VHP 6.972 DPA 33.76 RAP 177.95 ECC 1.4535
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 57 48 1260.55 9.35 346.40 20.97 116.85 12 18 49 660.5 12.88 339.50
 90.00 14 54 44 680.63 24.13 310.39 26.90 105.29 15 6 4 80.6 25.99 302.22
 100.00 12 48 50 1095.71 6.63 332.83 19.51 119.21 13 7 6 495.7 10.47 326.15
 100.00 16 46 23 5608.74 27.12 262.65 27.73 103.08 18 19 51 5008.7 28.65 254.18
 110.00 13 5 26 1043.61 1.35 325.62 16.24 124.16 13 22 50 443.6 5.82 319.39
 110.00 18 46 16 5233.60 33.21 235.51 29.08 98.59 20 13 30 4633.6 34.04 226.37

DIFFERENTIAL CORRECTIONS

TDE 1.4753 TRA-2.0728 TC3 .0992 BAU .1534
 RDE .5317 RRA -.6360 RC3 .4045 FAU .03104
 FDE-2.8417 FRA 2.6299 FC3 -.9751 BSP 9990
 BDE 1.5682 BRA 2.1682 BC3 .4165 FSP -1163

MID-COURSE EXECUTION ACCURACY

SGT 2999.4 SGR 1057.9 SG3 395.6
 RRT .9267 RRF -.9753 RTF -.9622
 SGB 3180.5 R23 -.1844 R13 -.9702
 SG1 3158.0 SG2 377.6 THA 18.37

ORBIT DETERMINATION ACCURACY

ST 1780.0 SR 625.4 SS 1956.3
 CRT .9981 CRS .9967 CST .9903
 LSA 2711.6 MSA 183.9 SSA 9.3
 EL1 1886.3 EL2 36.4 ALF 19.33

LAUNCH DATE APR 22 1967

FLIGHT TIME 148.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 372.910

RL 150.36 LAL -0.00 LOL 211.19 VL 26.966 GAL 7.01 AZL 97.17 MCA 153.23 SMA 127.85 ECC .21322 INC 7.1732 V1 29.633
 RP 108.64 LAP -3.22 LOP 364.40 VP 37.484 GAP -8.81 AZP 83.59 TAL 152.08 TAP 305.31 RCA 100.59 APO 155.10 V2 34.881
 RC 49.103 GL -38.70 GP 30.36 ZAL 58.16 ZAP 35.74 ETS 305.62 ZAE 136.10 ETE 65.56 ZAC 91.75 ETC 17.74 CLP -19.83

PLANETOCENTRIC CONIC

C3 28.576 VHL 5.346 DLA -29.11 RAL 149.04 RAD 6568.1 VEL 12.245 PTH 2.20 VHP 6.834 DPA 36.67 RAP 181.39 ECC 1.4703
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.93 12 20 11 1168.80 17.88 343.81 23.61 113.38 12 39 39 568.8 20.89 336.37
 97.07 14 17 10 790.49 17.80 316.07 23.62 113.35 14 30 21 190.5 20.91 308.62
 100.00 13 42 47 900.93 12.92 321.79 21.18 117.19 13 57 48 300.9 16.46 314.79
 100.00 15 37 15 5821.63 23.01 277.12 25.76 109.63 17 14 17 5221.6 25.47 269.19
 110.00 13 28 59 944.36 5.13 320.42 16.54 123.84 13 44 43 344.4 9.54 314.11
 110.00 18 7 33 5350.97 31.67 244.31 28.67 103.59 19 36 43 4751.0 33.22 235.43

DIFFERENTIAL CORRECTIONS

TDE 1.6023 TRA-2.0328 TC3 .1152 BAU .1676
 RDE .7230 RRA -.7140 RC3 .4233 FAU .03069
 FDE-3.1372 FRA 2.6290 FC3 -.9299 BSP 10429
 BDE 1.7578 BRA 2.1545 BC3 .4387 FSP -1228

MID-COURSE EXECUTION ACCURACY

SGT 3030.5 SGR 1254.1 SG3 411.6
 RRT .9397 RRF -.9843 RTF -.9656
 SGB 3279.7 R23 -.1781 R13 -.9753
 SG1 3255.3 SG2 399.4 THA 21.59

ORBIT DETERMINATION ACCURACY

ST 1873.2 SR 818.4 SS 2066.1
 CRT .9964 CRS .9989 CST .9915
 LSA 2900.8 MSA 181.7 SSA 8.1
 EL1 2043.2 EL2 63.9 ALF 23.55

LAUNCH DATE APR 22 1967

FLIGHT TIME 150.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 379.555

RL 150.36 LAL -.00 LOL 211.19 VL 27.027 GAL 6.82 AZL 97.91 HCA 156.39 SMA 128.25 ECC .20830 INC 7.9131 V1 29.633
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.538 GAP -8.21 AZP 82.74 TAL 152.08 TAP 308.47 RCA 101.54 APO 154.97 V2 34.891
 RC 50.476 GL -42.05 GP 35.03 ZAL 60.27 ZAP 40.47 ETS 304.77 ZAE 131.65 ETE 65.27 ZAC 120.61 ETC 255.61 CLP -21.71

PLANETOCENTRIC CONIC

C3 30.431 VHL 5.516 DLA -31.91 RAL 146.82 RAD 6568.2 VEL 12.321 PTH 2.22 VHP 6.789 DPA 40.20 RAP 185.53 ECC 1.5008
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.65 11 9 48 1380.04 19.02 .14 23.18 116.11 11 32 48 780.0 22.37 352.79
 105.35 15 9 49 610.75 19.03 303.19 23.19 116.10 15 20 0 10.7 22.38 295.84
 74.65 11 9 48 1380.04 19.02 .14 23.18 116.11 11 32 48 780.0 22.37 352.79
 105.35 15 9 49 610.75 19.03 303.19 23.19 116.10 15 20 0 10.7 22.38 295.84
 110.00 14 5 27 810.66 10.14 313.31 18.01 122.82 14 18 58 210.7 14.39 306.79
 110.00 17 13 21 5516.17 28.42 256.07 27.53 109.84 18 45 17 4916.2 30.86 247.72

DIFFERENTIAL CORRECTIONS

TDE 1.7719 TRA-1.9932 TC3 .1231 BAU .1825
 RDE .9773 RRA -.8034 RC3 .4313 FAU .02930
 FDE-3.4401 FRA 2.5640 FC3 -.8335 BSP 11004
 BDE 2.0235 BRA 2.1490 BC3 .4485 FSP -1272

MID-COURSE EXECUTION ACCURACY

SGT 3058.2 SGR 1490.9 SG3 418.4
 RRT .9496 RRF -.9900 RTF -.9690
 SGB 3402.2 R23 -.1651 R13 -.9804
 SG1 3375.8 SG2 423.5 THA 25.27

ORBIT DETERMINATION ACCURACY

ST 1980.4 SR 1057.1 SS 2167.5
 CRT .9954 CRS .9997 CST .9927
 LSA 3115.3 MSA 179.3 SSA 7.0
 EL1 2243.1 EL2 89.8 ALF 28.03

LAUNCH DATE APR 22 1967

FLIGHT TIME 152.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 386.181

RL 150.36 LAL -.00 LOL 211.19 VL 27.082 GAL 6.64 AZL 98.87 HCA 159.55 SMA 128.62 ECC .20382 INC 8.8678 V1 29.633
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.588 GAP -7.64 AZP 81.68 TAL 152.09 TAP 311.64 RCA 102.41 APO 154.84 V2 34.903
 RC 51.950 GL -45.71 GP 40.61 ZAL 62.69 ZAP 45.87 ETS 303.63 ZAE 126.44 ETE 65.18 ZAC 126.29 ETC 254.39 CLP -23.48

PLANETOCENTRIC CONIC

C3 33.567 VHL 5.794 DLA -34.89 RAL 144.19 RAD 6568.3 VEL 12.447 PTH 2.25 VHP 6.882 DPA 44.37 RAP 190.77 ECC 1.5524
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 68.70 10 22 1 1519.46 19.84 11.37 23.02 119.31 10 47 21 919.5 23.59 4.18
 111.30 15 36 37 5808.73 19.85 274.60 23.03 119.30 17 13 26 5208.7 23.60 267.40
 68.70 10 22 1 1519.46 19.84 11.37 23.02 119.31 10 47 21 919.5 23.59 4.18
 111.30 15 36 37 5808.73 19.85 274.60 23.03 119.30 17 13 26 5208.7 23.60 267.40
 68.70 10 22 1 1519.46 19.84 11.37 23.02 119.31 10 47 21 919.5 23.59 4.18
 111.30 15 36 37 5808.73 19.85 274.60 23.03 119.30 17 13 26 5208.7 23.60 267.40

DIFFERENTIAL CORRECTIONS

TDE 1.9978 TRA-1.9887 TC3 .1072 BAU .1932
 RDE 1.3187 RRA -.9025 RC3 .4169 FAU .02595
 FDE-3.7127 FRA 2.4209 FC3 -.6693 BSP 11486
 BDE 2.3938 BRA 2.1658 BC3 .4305 FSP -1257

MID-COURSE EXECUTION ACCURACY

SGT 3090.8 SGR 1765.8 SG3 410.8
 RRT .9563 RRF -.9933 RTF -.9717
 SGB 3559.7 R23 -.1493 R13 -.9849
 SG1 3530.9 SG2 451.9 THA 29.17

ORBIT DETERMINATION ACCURACY

ST 2100.1 SR 1344.4 SS 2244.5
 CRT .9949 CRS .9999 CST .9937
 LSA 3350.2 MSA 178.9 SSA 6.0
 EL1 2491.0 EL2 114.3 ALF 32.57

LAUNCH DATE APR 22 1967

FLIGHT TIME 154.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 392.782

RL 150.36 LAL -.00 LOL 211.19 VL 27.133 GAL 6.47 AZL 100.16 HCA 162.71 SMA 128.96 ECC .19974 INC10.1550 V1 29.633
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.635 GAP -7.08 AZP 80.29 TAL 152.10 TAP 314.81 RCA 103.20 APO 154.72 V2 34.914
 RC 53.515 GL -49.69 GP 47.23 ZAL 65.47 ZAP 51.99 ETS 302.10 ZAE 120.30 ETE 64.92 ZAC 132.99 ETC 252.46 CLP -24.94

PLANETOCENTRIC CONIC

C3 38.854 VHL 6.233 DLA -38.05 RAL 141.01 RAD 6568.5 VEL 12.658 PTH 2.30 VHP 7.191 DPA 49.09 RAP 197.79 ECC 1.6394
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.45 9 41 7 1640.09 20.09 21.24 23.13 123.02 10 8 27 1040.1 24.29 14.30
 116.55 15 52 11 5761.99 20.11 271.00 23.14 123.01 17 28 13 5162.0 24.31 264.06
 63.45 9 41 7 1640.09 20.09 21.24 23.13 123.02 10 8 27 1040.1 24.29 14.30
 116.55 15 52 11 5761.99 20.11 271.00 23.14 123.01 17 28 13 5162.0 24.31 264.06
 63.45 9 41 7 1640.09 20.09 21.24 23.13 123.02 10 8 27 1040.1 24.29 14.30
 116.55 15 52 11 5761.99 20.11 271.00 23.14 123.01 17 28 13 5162.0 24.31 264.06

DIFFERENTIAL CORRECTIONS

TDE 2.3347 TRA-1.9607 TC3 .0775 BAU .1971
 RDE 1.7845 RRA -.9977 RC3 .3715 FAU .02055
 FDE-3.9148 FRA 2.1723 FC3 -.4580 BSP 12088
 BDE 2.9386 BRA 2.2000 BC3 .3795 FSP -1181

MID-COURSE EXECUTION ACCURACY

SGT 3138.9 SGR 2064.3 SG3 383.5
 RRT .9615 RRF -.9953 RTF -.9747
 SGB 3756.9 R23 -.1301 R13 -.9888
 SG1 3726.4 SG2 477.8 THA 32.92

ORBIT DETERMINATION ACCURACY

ST 2253.2 SR 1677.2 SS 2285.1
 CRT .9950 CRS 1.0000 CST .9949
 LSA 3616.6 MSA 177.9 SSA 5.0
 EL1 2805.6 EL2 134.5 ALF 36.62

LAUNCH DATE APR 22 1967

FLIGHT TIME 156.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 399.353

RL 150.36 LAL -.00 LOL 211.19 VL 27.178 GAL 6.33 AZL 102.00 HCA 165.85 SMA 129.27 ECC .19608 INC11.9966 V1 29.633
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.679 GAP -6.54 AZP 78.36 TAL 152.11 TAP 317.97 RCA 103.93 APO 154.62 V2 34.926
 RC 55.163 GL -53.98 GP 54.94 ZAL 68.67 ZAP 58.80 ETS 299.74 ZAE 113.07 ETE 63.73 ZAC 140.80 ETC 249.10 CLP -25.60

PLANETOCENTRIC CONIC

C3 48.187 VHL 6.942 DLA -41.28 RAL 137.10 RAD 6568.8 VEL 13.021 PTH 2.38 VHP 7.861 DPA 54.01 RAP 207.70 ECC 1.7930
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.60 9 2 58 1758.21 19.37 30.65 23.47 127.20 9 32 16 1158.2 24.07 24.09
 121.40 15 59 7 5752.25 19.39 269.65 23.49 127.19 17 34 59 5152.3 24.09 263.09
 58.60 9 2 58 1758.21 19.37 30.65 23.47 127.20 9 32 16 1158.2 24.07 24.09
 121.40 15 59 7 5752.25 19.39 269.65 23.49 127.19 17 34 59 5152.3 24.09 263.09
 58.60 9 2 58 1758.21 19.37 30.65 23.47 127.20 9 32 16 1158.2 24.07 24.09
 121.40 15 59 7 5752.25 19.39 269.65 23.49 127.19 17 34 59 5152.3 24.09 263.09

DIFFERENTIAL CORRECTIONS

TDE 2.8899 TRA-1.9900 TC3 .0345 BAU .1852
 RDE 2.4152 RRA-1.0576 RC3 .2854 FAU .01299
 FDE-3.9874 FRA 1.8159 FC3 -.2334 BSP 12827
 BDE 3.7663 BRA 2.2535 BC3 .2874 FSP -1032

MID-COURSE EXECUTION ACCURACY

SGT 3235.7 SGR 2341.0 SG3 333.7
 RRT .9655 RRF -.9962 RTF -.9784
 SGB 3993.7 R23 -.1096 R13 -.9922
 SG1 3962.6 SG2 498.1 THA 35.58

ORBIT DETERMINATION ACCURACY

ST 2473.8 SR 2023.8 SS 2272.1
 CRT .9955 CRS 1.0000 CST .9961
 LSA 3917.5 MSA 175.9 SSA 4.1
 EL1 3192.6 EL2 149.3 ALF 39.26

LAUNCH DATE APR 22 1967

FLIGHT TIME 158.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 405.882

RL 150.36 LAL -.00 LOL 211.19 VL 27.219 GAL 6.21 AZL 104.86 MCA 168.98 SMA 129.56 ECC .19283 INC14.8637 V1 29.633
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.720 GAP -6.01 AZP 75.40 TAL 152.10 TAP 321.08 RCA 104.57 APO 154.54 V2 34.938
 RC 56.885 GL -58.44 GP 63.67 ZAL 72.34 ZAP 66.09 ETS 294.85 ZAE 104.63 ETE 59.61 ZAC 76.78 ETC 3.89 CLP -23.96

PLANETOCENTRIC CONIC

C3 66.369 VML 8.147 DLA -44.35 RAL 132.21 RAD 6569.3 VEL 13.701 PTH 2.50 VMP 9.200 DPA 58.23 RAP 222.14 ECC 2.0923
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.32 8 25 53 1884.22 17.08 39.82 23.88 131.58 8 57 17 1284.2 22.28 33.78
 125.68 15 57 11 5783.29 17.09 270.41 23.89 131.57 17 33 34 5183.3 22.29 264.37
 54.32 8 25 53 1884.22 17.08 39.82 23.88 131.58 8 57 17 1284.2 22.28 33.78
 125.68 15 57 11 5783.29 17.09 270.41 23.89 131.57 17 33 34 5183.3 22.29 264.37
 54.32 8 25 53 1884.22 17.08 39.82 23.88 131.58 8 57 17 1284.2 22.28 33.78
 125.68 15 57 11 5783.29 17.09 270.41 23.89 131.57 17 33 34 5183.3 22.29 264.37

DIFFERENTIAL CORRECTIONS

TOE 3.9513 TRA-2.1170 TC3 -.0271 BAU .1414
 RDE 3.1890 RRA -.9930 RC3 .1570 FAU .00345
 FDE-3.8799 FRA 1.3922 FC3 -.0450 BSP 13488
 BDE 5.0776 BRA 2.3384 BC3 .1593 FSP -808

MID-COURSE EXECUTION ACCURACY

SGT 3472.7 SGR 2459.6 SG3 263.9
 RRT .9665 RRF -.9953 RTF -.9835
 SGB 4255.5 R23 -.0893 R13 -.9949
 SGI 4223.7 SG2 519.4 TMA 35.00

ORBIT DETERMINATION ACCURACY

ST 2848.3 SR 2261.9 SS 2193.4
 CRT .9958 CRS .9998 CST .9974
 LSA 4243.7 MSA 175.5 SSA 3.1
 EL1 3633.5 EL2 161.6 ALF 38.43

LAUNCH DATE APR 22 1967

FLIGHT TIME 160.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 412.336

RL 150.36 LAL -.00 LOL 211.19 VL 27.256 GAL 6.11 AZL 109.95 MCA 172.06 SMA 129.81 ECC .19003 INC19.9460 V1 29.633
 RP 108.43 LAP -2.70 LOP 23.72 VP 37.758 GAP -5.51 AZP 70.23 TAL 152.06 TAP 324.12 RCA 105.14 APO 154.48 V2 34.951
 RC 58.673 GL -62.50 GP 72.96 ZAL 76.53 ZAP 73.48 ETS 279.13 ZAE 94.76 ETE 44.07 ZAC 72.26 ETC 345.05 CLP -14.05

PLANETOCENTRIC CONIC

C3 108.829 VML 10.423 DLA -46.57 RAL 126.17 RAD 6570.1 VEL 15.165 PTH 2.72 VMP 11.960 DPA 59.93 RAP 242.22 ECC 2.7878
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.35 7 50 43 2023.43 12.48 48.24 24.06 135.24 8 24 26 1423.4 18.09 42.74
 128.65 15 44 9 5865.32 12.49 273.52 24.07 135.24 17 21 54 5265.3 18.10 268.02
 51.35 7 50 43 2023.43 12.48 48.24 24.06 135.24 8 24 26 1423.4 18.09 42.74
 128.65 15 44 9 5865.32 12.49 273.52 24.07 135.24 17 21 54 5265.3 18.10 268.02
 51.35 7 50 43 2023.43 12.48 48.24 24.06 135.24 8 24 26 1423.4 18.09 42.74
 128.65 15 44 9 5865.32 12.49 273.52 24.07 135.24 17 21 54 5265.3 18.10 268.02

DIFFERENTIAL CORRECTIONS

TOE 6.5328 TRA-2.4565 TC3 -.1157 BAU .1738
 RDE 3.3498 RRA -.3765 RC3 .0305 FAU-.00736
 FDE-3.6267 FRA .9843 FC3 .0587 BSP 14087
 BDE 7.3415 BRA 2.4852 BC3 .1197 FSP -559

MID-COURSE EXECUTION ACCURACY

SGT 4100.4 SGR 1867.0 SG3 185.5
 RRT .9391 RRF -.9731 RTF -.9923
 SGB 4505.5 R23 -.0629 R13 -.9975
 SGI 4466.8 SG2 589.0 TMA 23.59

ORBIT DETERMINATION ACCURACY

ST 3639.3 SR 1843.7 SS 2074.5
 CRT .9935 CRS .9976 CST .9990
 LSA 4572.8 MSA 191.0 SSA 1.9
 EL1 4075.4 EL2 186.7 ALF 26.78

LAUNCH DATE APR 22 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 418.609

RL 150.36 LAL -.00 LOL 211.19 VL 27.288 GAL 6.05 AZL 121.18 MCA 175.01 SMA 130.03 ECC .18785 INC31.1786 V1 29.633
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.793 GAP -5.06 AZP 58.92 TAL 151.91 TAP 326.92 RCA 105.61 APO 154.46 V2 34.964
 RC 60.521 GL -64.01 GP 78.52 ZAL 81.15 ZAP 80.37 ETS 219.40 ZAE 82.28 ETE 344.24 ZAC 65.51 ETC 280.28 CLP 32.76

PLANETOCENTRIC CONIC

C3 244.280 VML 15.629 DLA -45.79 RAL 119.57 RAD 6571.4 VEL 19.121 PTH 3.09 VMP 18.552 DPA 55.78 RAP 265.50 ECC 5.0202
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.39 7 28 10 2153.85 5.57 53.40 24.12 135.52 8 4 4 1553.9 11.24 48.11
 127.61 15 14 5 726.87 5.58 302.58 24.13 135.52 15 26 12 126.9 11.25 297.29
 52.39 7 28 10 2153.85 5.57 53.40 24.12 135.52 8 4 4 1553.9 11.24 48.11
 127.61 15 14 5 726.87 5.58 302.58 24.13 135.52 15 26 12 126.9 11.25 297.29
 52.39 7 28 10 2153.85 5.57 53.40 24.12 135.52 8 4 4 1553.9 11.24 48.11
 127.61 15 14 5 726.87 5.58 302.58 24.13 135.52 15 26 12 126.9 11.25 297.29

DIFFERENTIAL CORRECTIONS

TOE10.9037 TRA-1.5738 TC3 -.1983 BAU .8378
 RDE-4.5183 RRA 2.4796 RC3 .1627 FAU-.02228
 FDE-3.4858 FRA .7387 FC3 .0789 BSP 14393
 BDE11.8028 BRA 2.9368 BC3 .2565 FSP -351

MID-COURSE EXECUTION ACCURACY

SGT 4128.7 SGR 2168.3 SG3 117.3
 RRT -.8953 RRF .9333 RTF -.9955
 SGB 4663.4 R23 -.0013 R13 .9999
 SGI 4581.4 SG2 870.6 TMA 153.80

ORBIT DETERMINATION ACCURACY

ST 4004.9 SR 1702.0 SS 2056.8
 CRT -.9856 CRS -.9901 CST .9996
 LSA 4805.8 MSA 265.4 SSA .9
 EL1 4343.4 EL2 265.3 ALF 157.18

LAUNCH DATE APR 22 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 424.098

RL 150.36 LAL -.00 LOL 211.19 VL 27.317 GAL 6.15 AZL 156.33 MCA 177.32 SMA 130.23 ECC .18728 INC66.3260 V1 29.633
 RP 108.35 LAP -2.45 LOP 30.11 VP 37.826 GAP -4.81 AZP 23.70 TAL 151.28 TAP 328.60 RCA 105.84 APO 154.63 V2 34.977
 RC 82.420 GL -52.80 GP 61.15 ZAL 85.49 ZAP 85.64 ETS 182.50 ZAE 61.03 ETE 310.56 ZAC 50.43 ETC 231.63 CLP 80.94

PLANETOCENTRIC CONIC

C3 975.345 VML 31.231 DLA -32.88 RAL 116.73 RAD 6572.9 VEL 33.115 PTH 3.50 VMP 38.667 DPA 37.10 RAP 286.23 ECC17.0517
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.55 8 55 56 1987.39 -.19 34.98 27.01 122.88 9 29 3 1387.4 4.14 28.67
 107.45 13 23 36 1132.11 -.18 331.46 27.01 122.88 13 42 28 532.1 4.16 325.15
 72.55 8 55 56 1987.39 -.19 34.98 27.01 122.88 9 29 3 1387.4 4.14 28.67
 107.45 13 23 36 1132.11 -.18 331.46 27.01 122.88 13 42 28 532.1 4.16 325.15
 110.00 12 28 6 1303.03 -8.51 339.24 21.59 123.23 12 49 49 703.0 -4.08 332.95
 110.00 14 50 37 864.46 8.14 316.19 32.44 123.32 15 5 1 264.5 12.46 309.77

DIFFERENTIAL CORRECTIONS

TOE 8.9039 TRA .7848 TC3 -.1301 BAU 4.2766
 RDE-17.4764 RRA 5.3951 RC3 .3011 FAU-.07640
 FDE-4.1518 FRA 1.1290 FC3 .0878 BSP 12237
 BDE19.6139 BRA 5.4519 BC3 .3280 FSP -223

MID-COURSE EXECUTION ACCURACY

SGT 1832.6 SGR 3899.4 SG3 78.3
 RRT -.9185 RRF .9993 RTF -.9315
 SGB 4308.5 R23 -.0346 R13 .9993
 SGI 4257.1 SG2 663.6 TMA 113.97

ORBIT DETERMINATION ACCURACY

ST 1634.5 SR 3226.2 SS 2557.0
 CRT -.9900 CRS -.9999 CST .9918
 LSA 4424.3 MSA 208.3 SSA 1.5
 EL1 3610.7 EL2 205.7 ALF 116.73

LAUNCH DATE APR 22 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 433.770
 RL 150.36 LAL -.00 LOL 211.19 VL 27.342 GAL 5.52 AZL 42.41 MCA 183.14 SMA 130.41 ECC .18011 INC47.5876 V1 29.633
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.856 GAP -3.54 AZP 137.55 TAL 153.24 TAP 336.39 RCA 106.92 APO 153.90 V2 34.990
 RC 64.367 GL 60.26 GP -69.34 ZAL 84.65 ZAP 86.10 ETS 161.04 ZAE 81.12 ETE 42.07 ZAC 85.67 ETC 107.41 CLP 78.89

PLANETOCENTRIC CONIC

C3 535.512 VHL 23.141 DLA 70.60 RAL 181.28 RAD 6572.4 VEL 25.628 PTH 3.36 VMP 30.944 DPA -83.19 RAP 48.36 ECC 9.8132
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 22.17 22 9 59 5045.70 -2.03 246.72 90.58 19.41 23 34 4 4445.7 -9.57 244.45
 157.83 8 44 35 3288.79 -2.02 95.94 90.55 19.41 9 39 23 2688.8 -9.56 93.67
 22.17 22 9 59 5045.70 -2.03 246.72 90.58 19.41 23 34 4 4445.7 -9.57 244.45
 157.83 8 44 35 3288.79 -2.02 95.94 90.55 19.41 9 39 23 2688.8 -9.56 93.67
 22.17 22 9 59 5045.70 -2.03 246.72 90.58 19.41 23 34 4 4445.7 -9.57 244.45
 157.83 8 44 35 3288.79 -2.02 95.94 90.55 19.41 9 39 23 2688.8 -9.56 93.67

DIFFERENTIAL CORRECTIONS

TOE -2.5551 TRA -3.3196 TC3 -.1941 BAU 2.3879
 ROE .6433 RRA -4.9796 RC3 -.2712 FAU -.04202
 FDE .1086 FRA 1.2618 FC3 .0679 BSP 13285
 BOE 2.6349 BRA 5.9847 BC3 .3335 FSP -245

MID-COURSE EXECUTION ACCURACY

SGT 2707.5 SGR 3921.6 SG3 85.7
 RRT .9618 RRF -.9977 RTF -.9780
 SGB 4765.4 R23 -.0211 R13 -.9997
 SG1 4725.6 SG2 615.2 TMA 55.75

ORBIT DETERMINATION ACCURACY

ST 975.7 SR 1125.5 SS 758.2
 CRT .6619 CRS .9721 CST .8193
 LSA 1556.7 MSA 608.6 SSA .7
 EL1 1361.3 EL2 604.7 ALF 51.11

LAUNCH DATE APR 22 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 439.573
 RL 150.36 LAL -.00 LOL 211.19 VL 27.364 GAL 5.58 AZL 67.70 MCA 185.75 SMA 130.56 ECC .17954 INC22.3006 V1 29.633
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.884 GAP -3.22 AZP 112.20 TAL 152.79 TAP 336.53 RCA 107.12 APO 154.01 V2 35.003
 RC 66.358 GL 64.44 GP -82.79 ZAL 78.98 ZAP 83.20 ETS 88.74 ZAE 97.61 ETE 333.59 ZAC 97.93 ETC 40.35 CLP 19.42

PLANETOCENTRIC CONIC

C3 131.242 VHL 11.456 DLA 66.92 RAL 201.87 RAD 6570.4 VEL 15.893 PTH 2.81 VMP 15.994 DPA -70.40 RAP 112.32 ECC 3.1599
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 26.45 23 41 27 4848.15 -13.55 240.03 105.99 23.78 25 2 15 4248.1 -20.84 237.00
 153.55 9 57 24 3116.16 -13.54 93.82 105.97 23.78 10 49 20 2516.2 -20.83 90.80
 26.45 23 41 27 4848.15 -13.55 240.03 105.99 23.79 25 2 15 4248.1 -20.84 237.00
 153.55 9 57 24 3116.16 -13.54 93.82 105.97 23.78 10 49 20 2516.2 -20.83 90.80
 26.45 23 41 27 4848.15 -13.55 240.03 105.99 23.79 25 2 15 4248.1 -20.84 237.00
 153.55 9 57 24 3116.16 -13.54 93.82 105.97 23.78 10 49 20 2516.2 -20.83 90.80

DIFFERENTIAL CORRECTIONS

TOE 3.1489 TRA -3.6091 TC3 -.1651 BAU .2898
 ROE -.3224 RRA 1.1171 RC3 -.0037 FAU -.00538
 FDE -.9195 FRA 1.1611 FC3 .0335 BSP 15714
 BOE 3.1654 BRA 3.7780 BC3 .1651 FSP -424

MID-COURSE EXECUTION ACCURACY

SGT 4880.2 SGR 1434.0 SG3 134.2
 RRT -.9006 RRF .9140 RTF -.9993
 SGB 5086.6 R23 -.0004 R13 .9998
 SG1 5050.8 SG2 602.3 TMA 164.96

ORBIT DETERMINATION ACCURACY

ST 2094.7 SR 456.9 SS 883.7
 CRT -.3515 CRS -.3963 CST .9988
 LSA 2279.2 MSA 427.2 SSA 1.2
 EL1 2101.1 EL2 426.4 ALF 175.43

LAUNCH DATE APR 22 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 445.839
 RL 150.36 LAL -.00 LOL 211.19 VL 27.383 GAL 5.57 AZL 76.55 MCA 188.76 SMA 130.70 ECC .17850 INC13.4464 V1 29.633
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.909 GAP -2.79 AZP 103.30 TAL 152.62 TAP 341.37 RCA 107.37 APO 154.02 V2 35.016
 RC 68.382 GL 58.97 GP -78.53 ZAL 72.80 ZAP 81.32 ETS 45.91 ZAE 106.83 ETE 293.68 ZAC 103.21 ETC 3.54 CLP -40.61

PLANETOCENTRIC CONIC

C3 54.703 VHL 7.396 DLA 60.33 RAL 197.64 RAD 6569.0 VEL 13.269 PTH 2.42 VMP 10.660 DPA -61.68 RAP 122.49 ECC 1.9003
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 34.21 23 42 55 4622.66 -24.12 227.49 92.87 32.84 24 59 57 4022.7 -30.76 222.87
 145.79 9 22 10 2950.84 -24.11 90.23 92.86 32.84 10 11 21 2350.8 -30.75 85.61
 34.21 23 42 55 4622.66 -24.12 227.49 92.87 32.84 24 59 57 4022.7 -30.76 222.87
 145.79 9 22 10 2950.84 -24.11 90.23 92.86 32.84 10 11 21 2350.8 -30.75 85.61
 34.21 23 42 55 4622.66 -24.12 227.49 92.87 32.84 24 59 57 4022.7 -30.76 222.87
 145.79 9 22 10 2950.84 -24.11 90.23 92.86 32.84 10 11 21 2350.8 -30.75 85.61

DIFFERENTIAL CORRECTIONS

TOE 1.5526 TRA -1.5145 TC3 -.0044 BAU .1905
 ROE -.9934 RRA 2.7476 RC3 -.2604 FAU .01025
 FDE -.8400 FRA 1.5491 FC3 -.1622 BSP 16037
 BOE 1.8432 BRA 3.1374 BC3 .2605 FSP -697

MID-COURSE EXECUTION ACCURACY

SGT 2658.0 SGR 4385.5 SG3 217.9
 RRT -.9536 RRF .9964 RTF -.9739
 SGB 5128.1 R23 -.0014 R13 .9995
 SG1 5081.4 SG2 690.6 TMA 120.65

ORBIT DETERMINATION ACCURACY

ST 1397.2 SR 1502.2 SS 898.9
 CRT -.8780 CRS -.9816 CST .9532
 LSA 2181.9 MSA 506.1 SSA 2.1
 EL1 1988.4 EL2 505.2 ALF 132.64

LAUNCH DATE APR 22 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 452.206
 RL 150.36 LAL -.00 LOL 211.19 VL 27.398 GAL 5.56 AZL 80.85 MCA 191.87 SMA 130.81 ECC .17755 INC 9.1456 V1 29.633
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.933 GAP -2.34 AZP 98.95 TAL 152.50 TAP 344.37 RCA 107.58 APO 154.03 V2 35.029
 RC 70.443 GL 51.27 GP -72.41 ZAL 66.88 ZAP 80.71 ETS 31.27 ZAE 113.48 ETE 281.52 ZAC 106.64 ETC 354.81 CLP -57.71

PLANETOCENTRIC CONIC

C3 30.874 VHL 5.556 DLA 53.18 RAL 191.03 RAD 6568.2 VEL 12.339 PTH 2.22 VMP 8.120 DPA -55.14 RAP 127.31 ECC 1.5081
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 42.90 23 40 7 4431.20 -29.42 212.19 76.08 43.47 24 53 58 3831.2 -35.05 205.89
 137.10 8 32 12 2854.89 -29.40 86.36 76.06 43.46 9 19 47 2254.9 -35.04 80.07
 42.90 23 40 7 4431.20 -29.42 212.19 76.08 43.47 24 53 58 3831.2 -35.05 205.89
 137.10 8 32 12 2854.89 -29.40 86.36 76.06 43.46 9 19 47 2254.9 -35.04 80.07
 42.90 23 40 7 4431.20 -29.42 212.19 76.08 43.47 24 53 58 3831.2 -35.05 205.89
 137.10 8 32 12 2854.89 -29.40 86.36 76.06 43.46 9 19 47 2254.9 -35.04 80.07

DIFFERENTIAL CORRECTIONS

TOE .8182 TRA -.7830 TC3 -.0116 BAU .3145
 ROE -.7277 RRA 2.7326 RC3 -.7619 FAU .02378
 FDE -.7499 FRA 2.1126 FC3 -.6668 BSP 15949
 BOE 1.0950 BRA 2.8426 BC3 .7620 FSP -1048

MID-COURSE EXECUTION ACCURACY

SGT 1589.8 SGR 4836.3 SG3 327.4
 RRT -.9049 RRF .9985 RTF -.9197
 SGB 5090.8 R23 -.0010 R13 .9992
 SG1 5049.4 SG2 648.0 TMA 106.85

ORBIT DETERMINATION ACCURACY

ST 935.5 SR 1598.0 SS 938.1
 CRT -.8049 CRS -.9918 CST .8740
 LSA 2015.2 MSA 497.6 SSA 3.1
 EL1 1783.6 EL2 497.4 ALF 117.55

LAUNCH DATE APR 22 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 458.600

RL 150.36 LAL -1.00 LOL 211.19 VL 27.411 GAL 5.55 AZL 83.38 MCA 195.02 SMA 130.90 ECC .17681 INC 6.6195 V1 29.633
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.955 GAP -1.88 AZP 96.40 TAL 152.39 TAP 347.42 RCA 107.75 APO 154.04 V2 35.042
 RC 72.534 GL 43.29 GP -67.11 ZAL 61.63 ZAP 81.30 ETS 22.24 ZAE 118.75 ETE 274.32 ZAC 109.45 ETC 351.40 CLP -67.11

PLANETOCENTRIC CONIC

C3 21.034 VML 4.586 DLA 45.96 RAL 185.44 RAD 6567.9 VEL 11.934 PTM 2.12 VMP 6.673 DPA -49.66 RAP 129.91 ECC 1.3462
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.15 23 48 12 4263.84 -30.13 196.11 61.32 53.49 24 59 16 3663.8 -34.66 188.71
 127.85 7 39 31 2833.07 -30.12 84.90 61.30 53.48 8 26 45 2233.1 -34.65 77.51
 52.15 23 48 12 4263.84 -30.13 196.11 61.32 53.49 24 59 16 3663.8 -34.66 188.71
 127.85 7 39 31 2833.07 -30.12 84.90 61.30 53.48 8 26 45 2233.1 -34.65 77.51
 52.15 23 48 12 4263.84 -30.13 196.11 61.32 53.49 24 59 16 3663.8 -34.66 188.71
 127.85 7 39 31 2833.07 -30.12 84.90 61.30 53.48 8 26 45 2233.1 -34.65 77.51

DIFFERENTIAL CORRECTIONS

TOE .5101 TRA -1.3800 TC3 -.1400 BAU .3681
 RDE -.5566 RRA 2.6277 RC3-1.3016 FAU .03726
 FDE -.7642 FRA 2.7589 FC3-1.5335 BSP 15779
 BDE .7550 BRA 2.6550 BC3 1.3091 FSP -1457

MID-COURSE EXECUTION ACCURACY

SGT 942.8 SGR 4920.5 SG3 452.9
 RRT -.7576 RRF .9987 RTF -.7717
 SGB 5010.0 R23 .0050 R13 .9990
 SG1 4972.8 SG2 608.9 THA 98.39

ORBIT DETERMINATION ACCURACY

ST 669.4 SR 1578.6 SS 1019.4
 CRT -.6938 CRS -.9935 CST .7714
 LSA 1940.7 MSA 461.3 SSA 4.1
 EL1 1651.6 EL2 460.8 ALF 107.83

LAUNCH DATE APR 22 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 464.997

RL 150.36 LAL -1.00 LOL 211.19 VL 27.421 GAL 5.55 AZL 85.05 MCA 198.20 SMA 130.97 ECC .17630 INC 4.9547 V1 29.633
 RP 108.10 LAP -1.55 LOP 49.32 VP 37.974 GAP -1.42 AZP 94.71 TAL 152.27 TAP 350.47 RCA 107.88 APO 154.06 V2 35.056
 RC 74.652 GL 35.77 GP -62.50 ZAL 57.26 ZAP 82.93 ETS 15.12 ZAE 123.06 ETE 268.17 ZAC 112.08 ETC 349.52 CLP -74.54

PLANETOCENTRIC CONIC

C3 16.261 VML 4.033 DLA 39.10 RAL 181.10 RAD 6567.7 VEL 11.732 PTM 2.07 VMP 5.757 DPA -44.79 RAP 131.25 ECC 1.2676
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 61.83 0 15 15 4093.52 -28.14 179.68 49.97 61.65 1 23 28 3493.5 -31.69 171.82
 118.17 6 41 49 2882.75 -28.12 87.82 49.96 61.63 7 29 52 2282.8 -31.68 79.96
 61.83 0 15 15 4093.52 -28.14 179.68 49.97 61.65 1 23 28 3493.5 -31.69 171.82
 118.17 6 41 49 2882.75 -28.12 87.82 49.96 61.63 7 29 52 2282.8 -31.68 79.96
 61.83 0 15 15 4093.52 -28.14 179.68 49.97 61.65 1 23 28 3493.5 -31.69 171.82
 118.17 6 41 49 2882.75 -28.12 87.82 49.96 61.63 7 29 52 2282.8 -31.68 79.96

DIFFERENTIAL CORRECTIONS

TOE .3389 TRA -.0641 TC3 -.3798 BAU .3937
 RDE -.4988 RRA 2.5184 RC3-1.7708 FAU .05043
 FDE -.6879 FRA 3.4398 FC3-2.6848 BSP 15487
 BDE .6031 BRA 2.5192 BC3 1.8110 FSP -1890

MID-COURSE EXECUTION ACCURACY

SGT 582.6 SGR 4878.8 SG3 585.6
 RRT -.1565 RRF .9987 RTF -.1730
 SGB 4913.4 R23 .0147 R13 .9987
 SG1 4879.6 SG2 575.3 THA 91.09

ORBIT DETERMINATION ACCURACY

ST 482.9 SR 1554.9 SS 1130.5
 CRT -.5189 CRS -.9934 CST .6136
 LSA 1938.8 MSA 412.1 SSA 5.2
 EL1 1576.4 EL2 407.2 ALF 99.82

LAUNCH DATE APR 22 1967

FLIGHT TIME 178.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 471.387

RL 150.36 LAL -1.00 LOL 211.19 VL 27.429 GAL 5.57 AZL 86.23 MCA 201.38 SMA 131.02 ECC .17604 INC 3.7703 V1 29.633
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.992 GAP -.97 AZP 93.51 TAL 152.13 TAP 353.52 RCA 107.96 APO 154.09 V2 35.069
 RC 76.795 GL 28.99 GP -58.36 ZAL 53.78 ZAP 85.43 ETS 9.00 ZAE 126.61 ETE 262.08 ZAC 114.67 ETC 348.26 CLP -81.27

PLANETOCENTRIC CONIC

C3 13.719 VML 3.704 DLA 32.85 RAL 177.78 RAD 6567.5 VEL 11.623 PTM 2.04 VMP 5.140 DPA -40.32 RAP 131.78 ECC 1.2258
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.61 1 2 0 3876.05 -24.93 160.66 41.76 67.88 2 6 36 3276.0 -27.70 152.70
 107.39 5 28 33 3024.25 -24.91 97.39 41.76 67.87 6 18 57 2424.3 -27.69 89.44
 72.61 1 2 0 3876.05 -24.93 160.66 41.76 67.88 2 6 36 3276.0 -27.70 152.70
 107.39 5 28 33 3024.25 -24.91 97.39 41.76 67.87 6 18 57 2424.3 -27.69 89.44
 110.00 6 56 58 2752.20 -30.90 78.66 44.06 74.60 7 42 50 2152.2 -32.70 69.90
 110.00 4 32 45 3196.10 -19.21 107.73 38.83 61.17 5 26 1 2596.1 -22.91 100.54

DIFFERENTIAL CORRECTIONS

TOE .2110 TRA .2231 TC3 -.7098 BAU .4064
 RDE -.4935 RRA 2.4080 RC3-2.0991 FAU .06252
 FDE -1.0969 FRA 4.1191 FC3-3.9453 BSP 15076
 BDE .5368 BRA 2.4183 BC3 2.2159 FSP -2311

MID-COURSE EXECUTION ACCURACY

SGT 742.9 SGR 4760.2 SG3 717.4
 RRT .6759 RRF .9986 RTF .6646
 SGB 4817.8 R23 .0262 R13 .9983
 SG1 4787.0 SG2 544.4 THA 83.90

ORBIT DETERMINATION ACCURACY

ST 349.3 SR 1534.4 SS 1261.2
 CRT -.1577 CRS -.9929 CST .2742
 LSA 1984.1 MSA 360.9 SSA 6.3
 EL1 1535.4 EL2 344.7 ALF 92.16

LAUNCH DATE APR 22 1967

FLIGHT TIME 180.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 477.765

RL 150.36 LAL -1.00 LOL 211.19 VL 27.434 GAL 5.59 AZL 87.12 MCA 204.58 SMA 131.06 ECC .17602 INC 2.8805 V1 29.633
 RP 108.02 LAP -1.20 LOP 55.74 VP 38.008 GAP -.52 AZP 92.62 TAL 151.97 TAP 356.55 RCA 107.99 APO 154.13 V2 35.082
 RC 78.958 GL 23.03 GP -54.55 ZAL 51.11 ZAP 88.63 ETS 3.63 ZAE 129.47 ETE 255.74 ZAC 117.28 ETC 347.37 CLP -87.64

PLANETOCENTRIC CONIC

C3 12.303 VML 3.508 DLA 27.29 RAL 175.21 RAD 6567.5 VEL 11.562 PTM 2.02 VMP 4.712 DPA -36.13 RAP 131.79 ECC 1.2025
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 11 48 3208.89 -25.97 111.37 37.27 78.30 5 5 17 2608.9 -27.32 102.96
 90.00 1 58 17 3644.45 -16.88 139.96 34.21 66.92 2 59 2 3044.5 -19.86 132.55
 100.00 6 10 43 2825.58 -28.87 83.73 37.84 81.88 6 57 48 2225.6 -29.69 75.02
 100.00 2 42 4 3302.99 -14.21 128.30 32.93 63.42 3 40 27 2903.0 -17.66 121.21
 110.00 8 16 25 2432.19 -34.16 54.38 38.36 88.55 8 56 57 1832.2 -33.98 45.14
 110.00 2 52 51 3469.15 -9.60 123.04 30.24 57.03 3 50 40 2869.1 -13.88 116.55

DIFFERENTIAL CORRECTIONS

TOE .0944 TRA .4985 TC3-1.0910 BAU .4179
 RDE -.5137 RRA 2.2845 RC3-2.2947 FAU .07372
 FDE -1.3801 FRA 4.7459 FC3-5.1876 BSP 14801
 BDE .5223 BRA 2.3383 BC3 2.5409 FSP -2725

MID-COURSE EXECUTION ACCURACY

SGT 1203.8 SGR 4574.9 SG3 839.6
 RRT .8989 RRF .9984 RTF .8917
 SGB 4730.7 R23 .0391 R13 .9977
 SG1 4702.7 SG2 513.2 THA 76.53

ORBIT DETERMINATION ACCURACY

ST 316.1 SR 1514.5 SS 1406.9
 CRT .4554 CRS -.9924 CST -.3425
 LSA 2067.2 MSA 315.3 SSA 7.4
 EL1 1521.5 EL2 280.1 ALF 84.38

LAUNCH DATE APR 22 1967

FLIGHT TIME 182.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 484.128

RL 150.36 LAL -.00 LOL 211.19 VL 27.43R GAL 5.63 AZL 87.82 MCA 207.7R SMA 131.0R ECC .17624 INC 2.1840 V1 29.633
 RP 107.98 LAP -1.02 LOP 58.95 VP 38.022 GAP -.07 AZP 91.93 TAL 151.7R TAP 359.56 RCA 107.9R APO 154.19 V2 35.094
 RC 81.139 GL 17.86 GP -50.96 ZAL 49.09 ZAP 92.37 ETS 358.90 ZAE 131.69 ETE 249.14 ZAC 119.89 ETC 346.83 CLP -93.77

PLANETOCENTRIC CONIC

C3 11.516 VHL 3.394 CLA 22.43 RAL 173.23 RAD 6567.4 VEL 11.528 PTH 2.01 VHP 4.412 OPA -32.14 RAP 131.46 ECC 1.1895
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 36 42 2877.25 -28.32 87.47 33.27 89.98 6 24 39 2277.3 -28.02 78.82
 90.00 0 17 32 3948.30 -8.00 157.85 28.11 62.75 1 23 20 3348.3 -11.59 151.01
 100.00 7 14 25 2562.16 -29.83 64.26 33.24 92.04 7 57 7 1962.2 -29.23 55.51
 100.00 1 22 30 3738.63 -6.66 141.72 27.39 60.79 2 24 48 3138.6 -10.51 135.04
 110.00 8 56 26 2243.01 -33.50 39.67 32.89 97.21 9 33 49 1643.0 -32.14 30.70
 110.00 1 56 58 3630.54 -3.52 131.59 25.45 55.98 2 57 29 3030.5 -7.97 125.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0234 TRA .7650 TC3-1.4931 BAU .4299 SGT 1726.6 SGR 4339.1 SG3 945.8 ST 422.5 SR 1487.5 SS 1558.3
 RDE -.5365 RRA 2.1514 RC3-2.3595 FAU .08333 RRT .9547 RRF .9981 RTF .9492 CRT .8504 CRS -.9920 CST -.7776
 FDE-1.7044 FRA 5.2933 FC3-6.2642 BSP 14614 SGB 4670.0 R23 .0520 R13 .9968 LSA 2177.6 MSA 277.6 SSA 8.4
 BDE .5371 BRA 2.2834 BC3 2.7922 FSP -3100 SG1 4645.2 SG2 479.9 THA 68.96 EL1 1531.2 EL2 215.9 ALF 76.14

LAUNCH DATE APR 22 1967

FLIGHT TIME 184.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 490.475

RL 150.36 LAL -.00 LOL 211.19 VL 27.439 GAL 5.69 AZL 88.38 MCA 210.99 SMA 131.09 ECC .17670 INC 1.6207 V1 29.633
 RP 107.94 LAP -.83 LOP 62.17 VP 38.034 GAP .38 AZP 91.39 TAL 151.56 TAP 2.55 RCA 107.93 APO 154.26 V2 35.107
 RC 83.336 GL 13.40 GP -47.53 ZAL 47.58 ZAP 96.50 ETS 354.77 ZAE 133.28 ETE 242.40 ZAC 122.47 ETC 346.63 CLP -99.65

PLANETOCENTRIC CONIC

C3 11.113 VHL 3.334 CLA 18.19 RAL 171.68 RAD 6567.4 VEL 11.511 PTH 2.01 VHP 4.207 OPA -28.33 RAP 130.96 ECC 1.1829
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 20 5 2687.87 -27.55 73.69 29.56 96.84 7 4 52 2087.9 -26.31 65.24
 90.00 23 17 53 4122.93 -2.45 167.68 24.70 61.78 24 26 36 3522.9 -6.20 161.01
 100.00 7 52 15 2390.65 -28.74 51.64 29.38 98.59 8 32 5 1790.7 -27.26 43.15
 100.00 0 32 20 3895.38 -1.39 150.37 24.12 60.14 1 37 15 3295.4 -5.36 143.82
 110.00 9 24 8 2103.16 -38.81 29.12 28.70 103.24 9 59 11 1503.2 -29.66 20.57
 110.00 1 16 56 3755.64 1.26 138.12 22.46 55.84 2 19 31 3155.6 -3.24 131.91

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.1521 TRA 1.0235 TC3-1.8843 BAU .4424 SGT 2252.9 SGR 4064.9 SG3 1030.7 ST 615.1 SR 1445.0 SS 1703.1
 RDE -.5494 RRA 2.0134 RC3-2.3057 FAU .09049 RRT .9744 RRF .9977 RTF .9697 CRT .9627 CRS -.9916 CST -.9198
 FDE-2.0336 FRA 5.7446 FC3-7.0494 BSP 14471 SGB 4647.4 R23 .0632 R13 .9958 LSA 2303.3 MSA 248.5 SSA 9.4
 BDE .5701 BRA 2.2587 BC3 2.9777 FSP -3399 SG1 4626.1 SG2 445.2 THA 61.34 EL1 1562.9 EL2 153.9 ALF 67.48

LAUNCH DATE APR 22 1967

FLIGHT TIME 186.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 496.803

RL 150.36 LAL -.00 LOL 211.19 VL 27.43R GAL 5.76 AZL 88.85 MCA 214.20 SMA 131.09 ECC .17741 INC 1.1534 V1 29.633
 RP 107.91 LAP -.65 LOP 65.38 VP 38.045 GAP .83 AZP 90.95 TAL 151.32 TAP 5.52 RCA 107.83 APO 154.34 V2 35.119
 RC 85.546 GL 9.56 GP -44.25 ZAL 46.44 ZAP 100.86 ETS 351.22 ZAE 134.25 ETE 235.69 ZAC 124.93 ETC 346.82 CLP -105.26

PLANETOCENTRIC CONIC

C3 10.962 VHL 3.311 CLA 14.50 RAL 170.48 RAD 6567.4 VEL 11.504 PTH 2.00 VHP 4.075 OPA -24.69 RAP 130.38 ECC 1.1804
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 50 45 2548.57 -26.02 63.78 26.77 101.58 7 33 14 1948.6 -24.16 55.60
 90.00 22 37 38 4256.62 1.87 175.14 22.63 61.74 23 48 34 3656.6 -1.93 168.51
 100.00 8 19 52 2261.20 -27.07 42.39 26.51 103.18 8 57 33 1661.2 -24.99 34.21
 100.00 23 51 12 4019.22 2.81 157.16 22.11 60.23 24 58 12 3419.2 -1.18 150.64
 110.00 9 45 29 1993.32 -29.82 21.18 25.65 107.54 10 18 42 1393.3 -27.13 13.03
 110.00 0 46 1 3859.87 5.23 143.57 20.60 56.17 1 50 21 3259.9 .75 137.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.2869 TRA 1.2717 TC3-2.2439 BAU .4583 SGT 2760.7 SGR 3764.2 SG3 1090.9 ST 844.7 SR 1386.2 SS 1836.1
 RDE -.5524 RRA 1.8702 RC3-2.1782 FAU .09546 RRT .9831 RRF .9972 RTF .9790 CRT .9911 CRS -.9910 CST -.9645
 FDE-2.3521 FRA 6.0752 FC3-7.5393 BSP 14500 SGB 4668.1 R23 .0715 R13 .9947 LSA 2440.2 MSA 227.4 SSA 10.2
 BDE .6225 BRA 2.2616 BC3 3.1273 FSP -3630 SG1 4650.1 SG2 408.6 THA 53.88 EL1 1620.4 EL2 96.3 ALF 58.75

LAUNCH DATE APR 22 1967

FLIGHT TIME 188.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 503.113

RL 150.36 LAL -.00 LOL 211.19 VL 27.435 GAL 5.84 AZL 89.24 MCA 217.41 SMA 131.07 ECC .17836 INC .7570 V1 29.633
 RP 107.87 LAP -.46 LOP 68.60 VP 38.054 GAP 1.28 AZP 90.60 TAL 151.04 TAP 8.45 RCA 107.69 APO 154.45 V2 35.131
 RC 87.767 GL 6.25 GP -41.10 ZAL 45.55 ZAP 105.34 ETS 348.20 ZAE 134.66 ETE 229.23 ZAC 127.21 ETC 347.39 CLP -110.55

PLANETOCENTRIC CONIC

C3 10.990 VHL 3.315 CLA 11.28 RAL 169.56 RAD 6567.4 VEL 11.506 PTH 2.00 VHP 4.001 OPA -21.23 RAP 129.82 ECC 1.1809
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 14 49 2438.95 -24.30 56.21 24.77 104.99 7 55 28 1839.0 -22.01 48.29
 90.00 22 6 14 4367.30 5.41 181.34 21.42 62.16 23 19 2 3767.3 1.65 174.68
 100.00 8 41 50 2158.29 -25.27 35.27 24.47 106.52 9 17 49 1558.3 -22.77 27.37
 100.00 23 21 54 4123.19 6.30 162.91 20.94 60.72 24 30 37 3523.2 2.35 156.35
 110.00 10 2 57 1904.48 -27.84 15.03 23.51 110.69 10 34 41 1304.5 -24.77 7.21
 110.00 0 21 13 3949.77 8.61 148.34 19.52 56.79 1 27 2 3349.8 4.18 142.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.4273 TRA 1.5109 TC3-2.5517 BAU .4756 SGT 3240.0 SGR 3451.2 SG3 1125.3 ST 1089.1 SR 1308.9 SS 1947.5
 RDE -.5413 RRA 1.7297 RC3-1.9911 FAU .09756 RRT .9874 RRF .9964 RTF .9837 CRT .9986 CRS -.9900 CST -.9814
 FDE-2.6287 FRA 6.2940 FC3-7.6846 BSP 14608 SGB 4733.7 R23 .0755 R13 .9936 LSA 2578.1 MSA 212.7 SSA 11.0
 BDE .6897 BRA 2.2967 BC3 3.2366 FSP -3758 SG1 4718.9 SG2 374.6 THA 46.83 EL1 1702.1 EL2 44.5 ALF 50.25

LAUNCH DATE APR 22 1967

FLIGHT TIME 190.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 509.403

RL 150.36 LAL -.00 LOL 211.19 VL 27.431 GAL 5.94 AZL 89.58 MCA 220.63 SMA 131.04 ECC .17954 INC .4148 VI 29.633
 RP 107.83 LAP -.27 LOP 71.82 VP 38.062 GAP 1.72 AZP 90.32 TAL 150.73 TAP 11.36 RCA 107.51 APO 154.57 V2 35.143
 RC 89.996 GL 3.39 GP -38.11 ZAL 44.83 ZAP 109.82 ETS 345.66 ZAE 134.59 ETE 223.20 ZAC 129.26 ETC 348.33 CLP-115.53

PLANETOCENTRIC CONIC

C3 11.154 VML 3.340 DLA 8.47 RAL 168.87 RAD 6567.4 VEL 11.513 PTH 2.01 VMP 3.976 DPA -17.98 RAP 129.34 ECC 1.1836
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 34 46 2349.86 -22.60 50.24 23.43 107.52 8 13 56 1749.9 -20.00 42.54
 90.00 21 40 48 4462.48 8.41 186.73 20.83 62.86 22 55 10 3862.5 4.70 180.01
 100.00 9 0 13 2074.26 -23.53 29.64 23.10 108.99 9 34 48 1474.3 -20.72 21.97
 100.00 22 58 2 4213.31 9.27 167.95 20.37 61.45 24 8 15 3613.3 5.38 161.31
 110.00 10 17 50 1831.39 -25.98 10.16 22.06 113.04 10 48 21 1231.4 -22.64 2.60
 110.00 0 0 50 4028.95 11.53 152.61 19.02 57.60 1 7 59 3429.0 7.17 146.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.5739 TRA 1.7373 TC3-2.8088 BAU .4967 SGT 3683.7 SGR 3137.6 SG3 1135.5 ST 1337.9 SR 1220.8 SS 2041.3
 RDE -.5227 RRA 1.5906 RC3-1.7901 FAU .09787 RRT .9897 RRF .9954 RTF .9863 CRT .9999 CRS -.9886 CST -.9888
 FDE -2.8696 FRA 6.3877 FC3-7.5960 BSP 14940 SGB 4838.8 R23 .0746 R13 .9926 LSA 2721.3 MSA 203.5 SSA 11.6
 BDE .7763 BRA 2.3555 BC3 3.3308 FSP -3828 SG1 4826.7 SG2 342.2 TMA 40.38 EL1 1811.1 EL2 11.7 ALF 42.38

LAUNCH DATE APR 22 1967

FLIGHT TIME 192.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 515.671

RL 150.36 LAL -.00 LOL 211.19 VL 27.425 GAL 6.06 AZL 89.89 MCA 223.85 SMA 131.00 ECC .18097 INC .1132 VI 29.633
 RP 107.80 LAP -.08 LOP 75.04 VP 38.068 GAP 2.17 AZP 90.08 TAL 150.39 TAP 14.24 RCA 107.29 APO 154.70 V2 35.154
 RC 92.232 GL .93 GP -35.29 ZAL 44.22 ZAP 114.22 ETS 343.53 ZAE 134.11 ETE 217.75 ZAC 131.00 ETC 349.60 CLP-120.17

PLANETOCENTRIC CONIC

C3 11.429 VML 3.381 DLA 6.00 RAL 168.38 RAD 6567.4 VEL 11.525 PTH 2.01 VMP 3.992 DPA -14.96 RAP 128.99 ECC 1.1881
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 51 57 2276.09 -21.01 45.42 22.60 109.43 8 29 53 1676.1 -18.17 37.89
 90.00 21 19 41 4546.31 10.97 191.55 20.71 63.73 22 55 27 3946.3 7.36 184.74
 100.00 9 16 8 2004.56 -21.91 25.09 22.25 110.86 9 49 33 1404.6 -18.88 17.61
 100.00 22 38 11 4293.07 11.83 172.49 20.27 62.35 23 49 44 3693.1 8.03 165.76
 110.00 10 30 53 1770.61 -24.30 6.23 21.15 114.81 11 0 24 1170.6 -20.75 358.89
 110.00 23 39 55 4099.79 14.08 156.51 18.95 58.53 24 48 15 3499.8 9.82 150.01

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.7235 TRA 1.9540 TC3-3.0070 BAU .5191 SGT 4089.7 SGR 2833.7 SG3 1124.2 ST 1582.8 SR 1122.6 SS 2110.9
 RDE -.4946 RRA 1.4594 RC3-1.5808 FAU .09609 RRT .9908 RRF .9939 RTF .9879 CRT .9990 CRS -.9865 CST -.9926
 FDE -3.0335 FRA 6.3829 FC3-7.2786 BSP 15379 SGB 4975.5 R23 .0683 R13 .9919 LSA 2860.5 MSA 198.1 SSA 12.0
 BDE .8764 BRA 2.4389 BC3 3.3972 FSP -3820 SG1 4965.5 SG2 316.1 TMA 34.63 EL1 1940.1 EL2 41.0 ALF 35.34

LAUNCH DATE APR 22 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 521.917

RL 150.36 LAL -.00 LOL 211.19 VL 27.418 GAL 6.19 AZL 90.15 MCA 227.08 SMA 130.95 ECC .18263 INC .1513 VI 29.633
 RP 107.77 LAP -.11 LOP 78.27 VP 38.073 GAP 2.62 AZP 89.90 TAL 150.01 TAP 17.02 RCA 107.03 APO 154.86 V2 35.165
 RC 94.474 GL -1.21 GP -32.66 ZAL 43.68 ZAP 118.47 ETS 341.77 ZAE 133.34 ETE 212.93 ZAC 132.42 ETC 351.14 CLP-124.49

PLANETOCENTRIC CONIC

C3 11.799 VML 3.435 DLA 3.82 RAL 168.05 RAD 6567.4 VEL 11.541 PTH 2.01 VMP 4.043 DPA -12.18 RAP 128.79 ECC 1.1942
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 7 7 2214.32 -19.56 41.46 22.20 110.89 8 44 1 1614.3 -16.55 34.09
 90.00 21 1 53 4621.38 13.20 195.94 20.96 64.72 22 18 55 4021.4 9.68 189.03
 100.00 9 30 15 1946.19 -20.45 21.37 21.82 112.29 10 2 41 1346.2 -17.25 14.04
 100.00 22 21 27 4364.75 14.05 176.64 20.53 63.34 23 34 11 3764.7 10.36 169.80
 110.00 10 42 35 1719.77 -22.81 3.04 20.68 116.18 11 11 15 1119.8 -19.11 355.86
 110.00 23 25 35 4163.93 16.33 160.12 19.24 59.54 24 34 59 3563.9 12.17 153.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.8752 TRA 2.1621 TC3-3.1496 BAU .5423 SGT 4458.4 SGR 2547.9 SG3 1095.9 ST 1819.7 SR 1020.2 SS 2159.1
 RDE -.4603 RRA 1.3383 RC3-1.3786 FAU .09271 RRT .9909 RRF .9920 RTF .9888 CRT .9968 CRS -.9835 CST -.9947
 FDE -3.1837 FRA 6.2981 FC3-6.8026 BSP 15912 SGB 5135.0 R23 .0574 R13 .9913 LSA 2995.9 MSA 195.4 SSA 12.4
 BDE .9889 BRA 2.5428 BC3 3.4381 FSP -3750 SG1 5126.4 SG2 297.7 TMA 29.63 EL1 2084.9 EL2 71.1 ALF 29.24

LAUNCH DATE APR 22 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 528.141

RL 150.36 LAL -.00 LOL 211.19 VL 27.409 GAL 6.34 AZL 90.39 MCA 230.30 SMA 130.88 ECC .18455 INC .3927 VI 29.633
 RP 107.73 LAP -.30 LOP 81.49 VP 38.078 GAP 3.07 AZP 89.75 TAL 149.61 TAP 19.92 RCA 106.73 APO 155.04 V2 35.175
 RC 96.719 GL -3.06 GP -30.22 ZAL 43.17 ZAP 122.53 ETS 340.29 ZAE 132.37 ETE 208.76 ZAC 133.49 ETC 352.86 CLP-128.48

PLANETOCENTRIC CONIC

C3 12.257 VML 3.501 DLA 1.88 RAL 167.86 RAD 6567.5 VEL 11.560 PTH 2.02 VMP 4.124 DPA -9.66 RAP 128.77 ECC 1.2017
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 20 47 2162.26 -18.27 38.20 22.14 112.02 8 56 49 1562.3 -15.12 30.93
 90.00 20 46 45 4689.50 15.14 200.00 21.50 65.78 22 4 54 4089.5 11.74 192.97
 100.00 9 43 0 1897.05 -19.15 18.30 21.75 113.40 10 14 37 1297.1 -15.82 11.09
 100.00 22 7 13 4429.93 16.01 180.50 21.09 64.41 23 21 3 3829.9 12.43 173.53
 110.00 10 53 15 1677.15 -21.51 .42 20.56 117.23 11 21 13 1077.2 -17.69 353.37
 110.00 23 13 27 4222.60 18.32 163.50 19.83 60.63 24 23 49 3622.6 14.27 156.73

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -1.0274 TRA 2.3635 TC3-3.2383 BAU .5653 SGT 4790.2 SGR 2284.0 SG3 1054.6 ST 2044.4 SR 916.6 SS 2185.9
 RDE -.4212 RRA 1.2286 RC3-1.1898 FAU .08803 RRT .9902 RRF .9893 RTF .9893 CRT .9934 CRS -.9793 CST -.9960
 FDE -3.2604 FRA 6.1543 FC3-6.2181 BSP 16493 SGB 5306.9 R23 .0435 R13 .9908 LSA 3124.1 MSA 194.4 SSA 12.6
 BDE 1.1104 BRA 2.6638 BC3 3.4499 FSP -3630 SG1 5299.1 SG2 287.8 TMA 25.35 EL1 2238.4 EL2 96.0 ALF 24.05

LAUNCH DATE APR 22 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC
 RL 150.36 LAL -.00 LOL 211.19 VL 27.399 GAL 6.50 AZL 90.61 MCA 233.53 SMA 130.81 ECC .18672 INC .6124 V1 29.633
 RP 107.70 LAP .49 LOP 84.72 VP 38.078 GAP 3.52 AZP 89.64 TAL 149.18 TAP 22.71 RCA 106.39 APO 155.24 V2 35.185
 RC 98.967 GL -4.67 GP -27.98 ZAL 42.68 ZAP 126.37 ETS 339.05 ZAE 131.28 ETE 205.20 ZAC 134.22 ETC 354.69 CLP-132.18

PLANETOCENTRIC CONIC
 C3 12.799 VHL 3.578 DLA .17 RAL 167.80 RAD 6567.5 VEL 11.584 PTH 2.03 VHP 4.232 DPA -7.39 RAP 128.92 ECC 1.2106
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 33 16 2118.27 -17.12 35.47 22.36 112.90 9 8 34 1518.3 -13.87 28.30
 90.00 20 33 46 4751.96 16.85 203.79 22.30 66.90 21 52 58 4152.0 13.57 196.64
 100.00 9 54 41 1855.64 -18.01 15.75 21.95 114.27 10 25 37 1255.6 -14.58 8.64
 100.00 21 55 2 4489.82 17.73 184.11 21.89 65.53 23 9 52 3889.8 14.28 177.01
 110.00 11 3 6 1641.47 -20.38 358.26 20.72 118.06 11 30 28 1041.5 -16.47 351.32
 110.00 23 3 6 4276.76 20.10 166.69 20.65 61.75 24 14 23 3676.8 16.17 159.78

DIFFERENTIAL CORRECTIONS
 TDE-1.1780 TRA 2.5618 TC3-3.2745 BAU .5867
 RDE -.3787 RRA 1.1315 RC3-1.0167 FAU .08225
 FDE-3.2861 FRA 5.9747 FC3-5.5633 BSP 17050
 BDE 1.2374 BRA 2.8006 BC3 3.4287 FSP -3460

MID-COURSE EXECUTION ACCURACY
 SGT 5087.5 SGR 2044.7 SG3 1004.2
 RRT .9886 RRF .9857 RTF .9895
 SGB 5483.0 R23 .0292 R13 .9904
 SGI 5475.5 SG2 286.3 TMA 21.73

ORBIT DETERMINATION ACCURACY
 ST 2253.7 SR 814.8 SS 2192.3
 CRT .9884 CRS -.9733 CST -.9968
 LSA 3242.1 MSA 194.6 SSA 12.9
 EL1 2393.7 EL2 116.7 ALF 19.71

LAUNCH DATE APR 22 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC
 RL 150.36 LAL -.00 LOL 211.19 VL 27.388 GAL 6.68 AZL 90.81 MCA 236.76 SMA 130.73 ECC .18914 INC .8146 V1 29.633
 RP 107.67 LAP .68 LOP 87.95 VP 38.079 GAP 3.98 AZP 89.55 TAL 148.72 TAP 25.48 RCA 106.01 APO 155.46 V2 35.195
 RC 101.218 GL -6.06 GP -25.94 ZAL 42.18 ZAP 129.98 ETS 337.99 ZAE 130.12 ETE 202.19 ZAC 134.61 ETC 356.56 CLP-135.60

PLANETOCENTRIC CONIC
 C3 13.426 VHL 3.664 DLA -1.36 RAL 167.85 RAD 6567.5 VEL 11.611 PTH 2.03 VHP 4.362 DPA -5.36 RAP 129.25 ECC 1.2210
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 44 48 2081.16 -16.12 33.21 22.83 113.60 9 19 29 1481.2 -12.80 26.11
 90.00 20 22 37 4809.72 18.35 207.36 23.32 68.05 21 42 47 4209.7 15.21 200.09
 100.00 10 5 30 1820.81 -17.02 13.64 22.41 114.95 10 35 51 1220.8 -13.52 6.60
 100.00 21 44 35 4545.30 19.26 187.52 22.92 66.69 23 0 21 3945.3 15.95 180.30
 110.00 11 12 18 1611.75 -19.42 356.49 21.13 118.70 11 39 9 1011.7 -15.44 349.64
 110.00 22 54 17 4327.14 21.69 169.73 21.70 62.91 24 6 25 3727.1 17.89 162.67

DIFFERENTIAL CORRECTIONS
 TDE-1.3312 TRA 2.7546 TC3-3.2780 BAU .6087
 RDE -.3370 RRA 1.0444 RC3 -.8698 FAU .07645
 FDE-3.2842 FRA 5.7627 FC3-4.9294 BSP 17690
 BDE 1.3732 BRA 2.9460 BC3 3.3914 FSP -3289

MID-COURSE EXECUTION ACCURACY
 SGT 5354.2 SGR 1831.0 SG3 949.1
 RRT .9860 RRF .9811 RTF .9896
 SGB 5658.6 R23 .0149 R13 .9900
 SGI 5651.2 SG2 289.0 TMA 18.68

ORBIT DETERMINATION ACCURACY
 ST 2451.4 SR 719.9 SS 2188.0
 CRT .9814 CRS -.9652 CST -.9974
 LSA 3358.0 MSA 195.4 SSA 13.0
 EL1 2551.4 EL2 132.9 ALF 16.12

LAUNCH DATE APR 22 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC
 RL 150.36 LAL -.00 LOL 211.19 VL 27.376 GAL 6.88 AZL 91.00 MCA 240.00 SMA 130.65 ECC .19183 INC 1.0022 V1 29.633
 RP 107.65 LAP .87 LOP 91.18 VP 38.078 GAP 4.44 AZP 89.50 TAL 148.23 TAP 28.23 RCA 105.59 APO 155.71 V2 35.204
 RC 103.470 GL -7.26 GP -24.08 ZAL 41.68 ZAP 133.36 ETS 337.07 ZAE 128.96 ETE 199.65 ZAC 134.69 ETC 358.39 CLP-138.77

PLANETOCENTRIC CONIC
 C3 14.140 VHL 3.760 DLA -2.73 RAL 167.99 RAD 6567.6 VEL 11.642 PTH 2.04 VHP 4.514 DPA -3.58 RAP 129.76 ECC 1.2327
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 55 33 2049.98 -15.26 31.32 23.51 114.14 9 29 43 1450.0 -11.88 24.28
 90.00 20 13 0 4863.58 19.69 210.75 24.52 69.23 21 34 4 4263.6 16.69 203.36
 100.00 10 15 37 1791.70 -16.18 11.89 23.07 115.48 10 45 28 1191.7 -12.62 4.91
 100.00 21 35 37 4597.09 20.63 190.76 24.13 67.87 22 52 15 3997.1 17.44 183.41
 110.00 11 20 56 1587.22 -18.61 355.05 21.75 119.20 11 47 23 987.2 -14.58 348.26
 110.00 22 46 48 4374.34 23.13 172.65 22.93 64.10 23 59 42 3774.3 19.45 165.44

DIFFERENTIAL CORRECTIONS
 TDE-1.4836 TRA 2.9469 TC3-3.2450 BAU .6292
 RDE -.2950 RRA .9681 RC3 -.7419 FAU .07039
 FDE-3.2509 FRA 5.5399 FC3-4.3099 BSP 18311
 BDE 1.5126 BRA 3.1018 BC3 3.3287 FSP -3104

MID-COURSE EXECUTION ACCURACY
 SGT 5592.2 SGR 1641.4 SG3 891.5
 RRT .9823 RRF .9751 RTF .9895
 SGB 5828.1 R23 .0024 R13 .9897
 SGI 5820.6 SG2 295.8 TMA 16.13

ORBIT DETERMINATION ACCURACY
 ST 2633.2 SR 631.3 SS 2170.3
 CRT .9713 CRS -.9538 CST -.9978
 LSA 3464.7 MSA 196.7 SSA 13.1
 EL1 2703.9 EL2 146.3 ALF 13.15

LAUNCH DATE APR 22 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC
 RL 150.36 LAL -.00 LOL 211.19 VL 27.363 GAL 7.10 AZL 91.18 MCA 243.23 SMA 130.55 ECC .19480 INC 1.1781 V1 29.633
 RP 107.62 LAP 1.03 LOP 94.42 VP 38.076 GAP 4.91 AZP 89.47 TAL 147.72 TAP 30.95 RCA 105.12 APO 155.99 V2 35.212
 RC 105.723 GL -8.30 GP -22.41 ZAL 41.16 ZAP 136.52 ETS 336.22 ZAE 127.82 ETE 197.52 ZAC 134.50 ETC .13 CLP-141.71

PLANETOCENTRIC CONIC
 C3 14.945 VHL 3.866 DLA -3.96 RAL 168.22 RAD 6567.6 VEL 11.676 PTH 2.05 VHP 4.683 DPA -2.02 RAP 130.43 ECC 1.2460
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 5 37 2024.04 -14.54 29.76 24.37 114.57 9 39 21 1424.0 -11.10 22.77
 90.00 20 4 44 4914.12 20.88 213.98 25.89 70.42 21 26 38 4314.1 18.02 206.47
 100.00 10 25 7 1767.63 -15.47 10.46 23.91 115.90 10 54 34 1167.6 -11.86 3.52
 100.00 21 27 56 4645.76 21.84 193.86 25.51 69.07 22 45 22 4045.8 18.80 186.39
 110.00 11 29 6 1567.31 -17.95 353.89 22.55 119.59 11 55 13 967.3 -13.87 347.15
 110.00 22 40 26 4418.85 24.42 175.46 24.33 65.31 23 54 5 3818.8 20.89 168.10

DIFFERENTIAL CORRECTIONS
 TDE-1.6357 TRA 3.1406 TC3-3.1811 BAU .6480
 RDE -.2536 RRA .9016 RC3 -.6319 FAU .06431
 FDE-3.1954 FRA 5.3158 FC3-3.7252 BSP 18897
 BDE 1.6553 BRA 3.2674 BC3 3.2433 FSP -2913

MID-COURSE EXECUTION ACCURACY
 SGT 5804.8 SGR 1474.5 SG3 833.6
 RRT .9770 RRF .9676 RTF .9894
 SGB 5989.1 R23 -.0081 R13 .9894
 SGI 5981.4 SG2 305.0 TMA 13.98

ORBIT DETERMINATION ACCURACY
 ST 2800.3 SR 550.4 SS 2143.0
 CRT .9568 CRS -.9377 CST -.9982
 LSA 3563.4 MSA 198.2 SSA 13.2
 EL1 2849.6 EL2 157.3 ALF 10.68

LAUNCH DATE APR 22 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 558.869

RL 150.36 LAL -0.00 LOL 211.19 VL 27.348 GAL 7.34 AZL 91.34 MCA 246.47 SMA 130.45 ECC .19806 INC 1.3442 V1 29.633
 RP 107.60 LAP 1.23 LOP 97.65 VP 38.073 GAP 5.38 AZP 89.46 TAL 147.18 TAP 33.65 RCA 104.62 APO 156.29 V2 35.220
 RC 107.973 GL -9.20 GP -20.90 ZAL 40.62 ZAP 139.47 ETS 335.43 ZAE 126.73 ETE 195.73 ZAC 134.06 ETC 1.76 CLP-144.44

PLANETOCENTRIC CONIC

C3 15.850 VHL 3.981 DLA -5.06 RAL 168.52 RAD 6567.6 VEL 11.715 PTH 2.06 VMP 4.870 DPA -.66 RAP 131.25 ECC 1.2608
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 15 7 2002.77 -13.93 28.50 25.39 114.90 9 48 30 1402.8 -10.46 21.54
 90.00 19 57 38 4961.83 21.93 217.08 27.41 71.63 21 20 20 4361.8 19.22 209.46
 100.00 10 34 5 1748.07 -14.88 9.30 24.92 116.23 11 3 13 1148.1 -11.24 2.40
 100.00 21 21 23 4691.77 22.93 196.84 27.04 70.28 22 39 35 4091.8 20.03 189.25
 110.00 11 36 51 1551.53 -17.41 352.98 23.52 119.89 12 2 43 951.5 -13.31 346.27
 110.00 22 35 5 4461.08 25.60 178.18 25.88 66.53 23 49 26 3861.1 22.20 170.67

DIFFERENTIAL CORRECTIONS

TDE-1.7885 TRA 3.3368 TC3-3.0934 BAU .6653
 ROE -.2135 RRA .8438 RC3 -.5384 FAU .05839
 FDE-3.1246 FRA 5.0961 FC3-3.1895 BSP 19456
 BOE 1.8012 BRA 3.4418 BC3 3.1399 FSP -2723

MID-COURSE EXECUTION ACCURACY

SGT 5994.6 SGR 1328.3 SG3 777.0
 RRT .9701 RRF .9582 RTF .9891
 SGB 6140.0 R23 -.0165 R13 .9890
 SGI 6131.8 SG2 315.4 TMA 12.16

ORBIT DETERMINATION ACCURACY

ST 2953.4 SR 477.8 SS 2108.5
 CRT .9359 CRS -.9149 CST -.9984
 LSA 3654.7 MSA 199.7 SSA 13.3
 ELI 2987.1 EL2 166.4 ALF 8.64

LAUNCH DATE APR 22 1967

FLIGHT TIME 208.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 564.925

RL 150.36 LAL -0.00 LOL 211.19 VL 27.333 GAL 7.60 AZL 91.50 MCA 249.71 SMA 130.35 ECC .20161 INC 1.5025 V1 29.633
 RP 107.58 LAP 1.41 LOP 100.89 VP 38.069 GAP 5.87 AZP 89.48 TAL 146.61 TAP 36.32 RCA 104.07 APO 156.63 V2 35.227
 RC 110.226 GL -9.96 GP -19.53 ZAL 40.06 ZAP 142.21 ETS 334.67 ZAE 125.69 ETE 194.23 ZAC 133.39 ETC 3.24 CLP-146.99

PLANETOCENTRIC CONIC

C3 16.861 VHL 4.106 DLA -6.05 RAL 168.89 RAD 6567.7 VEL 11.758 PTH 2.08 VMP 5.074 DPA .50 RAP 132.21 ECC 1.2775
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 24 6 1985.73 -13.44 27.49 26.56 115.16 9 57 12 1385.7 -9.94 20.56
 90.00 19 51 34 5007.14 22.87 220.07 29.07 72.84 21 15 2 4407.1 20.31 212.34
 100.00 10 42 34 1732.58 -14.41 8.39 26.08 116.47 11 11 27 1132.6 -10.74 1.52
 100.00 21 15 47 4735.52 23.91 199.73 28.71 71.50 22 34 43 4135.5 21.16 192.01
 110.00 11 44 15 1539.50 -17.00 352.29 24.63 120.11 12 9 54 939.5 -12.87 345.61
 110.00 22 30 36 4501.37 26.66 180.82 27.57 67.77 23 45 38 3901.4 23.41 175.17

DIFFERENTIAL CORRECTIONS

TDE-1.9383 TRA 3.5412 TC3-2.9770 BAU .6789
 ROE -.1738 RRA .7941 RC3 -.4566 FAU .05241
 FDE-3.0368 FRA 4.8909 FC3-2.6910 BSP 19908
 BOE 1.9461 BRA 3.6291 BC3 3.0119 FSP -2528

MID-COURSE EXECUTION ACCURACY

SGT 6162.9 SGR 1200.5 SG3 722.5
 RRT .9610 RRF .9466 RTF .9888
 SGB 6278.7 R23 -.0226 R13 .9887
 SGI 6270.3 SG2 326.5 TMA 10.63

ORBIT DETERMINATION ACCURACY

ST 3089.0 SR 413.1 SS 2065.3
 CRT .9050 CRS -.8819 CST -.9986
 LSA 3733.3 MSA 201.4 SSA 13.4
 ELI 3111.7 EL2 174.5 ALF 6.92

LAUNCH DATE APR 22 1967

FLIGHT TIME 210.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 570.946

RL 150.36 LAL -0.00 LOL 211.19 VL 27.317 GAL 7.88 AZL 91.65 MCA 252.95 SMA 130.24 ECC .20549 INC 1.6544 V1 29.633
 RP 107.56 LAP 1.58 LOP 104.13 VP 38.063 GAP 6.36 AZP 89.51 TAL 146.03 TAP 38.98 RCA 103.47 APO 157.00 V2 35.233
 RC 112.475 GL -10.61 GP -18.31 ZAL 39.48 ZAP 144.78 ETS 333.89 ZAE 124.71 ETE 192.96 ZAC 132.54 ETC 4.58 CLP-149.38

PLANETOCENTRIC CONIC

C3 17.991 VHL 4.242 DLA -6.94 RAL 169.31 RAD 6567.7 VEL 11.806 PTH 2.09 VMP 5.292 DPA 1.48 RAP 133.30 ECC 1.2961
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 32 37 1972.55 -13.06 26.71 27.86 115.35 10 5 29 1372.5 -9.54 19.80
 90.00 19 46 36 5050.36 23.71 222.96 30.85 74.05 21 10 36 4450.4 21.30 215.12
 100.00 10 50 28 1720.84 -14.06 7.70 27.36 116.65 11 19 19 1120.8 -10.37 .85
 100.00 21 11 5 4777.30 24.78 202.53 30.50 72.72 22 30 43 4177.3 22.18 194.69
 110.00 11 51 18 1530.91 -16.71 351.79 25.87 120.26 12 16 49 930.9 -12.56 345.14
 110.00 22 26 55 4539.99 27.63 183.41 29.40 69.02 23 42 35 3940.0 24.53 175.61

DIFFERENTIAL CORRECTIONS

TDE-2.0925 TRA 3.7483 TC3-2.8534 BAU .6927
 ROE -.1365 RRA .7502 RC3 -.3896 FAU .04708
 FDE-2.9496 FRA 4.6920 FC3-2.2654 BSP 20399
 BOE 2.0969 BRA 3.8226 BC3 2.8799 FSP -2354

MID-COURSE EXECUTION ACCURACY

SGT 6313.9 SGR 1088.8 SG3 671.1
 RRT .9497 RRF .9327 RTF .9885
 SGB 6407.1 R23 -.0279 R13 .9883
 SGI 6398.2 SG2 336.6 TMA 9.33

ORBIT DETERMINATION ACCURACY

ST 3215.0 SR 357.6 SS 2021.7
 CRT .8615 CRS -.8360 CST -.9988
 LSA 3809.2 MSA 202.8 SSA 13.4
 ELI 3229.8 EL2 180.8 ALF 5.49

LAUNCH DATE APR 22 1967

FLIGHT TIME 212.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 576.929

RL 150.36 LAL -0.00 LOL 211.19 VL 27.301 GAL 8.19 AZL 91.80 MCA 256.19 SMA 130.12 ECC .20971 INC 1.8011 V1 29.633
 RP 107.54 LAP 1.75 LOP 107.37 VP 38.057 GAP 6.87 AZP 89.57 TAL 145.43 TAP 41.61 RCA 102.83 APO 157.41 V2 35.239
 RC 114.720 GL -11.16 GP -17.21 ZAL 38.88 ZAP 147.18 ETS 333.08 ZAE 123.80 ETE 191.88 ZAC 131.52 ETC 5.76 CLP-151.61

PLANETOCENTRIC CONIC

C3 19.252 VHL 4.388 DLA -7.74 RAL 169.78 RAD 6567.8 VEL 11.859 PTH 2.10 VMP 5.527 DPA 2.30 RAP 134.51 ECC 1.3168
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 40 42 1962.94 -12.78 26.14 29.28 115.49 10 13 25 1362.9 -9.24 19.25
 90.00 19 42 6 5091.78 24.46 225.77 32.74 75.27 21 6 58 4491.8 22.20 217.82
 100.00 10 58 19 1712.55 -13.80 7.21 28.76 116.78 11 26 51 1112.5 -10.10 .58
 100.00 21 7 10 4817.40 25.56 205.25 32.41 73.95 22 27 28 4217.4 23.12 197.31
 110.00 11 58 3 1525.51 -16.52 351.48 27.23 120.36 12 23 28 925.5 -12.37 344.84
 110.00 22 23 56 4577.20 28.51 185.95 31.34 70.29 23 40 13 3977.2 25.56 178.01

DIFFERENTIAL CORRECTIONS

TDE-2.2482 TRA 3.9628 TC3-2.7177 BAU .7047
 ROE -.1005 RRA .7117 RC3 -.3327 FAU .04208
 FDE-2.8592 FRA 4.5064 FC3-1.8921 BSP 20859
 BOE 2.2505 BRA 4.0262 BC3 2.7380 FSP -2189

MID-COURSE EXECUTION ACCURACY

SGT 6448.2 SGR 991.0 SG3 622.8
 RRT .9357 RRF .9161 RTF .9882
 SGB 6524.0 R23 -.0319 R13 .9880
 SGI 6514.8 SG2 346.0 TMA 8.21

ORBIT DETERMINATION ACCURACY

ST 3328.5 SR 310.6 SS 1975.5
 CRT .7997 CRS -.7717 CST -.9989
 LSA 3877.6 MSA 204.1 SSA 13.4
 ELI 3337.8 EL2 186.0 ALF 4.28

LAUNCH DATE APR 22 1967

FLIGHT TIME 214.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC
 RL 150.36 LAL -0.00 LOL 211.19 VL 27.283 GAL 8.52 AZL 91.94 MCA 259.43 SMA 130.00 ECC .21429 INC 1.9438 V1 29.633
 RP 107.52 LAP 1.91 LOP 110.61 VP 38.049 GAP 7.38 AZP 89.64 TAL 144.81 TAP 44.24 RCA 102.14 APO 157.86 V2 35.244
 RC 116.961 GL -11.62 GP -16.22 ZAL 38.27 ZAP 149.43 ETS 332.22 ZAE 122.95 ETE 190.97 ZAC 130.36 ETC 6.80 CLP-153.73

PLANETOCENTRIC CONIC
 C3 20.659 VML 4.545 DLA -8.46 RAL 170.29 RAD 6567.8 VEL 11.918 PTH 2.12 VMP 5.776 DPA 2.98 RAP 135.82 ECC 1.3400
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 48 22 1956.66 -12.59 25.77 30.81 115.57 10 20 59 1356.7 -9.05 18.89
 90.00 19 38 32 5131.63 25.12 228.50 34.74 76.48 21 4 3 4531.6 23.01 220.46
 100.00 11 5 36 1707.48 -13.65 6.92 30.28 116.86 11 34 4 1107.5 -9.94 .09
 100.00 21 3 58 4856.04 26.26 207.91 34.42 75.18 22 24 54 4256.0 23.97 199.86
 110.00 12 4 30 1523.09 -16.44 351.35 28.70 120.40 12 29 53 923.1 -12.28 344.71
 110.00 22 21 34 4613.19 29.31 188.44 33.40 71.57 23 38 28 4013.2 26.51 180.37

DIFFERENTIAL CORRECTIONS
 TDE-2.9057 TRA 4.1866 TC3-2.5712 BAU .7145
 RDE -.0657 RRA .6778 RC3 -.2840 FAU .03737
 FDE-2.7677 FRA 4.3350 FC3-1.5660 BSP 21278
 BDE 2.4066 BRA 4.2411 BC3 2.5868 FSP -2035

MID-COURSE EXECUTION ACCURACY
 SGT 6567.2 SGR 905.4 SG3 577.8
 RRT .9189 RRF .8966 RTF .9879
 SGB 6629.3 R23 -.0349 R13 .9877
 SGI 6619.8 SG2 354.4 THA 7.24

ORBIT DETERMINATION ACCURACY
 ST 3429.8 SR 272.2 SS 1927.7
 CRT .7139 CRS -.6836 CST -.9991
 LSA 3938.4 MSA 205.1 SSA 13.3
 EL1 3435.3 EL2 190.3 ALF 3.25

LAUNCH DATE APR 22 1967

FLIGHT TIME 216.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC
 RL 150.36 LAL -0.00 LOL 211.19 VL 27.265 GAL 8.87 AZL 92.08 MCA 262.67 SMA 129.88 ECC .21926 INC 2.0836 V1 29.633
 RP 107.51 LAP 2.07 LOP 113.86 VP 38.040 GAP 7.92 AZP 89.73 TAL 144.17 TAP 46.84 RCA 101.40 APO 158.35 V2 35.248
 RC 119.197 GL -11.99 GP -15.32 ZAL 37.64 ZAP 151.54 ETS 331.28 ZAE 122.16 ETE 190.18 ZAC 129.08 ETC 7.71 CLP-155.72

PLANETOCENTRIC CONIC
 C3 22.231 VML 4.715 DLA -9.11 RAL 170.84 RAD 6567.9 VEL 11.984 PTH 2.14 VMP 6.041 DPA 3.52 RAP 137.22 ECC 1.3659
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 55 39 1953.50 -12.50 25.59 32.44 115.62 10 28 13 1353.5 -8.95 18.71
 90.00 19 35 37 5170.11 25.71 231.16 36.84 77.70 21 1 47 4570.1 23.75 223.04
 100.00 11 12 33 1705.44 -13.58 6.80 31.89 116.89 11 40 58 1105.4 -9.87 359.98
 100.00 21 1 25 4893.41 26.89 210.51 36.54 76.42 22 22 58 4293.4 24.75 202.36
 110.00 12 10 40 1523.47 -16.45 351.37 30.27 120.39 12 36 3 923.5 -12.30 344.73
 110.00 22 19 47 4648.15 30.04 190.90 35.56 72.86 23 37 15 4048.1 27.40 182.71

DIFFERENTIAL CORRECTIONS
 TDE-2.5658 TRA 4.4216 TC3-2.4173 BAU .7220
 RDE -.0319 RRA .6478 RC3 -.2423 FAU .03299
 FDE-2.6772 FRA 4.1784 FC3-1.2848 BSP 21656
 BDE 2.5660 BRA 4.4688 BC3 2.4294 FSP -1890

MID-COURSE EXECUTION ACCURACY
 SGT 6673.0 SGR 830.2 SG3 536.1
 RRT .8989 RRF .8741 RTF .9876
 SGB 6724.4 R23 -.0371 R13 .9874
 SGI 6714.7 SG2 361.6 THA 6.40

ORBIT DETERMINATION ACCURACY
 ST 3520.1 SR 242.4 SS 1879.3
 CRT .5997 CRS -.5675 CST -.9992
 LSA 3992.4 MSA 206.0 SSA 13.3
 EL1 3523.1 EL2 193.8 ALF 2.37

LAUNCH DATE APR 22 1967

FLIGHT TIME 218.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC
 RL 150.36 LAL -0.00 LOL 211.19 VL 27.247 GAL 9.26 AZL 92.22 MCA 265.92 SMA 129.75 ECC .22465 INC 2.2213 V1 29.633
 RP 107.50 LAP 2.22 LOP 117.10 VP 38.030 GAP 8.47 AZP 89.84 TAL 143.53 TAP 49.44 RCA 100.60 APO 158.90 V2 35.252
 RC 121.426 GL -12.29 GP -14.52 ZAL 37.00 ZAP 153.53 ETS 330.23 ZAE 121.43 ETE 189.50 ZAC 127.69 ETC 8.50 CLP-157.62

PLANETOCENTRIC CONIC
 C3 23.990 VML 4.898 DLA -9.68 RAL 171.42 RAD 6568.0 VEL 12.057 PTH 2.16 VMP 6.322 DPA 3.93 RAP 138.69 ECC 1.3948
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 2 34 1953.31 -12.49 25.58 34.16 115.62 10 35 7 1353.3 -8.94 18.70
 90.00 19 33 19 5207.41 26.22 233.77 39.03 78.91 21 0 7 4607.4 24.43 225.56
 100.00 11 19 8 1706.26 -13.61 6.85 33.59 116.87 11 47 35 1106.3 -9.90 .02
 100.00 20 59 26 4929.69 27.44 213.06 38.75 77.65 22 21 35 4329.7 25.46 204.82
 110.00 12 16 33 1526.49 -16.56 351.54 31.93 120.34 12 41 59 926.5 -12.40 344.89
 110.00 22 18 30 4682.23 30.70 193.34 37.81 74.16 23 36 33 4082.2 28.22 185.02

DIFFERENTIAL CORRECTIONS
 TDE-2.7261 TRA 4.6718 TC3-2.2533 BAU .7257
 RDE .0014 RRA .6212 RC3 -.2058 FAU .02875
 FDE-2.5856 FRA 4.0389 FC3-1.0377 BSP 21929
 BDE 2.7261 BRA 4.7129 BC3 2.2627 FSP -1749

MID-COURSE EXECUTION ACCURACY
 SGT 6766.0 SGR 764.2 SG3 497.5
 RRT .8754 RRF .8483 RTF .9873
 SGB 6809.0 R23 -.0382 R13 .9871
 SGI 6799.1 SG2 367.6 THA 5.66

ORBIT DETERMINATION ACCURACY
 ST 3597.3 SR 221.2 SS 1829.3
 CRT .4559 CRS -.4225 CST -.9993
 LSA 4036.5 MSA 206.7 SSA 13.2
 EL1 3598.7 EL2 196.8 ALF 1.61

LAUNCH DATE APR 22 1967

FLIGHT TIME 220.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC
 RL 150.36 LAL -0.00 LOL 211.19 VL 27.228 GAL 9.67 AZL 92.36 MCA 269.16 SMA 129.62 ECC .23049 INC 2.3580 V1 29.633
 RP 107.49 LAP 2.36 LOP 120.35 VP 38.019 GAP 9.04 AZP 89.97 TAL 142.87 TAP 52.03 RCA 99.74 APO 159.49 V2 35.255
 RC 123.648 GL -12.52 GP -13.79 ZAL 36.36 ZAP 155.40 ETS 329.06 ZAE 120.75 ETE 188.92 ZAC 126.21 ETC 9.18 CLP-159.43

PLANETOCENTRIC CONIC
 C3 25.960 VML 5.095 DLA -10.20 RAL 172.02 RAD 6568.0 VEL 12.138 PTH 2.18 VMP 6.620 DPA 4.23 RAP 140.24 ECC 1.4272
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 9 6 1955.94 -12.57 25.73 35.96 115.58 10 41 42 1355.9 -9.02 18.85
 90.00 19 31 35 5243.65 26.67 236.33 41.30 80.11 20 58 58 4643.6 25.03 228.05
 100.00 11 25 24 1709.81 -13.72 7.05 35.38 116.82 11 53 54 1109.8 -10.01 .22
 100.00 20 57 58 4965.01 27.93 215.57 41.04 78.89 22 20 43 4365.0 26.11 207.24
 110.00 12 22 10 1532.03 -16.75 351.86 33.68 120.24 12 47 42 932.0 -12.61 345.20
 110.00 22 17 42 4715.55 31.29 195.75 40.16 75.48 23 36 17 4115.5 28.98 187.31

DIFFERENTIAL CORRECTIONS
 TDE-2.8935 TRA 4.9317 TC3-2.0931 BAU .7290
 RDE .0336 RRA .5964 RC3 -.1752 FAU .02502
 FDE-2.5012 FRA 3.9088 FC3 -.8344 BSP 22251
 BDE 2.8937 BRA 4.9676 BC3 2.1004 FSP -1626

MID-COURSE EXECUTION ACCURACY
 SGT 6847.5 SGR 705.5 SG3 461.9
 RRT .8483 RRF .8191 RTF .9870
 SGB 6883.7 R23 -.0391 R13 .9868
 SGI 6873.7 SG2 372.2 THA 5.01

ORBIT DETERMINATION ACCURACY
 ST 3667.3 SR 208.0 SS 1782.1
 CRT .2925 CRS -.2591 CST -.9994
 LSA 4077.4 MSA 206.9 SSA 13.1
 EL1 3667.8 EL2 198.8 ALF .95

LAUNCH DATE APR 23 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 2 1967

HELIOCENTRIC CONIC

DISTANCE 124.413

RL 150.40 LAL -.00 LOL 212.17 VL 14.244 GAL 33.25 AZL 88.40 MCA 30.42 SMA 84.97 ECC .84577 INC 1.6017 V1 29.625
 RP 108.48 LAP .81 LOP 242.58 VP 29.749 GAP -56.27 AZP 88.62 TAL 172.84 TAP 203.26 RCA 13.10 APO 156.84 V2 34.935
 RC 92.217 GL .99 GP 2.48 ZAL 67.49 ZAP 36.57 ETS 186.49 ZAE 134.50 ETE 177.61 ZAC 158.50 ETC 54.50 CLP 36.50

PLANETOCENTRIC CONIC

C3 367.770 VML 19.177 OLA 14.24 RAL 147.31 RAD 6572.0 VEL 22.115 PTH 3.24 VMP 31.084 DPA 26.92 RAP 99.95 ECC 7.0526
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 16 46 3270.13 -25.05 115.62 59.04 76.36 6 11 16 2670.1 -26.69 107.33
 90.00 20 58 55 4996.70 22.66 219.38 46.20 72.55 22 22 12 4396.7 20.06 211.67
 100.00 6 45 41 2983.36 -26.82 95.00 59.52 76.29 7 35 25 2383.4 -28.44 86.58
 100.00 22 12 41 4758.71 24.40 201.28 45.60 72.17 23 32 0 4158.7 21.73 193.50
 110.00 8 10 54 2716.71 -31.51 76.08 60.85 76.02 8 56 11 2116.7 -33.11 67.22
 110.00 23 3 57 4598.11 28.98 187.39 43.89 71.03 24 20 35 3998.1 26.12 179.38

DIFFERENTIAL CORRECTIONS

TOE .7978 TRA-2.1587 TC3 -.1032 BAU .5073
 RDE-1.3997 RRA -.6425 RC3 .0025 FAU .01137
 FDE -.2945 FRA .7192 FC3 -.0268 BSP 1909
 BDE 1.6111 BRA 2.2523 BC3 .1032 FSP -45

MID-COURSE EXECUTION ACCURACY

SGT 810.0 SGR 462.8 SCS 22.4
 RRT .0753 RRF -.0675 RTF -.6079
 SGB 932.9 R23 .0002 R13 -.6083
 SGI 811.1 SG2 460.9 TMA 3.64

ORBIT DETERMINATION ACCURACY

ST 311.1 SR 422.4 SS 296.3
 CRT -.6683 CRS -.7047 CST .9966
 LSA 553.0 MSA 238.7 SSA 14.1
 EL1 484.2 EL2 201.9 ALF 122.54

LAUNCH DATE APR 23 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 4 1967

HELIOCENTRIC CONIC

DISTANCE 129.620

RL 150.40 LAL -.00 LOL 212.17 VL 15.082 GAL 31.60 AZL 88.87 MCA 33.60 SMA 86.33 ECC .82112 INC 1.1323 V1 29.625
 RP 108.51 LAP .63 LOP 245.76 VP 30.145 GAP -53.80 AZP 89.06 TAL 171.95 TAP 205.55 RCA 15.44 APO 157.21 V2 34.923
 RC 89.824 GL .79 GP 2.54 ZAL 66.11 ZAP 35.05 ETS 186.72 ZAE 134.45 ETE 177.20 ZAC 157.38 ETC 51.35 CLP 34.97

PLANETOCENTRIC CONIC

C3 336.872 VML 18.354 OLA 13.58 RAL 148.59 RAD 6571.9 VEL 21.405 PTH 3.21 VMP 29.980 DPA 26.95 RAP 101.82 ECC 6.5441
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 27 40 3237.81 -25.55 113.38 59.41 77.37 6 21 38 2637.8 -27.04 105.03
 90.00 20 58 11 5010.27 22.94 220.28 46.97 72.92 22 21 41 4410.3 20.38 212.54
 100.00 6 56 9 2952.49 -27.30 92.83 59.84 77.33 7 45 21 2352.5 -28.77 84.34
 100.00 22 12 24 4770.83 24.65 202.09 46.39 72.53 23 31 54 4170.8 22.02 194.28
 110.00 8 20 24 2688.86 -31.95 74.03 61.06 77.16 9 5 13 2088.9 -33.39 65.09
 110.00 23 4 38 4607.22 29.18 188.02 44.73 71.35 24 21 25 4007.2 26.36 179.98

DIFFERENTIAL CORRECTIONS

TOE .8104 TRA-2.1771 TC3 -.1103 BAU .4970
 RDE-1.3520 RRA -.6388 RC3 .0033 FAU .01140
 FDE -.3111 FRA .7453 FC3 -.0293 BSP 2026
 BDE 1.5763 BRA 2.2689 BC3 .1104 FSP -49

MID-COURSE EXECUTION ACCURACY

SGT 846.7 SGR 469.4 SCS 24.2
 RRT .0796 RRF -.0718 RTF -.6263
 SGB 968.1 R23 -.0001 R13 -.6267
 SGI 847.8 SG2 467.3 TMA 3.63

ORBIT DETERMINATION ACCURACY

ST 328.8 SR 426.5 SS 313.0
 CRT -.6692 CRS -.7096 CST .9964
 LSA 572.4 MSA 245.2 SSA 14.3
 EL1 495.9 EL2 210.2 ALF 124.27

LAUNCH DATE APR 23 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 6 1967

HELIOCENTRIC CONIC

DISTANCE 134.959

RL 150.40 LAL -.00 LOL 212.17 VL 15.870 GAL 30.10 AZL 89.26 MCA 36.78 SMA 87.72 ECC .79606 INC .7354 V1 29.625
 RP 108.55 LAP .44 LOP 248.94 VP 30.533 GAP -51.46 AZP 89.41 TAL 171.05 TAP 207.83 RCA 17.89 APO 157.55 V2 34.911
 RC 87.444 GL .57 GP 2.60 ZAL 64.76 ZAP 33.56 ETS 186.98 ZAE 134.45 ETE 176.75 ZAC 156.18 ETC 48.46 CLP 33.48

PLANETOCENTRIC CONIC

C3 308.724 VML 17.571 OLA 12.92 RAL 149.80 RAD 6571.8 VEL 20.737 PTH 3.18 VMP 28.914 DPA 26.95 RAP 103.71 ECC 6.0808
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 38 17 3205.09 -26.02 111.10 59.65 78.42 6 31 42 2605.1 -27.36 102.69
 90.00 20 57 17 5023.15 23.19 221.14 47.66 73.28 22 21 0 4423.1 20.68 213.36
 100.00 7 6 19 2921.17 -27.75 90.61 60.04 78.42 7 55 0 2321.2 -29.07 82.06
 100.00 22 11 56 4782.30 24.88 202.87 47.10 72.87 23 31 38 4182.3 22.30 195.02
 110.00 8 29 37 2660.48 -32.36 71.91 61.14 78.35 9 13 58 2060.5 -33.63 62.91
 110.00 23 5 6 4615.75 29.37 188.62 45.48 71.66 24 22 2 4015.8 26.58 180.54

DIFFERENTIAL CORRECTIONS

TOE .8223 TRA-2.1963 TC3 -.1177 BAU .4862
 RDE-1.3045 RRA -.6334 RC3 .0043 FAU .01144
 FDE -.3280 FRA .7719 FC3 -.0321 BSP 2148
 BDE 1.5420 BRA 2.2858 BC3 .1178 FSP -54

MID-COURSE EXECUTION ACCURACY

SGT 884.8 SGR 475.5 SCS 26.0
 RRT .0842 RRF -.0762 RTF -.6442
 SGB 1004.5 R23 -.0003 R13 -.6446
 SGI 886.1 SG2 473.1 TMA 3.62

ORBIT DETERMINATION ACCURACY

ST 347.3 SR 430.1 SS 330.0
 CRT -.6697 CRS -.7140 CST .9963
 LSA 592.5 MSA 251.4 SSA 14.6
 EL1 507.8 EL2 218.4 ALF 126.09

LAUNCH DATE APR 23 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 8 1967

HELIOCENTRIC CONIC

DISTANCE 140.421

RL 150.40 LAL -.00 LOL 212.17 VL 16.613 GAL 28.72 AZL 89.61 MCA 39.95 SMA 89.14 ECC .77079 INC .3937 V1 29.625
 RP 108.59 LAP .25 LOP 252.12 VP 30.913 GAP -49.25 AZP 89.70 TAL 170.15 TAP 210.11 RCA 20.43 APO 157.85 V2 34.899
 RC 85.078 GL .34 GP 2.67 ZAL 63.47 ZAP 32.10 ETS 187.27 ZAE 134.53 ETE 176.27 ZAC 154.91 ETC 45.83 CLP 32.00

PLANETOCENTRIC CONIC

C3 283.047 VML 16.824 OLA 12.25 RAL 150.96 RAD 6571.6 VEL 20.109 PTH 3.14 VMP 27.884 DPA 26.93 RAP 105.62 ECC 5.6582
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 48 36 3171.93 -26.45 108.77 59.76 79.51 6 41 27 2571.9 -27.63 100.30
 90.00 20 56 13 5035.33 23.43 221.95 48.26 73.62 22 20 8 4435.3 20.96 214.15
 100.00 7 16 12 2889.37 -28.16 88.34 60.12 79.55 8 4 22 2289.4 -29.32 79.73
 100.00 22 11 17 4793.11 25.10 203.60 47.71 73.20 23 31 10 4193.1 22.56 195.72
 110.00 8 38 36 2631.55 -32.74 69.74 61.09 79.58 9 22 28 2031.5 -33.83 60.67
 110.00 23 5 23 4623.70 29.54 189.18 46.14 71.95 24 22 27 4023.7 26.79 181.07

DIFFERENTIAL CORRECTIONS

TOE .8341 TRA-2.2152 TC3 -.1252 BAU .4744
 RDE-1.2570 RRA -.6268 RC3 .0054 FAU .01150
 FDE -.3452 FRA .7987 FC3 -.0352 BSP 2287
 BDE 1.5086 BRA 2.3021 BC3 .1254 FSP -59

MID-COURSE EXECUTION ACCURACY

SGT 924.2 SGR 480.9 SCS 28.0
 RRT .0886 RRF -.0808 RTF -.6616
 SGB 1041.9 R23 -.0007 R13 -.6620
 SGI 925.6 SG2 478.4 TMA 3.60

ORBIT DETERMINATION ACCURACY

ST 366.7 SR 433.1 SS 347.5
 CRT -.6702 CRS -.7180 CST .9961
 LSA 613.6 MSA 257.2 SSA 14.8
 EL1 520.3 EL2 226.6 ALF 128.00

LAUNCH DATE APR 23 1967 FLIGHT TIME 78.00 ARRIVAL DATE JUL 10 1967

DISTANCE 146.000

MELIOCENTRIC CONIC
 RL 150.40 LAL -.00 LOL 212.17 VL 17.313 GAL 27.43 AZL 89.91 MCA 43.13 SMA 90.59 ECC .74548 INC .0938 V1 29.625
 RP 108.62 LAP .06 LOP 255.29 VP 31.282 GAP -47.15 AZP 89.93 TAL 169.26 TAP 212.39 RCA 23.06 APO 158.12 V2 34.888
 RC 82.729 GL .09 GP 2.74 ZAL 62.23 ZAP 30.66 ETS 187.59 ZAE 134.67 ETE 175.75 ZAC 153.57 ETC 43.44 CLP 30.55

PLANETOCENTRIC CONIC
 C3 259.594 VHL 16.112 DLA 11.58 RAL 152.06 RAD 6571.5 VEL 19.517 PTH 3.11 VMP 26.887 DPA 26.90 RAP 107.56 ECC 5.2723
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 58 38 3138.29 -26.85 106.38 59.75 80.65 6 50 56 2538.3 -27.87 97.87
 90.00 20 54 59 5046.81 23.65 222.72 48.77 73.95 22 19 6 4446.8 21.22 214.89
 100.00 7 25 50 2857.05 -28.54 86.01 60.07 80.72 8 13 27 2257.1 -29.53 77.35
 100.00 22 10 28 4803.28 25.29 204.29 48.24 73.51 23 30 31 4203.3 22.79 196.38
 110.00 8 47 20 2602.03 -33.08 67.51 60.92 80.86 9 30 42 2002.0 -33.99 58.38
 110.00 23 5 27 4631.07 29.69 189.69 46.71 72.22 24 22 38 4031.1 26.97 181.56

MID-COURSE EXECUTION ACCURACY
 SGT 965.2 SGR 485.8 SG3 30.2
 RRT .0932 RRF -.0856 RTF -.6784
 SGB 1080.6 R23 -.0012 R13 -.6788
 SGI 966.6 SG2 483.0 TMA 3.58

ORBIT DETERMINATION ACCURACY
 ST 387.0 SR 435.5 SS 365.5
 CRT -.6703 CRS -.7217 CST .9958
 LSA 635.5 MSA 262.6 SSA 15.0
 EL1 533.3 EL2 234.5 ALF 130.00

LAUNCH DATE APR 23 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 12 1967

DISTANCE 151.688

MELIOCENTRIC CONIC
 RL 150.40 LAL -.00 LOL 212.17 VL 17.972 GAL 26.23 AZL 90.17 MCA 46.30 SMA 92.05 ECC .72025 INC .1696 V1 29.625
 RP 108.65 LAP -.12 LOP 258.47 VP 31.640 GAP -45.15 AZP 90.12 TAL 168.38 TAP 214.68 RCA 25.75 APO 158.35 V2 34.877
 RC 80.398 GL -.18 GP 2.82 ZAL 61.03 ZAP 29.24 ETS 187.96 ZAE 134.88 ETE 175.20 ZAC 152.17 ETC 41.26 CLP 29.12

PLANETOCENTRIC CONIC
 C3 258.150 VHL 15.432 DLA 10.91 RAL 153.11 RAD 6571.4 VEL 18.960 PTH 3.08 VMP 25.922 DPA 26.84 RAP 109.52 ECC 4.9194
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 8 24 3104.12 -27.20 103.95 59.62 81.82 7 0 8 2504.1 -28.05 95.38
 90.00 20 53 34 5057.62 23.85 223.45 49.19 74.26 22 17 52 4457.6 21.46 215.59
 100.00 7 35 12 2824.17 -28.88 83.63 59.89 81.93 8 22 16 2224.2 -29.69 74.92
 100.00 22 9 27 4812.80 25.48 204.94 48.67 73.81 23 29 40 4212.8 23.01 197.00
 110.00 8 55 49 2971.90 -33.39 65.21 60.63 82.19 9 38 41 1971.9 -34.10 56.04
 110.00 23 5 19 4637.84 29.83 190.17 47.18 72.48 24 22 37 4037.8 27.14 182.01

MID-COURSE EXECUTION ACCURACY
 SGT 1007.9 SGR 490.2 SG3 32.5
 RRT .0982 RRF -.0907 RTF -.6946
 SGB 1120.8 R23 -.0017 R13 -.6949
 SGI 1009.4 SG2 487.1 TMA 3.56

ORBIT DETERMINATION ACCURACY
 ST 408.0 SR 437.2 SS 383.9
 CRT -.6699 CRS -.7230 CST .9955
 LSA 658.2 MSA 267.6 SSA 15.2
 EL1 546.8 EL2 242.2 ALF 132.05

LAUNCH DATE APR 23 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 14 1967

DISTANCE 157.479

MELIOCENTRIC CONIC
 RL 150.40 LAL -.00 LOL 212.17 VL 18.593 GAL 25.10 AZL 90.41 MCA 49.47 SMA 93.52 ECC .69524 INC .4087 V1 29.625
 RP 108.69 LAP -.31 LOP 261.64 VP 31.986 GAP -43.25 AZP 90.27 TAL 167.50 TAP 216.97 RCA 28.50 APO 158.54 V2 34.867
 RC 78.089 GL -.47 GP 2.90 ZAL 59.87 ZAP 27.84 ETS 188.37 ZAE 135.17 ETE 174.59 ZAC 150.72 ETC 39.27 CLP 27.70

PLANETOCENTRIC CONIC
 C3 218.528 VHL 14.783 DLA 10.23 RAL 154.10 RAD 6571.2 VEL 18.435 PTH 3.04 VMP 24.988 DPA 26.77 RAP 111.49 ECC 4.5964
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 17 54 3069.39 -27.52 101.45 59.36 83.03 7 9 3 2469.4 -28.19 92.85
 90.00 20 51 58 5067.76 24.03 224.13 49.51 74.56 22 16 26 4467.8 21.68 216.25
 100.00 7 44 19 2790.69 -29.18 81.18 59.59 83.18 8 30 49 2190.7 -29.81 72.44
 100.00 22 8 15 4821.69 25.64 205.54 49.01 74.09 23 28 37 4221.7 23.21 197.59
 110.00 9 4 4 2541.12 -33.65 62.84 60.20 83.57 9 46 25 1941.1 -34.17 53.64
 110.00 23 4 59 4644.03 29.96 190.61 47.56 72.71 24 22 23 4044.0 27.30 182.43

MID-COURSE EXECUTION ACCURACY
 SGT 1051.8 SGR 493.8 SG3 34.9
 RRT .1028 RRF -.0958 RTF -.7104
 SGB 1162.0 R23 -.0025 R13 -.7107
 SGI 1053.4 SG2 490.5 TMA 3.53

ORBIT DETERMINATION ACCURACY
 ST 430.3 SR 438.3 SS 402.9
 CRT -.6699 CRS -.7281 CST .9953
 LSA 682.2 MSA 271.9 SSA 15.4
 EL1 561.3 EL2 249.5 ALF 134.20

LAUNCH DATE APR 23 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 16 1967

DISTANCE 163.366

MELIOCENTRIC CONIC
 RL 150.40 LAL -.00 LOL 212.17 VL 19.177 GAL 24.04 AZL 90.63 MCA 52.65 SMA 95.00 ECC .67054 INC .6257 V1 29.625
 RP 108.72 LAP -.50 LOP 264.81 VP 32.318 GAP -41.43 AZP 90.38 TAL 166.63 TAP 219.28 RCA 31.30 APO 158.70 V2 34.857
 RC 75.805 GL -.77 GP 3.00 ZAL 58.77 ZAP 26.47 ETS 188.83 ZAE 135.53 ETE 173.94 ZAC 149.22 ETC 37.46 CLP 26.31

PLANETOCENTRIC CONIC
 C3 200.561 VHL 14.162 DLA 9.54 RAL 155.04 RAD 6571.1 VEL 17.941 PTH 3.00 VMP 24.082 DPA 26.68 RAP 113.48 ECC 4.3007
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 27 10 3034.05 -27.78 98.90 58.99 84.28 7 17 44 2434.0 -28.28 90.27
 90.00 20 50 11 5077.28 24.20 224.78 49.75 74.84 22 14 48 4477.3 21.89 216.87
 100.00 7 53 11 2756.57 -29.42 78.68 59.17 84.48 8 39 8 2156.6 -29.88 69.90
 100.00 22 6 50 4829.97 25.80 206.11 49.26 74.35 23 27 20 4230.0 23.40 198.13
 110.00 9 12 6 2509.65 -33.86 60.41 59.65 84.99 9 53 55 1909.7 -34.18 51.18
 110.00 23 4 25 4649.65 30.07 191.01 47.84 72.92 24 21 55 4049.7 27.44 182.81

MID-COURSE EXECUTION ACCURACY
 SGT 1098.7 SGR 498.9 SG3 37.6
 RRT .1091 RRF -.1018 RTF -.7251
 SGB 1205.8 R23 -.0027 R13 -.7254
 SGI 1100.4 SG2 493.2 TMA 3.54

ORBIT DETERMINATION ACCURACY
 ST 452.7 SR 438.8 SS 422.3
 CRT -.6680 CRS -.7305 CST .9949
 LSA 706.6 MSA 276.3 SSA 15.6
 EL1 575.8 EL2 256.7 ALF 136.34

LAUNCH DATE APR 23 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 18 1967

HELIOCENTRIC CONIC

DISTANCE 169.345

RL 150.40 LAL -.00 LOL 212.17 VL 19.728 GAL 23.03 AZL 90.83 MCA 55.81 SMA 96.48 ECC .64624 INC .8250 V1 29.625
 RP 108.75 LAP -.68 LOP 267.98 VP 32.638 GAP -39.70 AZP 90.46 TAL 165.78 TAP 221.59 RCA 34.13 APO 158.83 V2 34.848
 RC 73.549 GL -1.10 GP 3.10 ZAL 57.71 ZAP 25.11 ETS 189.37 ZAE 135.96 ETE 173.22 ZAC 147.67 ETC 35.81 CLP 24.93

PLANETOCENTRIC CONIC

C3 184.109 VHL 13.569 DLA 8.85 RAL 155.92 RAD 6571.0 VEL 17.477 PTH 2.96 VMP 23.205 DPA 26.57 RAP 115.49 ECC 4.0300
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 36 12 2998.02 -28.00 96.29 58.49 85.58 7 26 10 2398.0 -28.32 87.64
 90.00 20 48 11 5086.20 24.36 225.39 49.89 75.10 22 12 58 4486.2 22.08 217.46
 100.00 8 1 51 2721.76 -29.63 76.11 58.63 85.82 8 47 12 2121.8 -29.89 67.31
 100.00 22 5 13 4837.69 25.94 206.64 49.42 74.59 23 25 51 4237.7 23.57 198.64
 110.00 9 19 55 2477.48 -34.02 57.91 58.97 86.46 10 1 12 1877.5 -34.14 48.67
 110.00 23 3 39 4654.74 30.17 191.37 48.03 73.11 24 21 14 4054.7 27.56 183.15

DIFFERENTIAL CORRECTIONS

TDE .0635 TRA-2.3203 TC3 -.1697 BAU .4192
 RDE -1.0241 RRA -.5786 RC3 .0138 FAU .01187
 FDE -.4349 FRA .9428 FC3 -.0558 BSP 2552
 BDE 1.3396 BRA 2.4001 BC3 .1703 FSP -86

MID-COURSE EXECUTION ACCURACY

SGT 1155.8 SGR 499.6 SG3 40.4
 RRT .1234 RRF -.1107 RTF -.7363
 SGB 1259.2 R23 .0006 R13 -.7365
 SGI 1157.9 SG2 494.9 TMA 3.74

ORBIT DETERMINATION ACCURACY

ST 471.5 SR 438.8 SS 440.8
 CRT -.6552 CRS -.7301 CST .9933
 LSA 727.3 MSA 282.9 SSA 15.9
 EL1 586.3 EL2 266.6 ALF 138.14

LAUNCH DATE APR 23 1967

FLIGHT TIME 88.00

ARRIVAL DATE JUL 20 1967

HELIOCENTRIC CONIC

DISTANCE 175.401

RL 150.40 LAL -.00 LOL 212.17 VL 20.246 GAL 22.06 AZL 91.01 MCA 58.98 SMA 97.95 ECC .62238 INC 1.0097 V1 29.625
 RP 108.77 LAP -.87 LOP 271.14 VP 32.945 GAP -38.04 AZP 90.52 TAL 164.94 TAP 223.92 RCA 36.99 APO 158.92 V2 34.839
 RC 71.325 GL -1.46 GP 3.21 ZAL 56.70 ZAP 23.77 ETS 189.98 ZAE 136.48 ETE 172.45 ZAC 146.09 ETC 34.31 CLP 23.57

PLANETOCENTRIC CONIC

C3 168.998 VHL 13.000 DLA 8.15 RAL 156.75 RAD 6570.8 VEL 17.039 PTH 2.93 VMP 22.352 DPA 26.44 RAP 117.51 ECC 3.7813
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 44 59 2961.30 -28.16 93.61 57.86 86.91 7 34 20 2361.3 -28.29 84.95
 90.00 20 45 58 5094.50 24.51 225.95 49.94 75.35 22 10 53 4494.5 22.25 218.00
 100.00 8 10 15 2686.24 -29.77 73.48 57.96 87.19 8 55 2 2086.2 -29.84 64.67
 100.00 22 3 23 4844.79 26.06 207.13 49.48 74.82 23 24 7 4244.8 23.73 199.11
 110.00 9 27 29 2444.55 -34.13 55.34 58.17 87.98 10 8 14 1844.6 -34.03 46.10
 110.00 23 2 38 4659.25 30.26 191.69 48.12 73.28 24 20 17 4059.2 27.67 183.45

DIFFERENTIAL CORRECTIONS

TDE .9278 TRA-2.2897 TC3 -.1650 BAU .3748
 RDE -.9771 RRA -.5651 RC3 .0165 FAU .01237
 FDE -.4625 FRA .9634 FC3 -.0634 BSP 4069
 BDE 1.3475 BRA 2.3584 BC3 .1659 FSP -110

MID-COURSE EXECUTION ACCURACY

SGT 1179.3 SGR 500.6 SG3 43.5
 RRT .1050 RRF -.1089 RTF -.7595
 SGB 1281.1 R23 -.0120 R13 -.7599
 SGI 1180.7 SG2 497.3 TMA 3.10

ORBIT DETERMINATION ACCURACY

ST 510.8 SR 437.2 SS 465.9
 CRT -.6852 CRS -.7399 CST .9959
 LSA 769.4 MSA 277.3 SSA 15.6
 EL1 618.9 EL2 262.8 ALF 141.42

LAUNCH DATE APR 23 1967

FLIGHT TIME 90.00

ARRIVAL DATE JUL 22 1967

HELIOCENTRIC CONIC

DISTANCE 181.541

RL 150.40 LAL -.00 LOL 212.17 VL 20.735 GAL 21.15 AZL 91.18 MCA 62.15 SMA 99.42 ECC .59908 INC 1.1824 V1 29.625
 RP 108.80 LAP -1.05 LOP 274.31 VP 33.239 GAP -36.46 AZP 90.55 TAL 164.12 TAP 226.27 RCA 39.86 APO 158.98 V2 34.831
 RC 69.138 GL -1.84 GP 3.33 ZAL 55.74 ZAP 22.46 ETS 190.69 ZAE 137.08 ETE 171.60 ZAC 144.47 ETC 32.93 CLP 22.22

PLANETOCENTRIC CONIC

C3 155.177 VHL 12.457 DLA 7.44 RAL 157.52 RAD 6570.7 VEL 16.628 PTH 2.89 VMP 21.527 DPA 26.29 RAP 119.53 ECC 3.5538
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 53 34 2923.83 -28.27 90.88 57.12 88.28 7 42 18 2323.8 -28.21 82.21
 90.00 20 43 32 5102.36 24.64 226.49 49.89 75.59 22 8 34 4502.4 22.42 218.52
 100.00 8 18 29 2649.95 -29.86 70.78 57.17 88.61 9 2 39 2049.9 -29.74 61.98
 100.00 22 1 18 4851.47 26.18 207.59 49.45 75.04 23 22 9 4251.5 23.87 199.55
 110.00 9 34 54 2410.85 -34.18 52.71 57.26 89.54 10 15 4 1810.8 -33.87 43.48
 110.00 23 1 23 4663.33 30.34 191.98 48.11 73.44 24 19 7 4063.3 27.77 183.73

DIFFERENTIAL CORRECTIONS

TDE .9178 TRA-2.3236 TC3 -.1770 BAU .3694
 RDE -.9324 RRA -.5527 RC3 .0192 FAU .01243
 FDE -.4809 FRA .9986 FC3 -.0694 BSP 3817
 BDE 1.3083 BRA 2.3884 BC3 .1781 FSP -114

MID-COURSE EXECUTION ACCURACY

SGT 1238.7 SGR 501.9 SG3 46.8
 RRT .1192 RRF -.1183 RTF -.7698
 SGB 1336.5 R23 -.0089 R13 -.7702
 SGI 1240.4 SG2 497.6 TMA 3.30

ORBIT DETERMINATION ACCURACY

ST 531.9 SR 435.7 SS 486.0
 CRT -.6739 CRS -.7393 CST .9947
 LSA 793.0 MSA 282.4 SSA 15.9
 EL1 631.9 EL2 270.9 ALF 143.30

LAUNCH DATE APR 23 1967

FLIGHT TIME 92.00

ARRIVAL DATE JUL 24 1967

HELIOCENTRIC CONIC

DISTANCE 187.754

RL 150.40 LAL -.00 LOL 212.17 VL 21.194 GAL 20.28 AZL 91.35 MCA 65.32 SMA 100.88 ECC .57636 INC 1.3452 V1 29.625
 RP 108.82 LAP -1.22 LOP 277.47 VP 33.519 GAP -34.94 AZP 90.56 TAL 163.31 TAP 228.63 RCA 42.74 APO 159.02 V2 34.824
 RC 66.992 GL -2.24 GP 3.46 ZAL 54.83 ZAP 21.15 ETS 191.51 ZAE 137.77 ETE 170.66 ZAC 142.82 ETC 31.67 CLP 20.88

PLANETOCENTRIC CONIC

C3 142.502 VHL 11.937 DLA 6.72 RAL 158.23 RAD 6570.5 VEL 16.243 PTH 2.85 VMP 20.726 DPA 26.13 RAP 121.57 ECC 3.3452
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 1 58 2885.56 -28.32 88.08 56.27 89.68 7 50 4 2285.6 -28.06 79.42
 90.00 20 40 50 5109.76 24.76 226.99 49.76 75.81 22 6 0 4509.8 22.57 219.01
 100.00 8 26 31 2612.86 -29.89 68.03 56.28 90.06 9 10 4 2012.9 -29.56 59.24
 100.00 21 58 59 4857.69 26.29 208.02 49.32 75.24 23 19 56 4257.7 24.01 199.97
 110.00 9 42 6 2376.34 -34.17 50.02 56.22 91.13 10 21 42 1776.3 -33.63 40.81
 110.00 22 59 53 4666.98 30.41 192.24 48.01 73.58 24 17 40 4067.0 27.86 183.98

DIFFERENTIAL CORRECTIONS

TDE .9184 TRA-2.3447 TC3 -.1864 BAU .3577
 RDE -.8878 RRA -.5394 RC3 .0224 FAU .01259
 FDE -.5016 FRA 1.0312 FC3 -.0765 BSP 3844
 BDE 1.2774 BRA 2.4059 BC3 .1878 FSP -122

MID-COURSE EXECUTION ACCURACY

SGT 1294.8 SGR 502.4 SG3 50.4
 RRT .1288 RRF -.1266 RTF -.7813
 SGB 1388.8 R23 -.0086 R13 -.7817
 SGI 1296.7 SG2 497.5 TMA 3.36

ORBIT DETERMINATION ACCURACY

ST 556.8 SR 433.2 SS 507.6
 CRT -.6685 CRS -.7401 CST .9939
 LSA 820.8 MSA 285.3 SSA 16.1
 EL1 649.1 EL2 276.4 ALF 145.39

LAUNCH DATE APR 23 1967

FLIGHT TIME 94.00

ARRIVAL DATE JUL 26 1967

HELIOCENTRIC CONIC

DISTANCE 194.032
 RL 150.40 LAL -1.00 LOL 212.17 VL 21.627 GAL 19.44 AZL 91.50 MCA 68.48 SMA 102.32 ECC .55426 INC 1.4999 V1 29.625
 RP 108.84 LAP -1.40 LOP 280.64 VP 33.787 GAP -33.48 AZP 90.55 TAL 162.53 TAP 231.01 RCA 45.61 APO 159.03 V2 34.817
 RC 64.892 GL -2.67 GP 3.60 ZAL 53.96 ZAP 19.87 ETS 192.47 ZAE 138.55 ETE 169.64 ZAC 141.14 ETC 30.52 CLP 19.56

PLANETOCENTRIC CONIC

C3 130.880 VHL 11.440 CLA 6.00 RAL 158.89 RAD 6570.4 VEL 15.881 PTH 2.81 VMP 19.949 DPA 25.95 RAP 123.61 ECC 3.1540
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 10 11 2846.47 -28.30 85.22 55.31 91.11 7 57 37 2246.5 -27.84 76.58
 90.00 20 37 53 5116.78 24.88 227.48 49.53 76.03 22 3 10 4516.8 22.71 219.47
 100.00 8 34 22 2574.94 -29.86 65.21 55.27 91.54 9 17 17 1974.9 -29.32 56.44
 100.00 21 56 23 4863.54 26.39 208.43 49.10 75.43 23 17 27 4263.5 24.13 200.36
 110.00 9 49 7 2340.99 -34.09 47.26 55.08 92.76 10 28 8 1741.0 -33.33 38.10
 110.00 22 58 8 4670.25 30.47 192.48 47.82 73.70 24 15 58 4070.3 27.94 184.20

DIFFERENTIAL CORRECTIONS

TDE .9240 TRA-2.3591 TC3 -.1942 BAU .3428
 RDE -.8437 RRA -.5257 RC3 .0259 FAU .01280
 FDE -.5240 FRA 1.0639 FC3 -.0847 BSP 4005
 BDE 1.2513 BRA 2.4170 BC3 .1959 FSP -133

MID-COURSE EXECUTION ACCURACY

SGT 1350.2 SGR 502.1 SG3 54.2
 RRT .1366 RRF -.1347 RTF -.7933
 SGB 1440.5 R23 -.0095 R13 -.7936
 SG1 1352.2 SG2 496.7 TMA 3.36

ORBIT DETERMINATION ACCURACY

ST 584.3 SR 429.9 SS 530.5
 CRT -.6659 CRS -.7414 CST .9934
 LSA 851.6 MSA 286.7 SSA 16.3
 EL1 669.2 EL2 280.1 ALF 147.54

LAUNCH DATE APR 23 1967

FLIGHT TIME 96.00

ARRIVAL DATE JUL 28 1967

HELIOCENTRIC CONIC

DISTANCE 200.373
 RL 150.40 LAL -1.00 LOL 212.17 VL 22.034 GAL 18.65 AZL 91.65 MCA 71.64 SMA 103.74 ECC .53281 INC 1.6480 V1 29.625
 RP 108.86 LAP -1.56 LOP 283.80 VP 34.043 GAP -32.08 AZP 90.52 TAL 161.77 TAP 233.41 RCA 48.47 APO 159.01 V2 34.810
 RC 62.843 GL -3.14 GP 3.75 ZAL 53.15 ZAP 18.61 ETS 193.61 ZAE 139.42 ETE 168.50 ZAC 139.43 ETC 29.46 CLP 18.24

PLANETOCENTRIC CONIC

C3 120.228 VHL 10.965 DLA 5.25 RAL 159.49 RAD 6570.3 VEL 15.542 PTH 2.77 VMP 19.194 DPA 25.76 RAP 125.65 ECC 2.9786
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 18 13 2806.51 -28.21 82.30 54.24 92.57 8 5 0 2206.5 -27.55 73.69
 90.00 20 34 40 5123.51 24.99 227.94 49.21 76.23 22 0 3 4523.5 22.85 219.92
 100.00 8 42 3 2536.15 -29.75 62.33 54.15 93.06 9 24 19 1936.1 -29.01 53.60
 100.00 21 53 31 4869.10 26.49 208.81 48.79 75.61 23 14 41 4269.1 24.25 200.73
 110.00 9 55 58 2304.79 -33.93 44.44 53.83 94.42 10 34 23 1704.8 -32.95 35.34
 110.00 22 56 5 4673.22 30.53 192.69 47.54 73.82 24 13 59 4073.2 28.01 184.40

DIFFERENTIAL CORRECTIONS

TDE .9320 TRA-2.3691 TC3 -.2008 BAU .3262
 RDE -.8000 RRA -.5116 RC3 .0299 FAU .01306
 FDE -.5478 FRA 1.0973 FC3 -.0941 BSP 4244
 BDE 1.2283 BRA 2.4237 BC3 .2030 FSP -145

MID-COURSE EXECUTION ACCURACY

SGT 1405.9 SGR 501.1 SG3 58.3
 RRT .1437 RRF -.1431 RTF -.8051
 SGB 1492.5 R23 -.0112 R13 -.8055
 SG1 1408.0 SG2 495.2 TMA 3.35

ORBIT DETERMINATION ACCURACY

ST 613.6 SR 425.7 SS 554.5
 CRT -.6645 CRS -.7428 CST .9931
 LSA 884.7 MSA 287.0 SSA 16.4
 EL1 691.4 EL2 282.3 ALF 149.67

LAUNCH DATE APR 23 1967

FLIGHT TIME 98.00

ARRIVAL DATE JUL 30 1967

HELIOCENTRIC CONIC

DISTANCE 206.770
 RL 150.40 LAL -1.00 LOL 212.17 VL 22.417 GAL 17.88 AZL 91.79 MCA 74.81 SMA 105.14 ECC .51204 INC 1.7906 V1 29.625
 RP 108.88 LAP -1.73 LOP 286.96 VP 34.286 GAP -30.74 AZP 90.47 TAL 161.03 TAP 235.84 RCA 51.30 APO 158.97 V2 34.805
 RC 60.850 GL -3.64 GP 3.92 ZAL 52.38 ZAP 17.36 ETS 194.96 ZAE 140.38 ETE 167.23 ZAC 137.70 ETC 28.49 CLP 16.93

PLANETOCENTRIC CONIC

C3 110.468 VHL 10.510 DLA 4.50 RAL 160.04 RAD 6570.1 VEL 15.225 PTH 2.73 VMP 18.462 DPA 25.55 RAP 127.70 ECC 2.8180
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 26 7 2765.65 -28.05 79.32 53.06 94.06 8 12 12 2165.6 -27.19 70.76
 90.00 20 31 8 5130.05 25.10 228.39 48.80 76.43 21 56 38 4530.0 22.98 220.36
 100.00 8 49 34 2496.47 -29.57 59.39 52.93 94.59 9 31 10 1896.5 -28.62 50.72
 100.00 21 50 22 4874.46 26.58 209.19 48.39 75.79 23 11 36 4274.5 24.36 201.09
 110.00 10 2 39 2267.72 -33.70 41.57 52.48 96.10 10 40 27 1667.7 -32.49 32.55
 110.00 22 53 46 4675.97 30.58 192.89 47.16 73.92 24 11 42 4076.0 28.07 184.59

DIFFERENTIAL CORRECTIONS

TDE .9365 TRA-2.3806 TC3 -.2079 BAU .3111
 RDE -.7570 RRA -.4974 RC3 .0344 FAU .01333
 FDE -.5723 FRA 1.1322 FC3 -.1045 BSP 4412
 BDE 1.2042 BRA 2.4320 BC3 .2107 FSP -157

MID-COURSE EXECUTION ACCURACY

SGT 1465.0 SGR 499.5 SG3 62.8
 RRT .1527 RRF -.1527 RTF -.8159
 SGB 1547.8 R23 -.0124 R13 -.8163
 SG1 1467.2 SG2 492.9 TMA 3.36

ORBIT DETERMINATION ACCURACY

ST 642.9 SR 420.7 SS 579.3
 CRT -.6613 CRS -.7435 CST .9925
 LSA 918.2 MSA 287.2 SSA 16.5
 EL1 713.8 EL2 284.2 ALF 151.73

LAUNCH DATE APR 23 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 1 1967

HELIOCENTRIC CONIC

DISTANCE 213.219
 RL 150.40 LAL -1.00 LOL 212.17 VL 22.777 GAL 17.15 AZL 91.93 MCA 77.97 SMA 106.51 ECC .49196 INC 1.9290 V1 29.625
 RP 108.90 LAP -1.89 LOP 290.13 VP 34.518 GAP -29.44 AZP 90.40 TAL 160.32 TAP 238.29 RCA 54.11 APO 158.91 V2 34.800
 RC 58.919 GL -4.17 GP 4.10 ZAL 51.67 ZAP 16.13 ETS 196.57 ZAE 141.43 ETE 165.82 ZAC 135.95 ETC 27.60 CLP 15.62

PLANETOCENTRIC CONIC

C3 101.528 VHL 10.076 DLA 3.73 RAL 160.53 RAD 6570.0 VEL 14.929 PTH 2.69 VMP 17.752 DPA 25.34 RAP 129.75 ECC 2.6709
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 33 51 2723.85 -27.81 76.29 51.80 95.56 8 19 15 2123.8 -26.75 67.78
 90.00 20 27 17 5136.51 25.20 228.83 48.31 76.64 21 52 53 4536.5 23.11 220.79
 100.00 8 56 56 2455.86 -29.31 56.40 51.62 96.14 9 37 52 1855.9 -28.15 47.79
 100.00 21 46 53 4879.73 26.66 209.55 47.91 75.96 23 8 12 4279.7 24.47 201.44
 110.00 10 9 11 2229.75 -33.39 38.65 51.04 97.81 10 46 21 1629.7 -31.95 29.72
 110.00 22 51 7 4678.61 30.63 193.08 46.70 74.02 24 9 6 4078.6 28.14 184.77

DIFFERENTIAL CORRECTIONS

TDE .9428 TRA-2.3880 TC3 -.2134 BAU .2946
 RDE -.7146 RRA -.4830 RC3 .0394 FAU .01365
 FDE -.5986 FRA 1.1680 FC3 -.1164 BSP 4643
 BDE 1.1831 BRA 2.4363 BC3 .2171 FSP -171

MID-COURSE EXECUTION ACCURACY

SGT 1524.5 SGR 497.2 SG3 67.7
 RRT .1617 RRF -.1630 RTF -.8266
 SGB 1603.5 R23 -.0142 R13 -.8270
 SG1 1526.9 SG2 489.9 TMA 3.36

ORBIT DETERMINATION ACCURACY

ST 674.0 SR 414.7 SS 605.3
 CRT -.6590 CRS -.7443 CST .9921
 LSA 954.1 MSA 286.3 SSA 16.6
 EL1 738.3 EL2 284.7 ALF 153.73

LAUNCH DATE APR 23 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 3 1967

HELIOCENTRIC CONIC

DISTANCE 219.715

RL 150.40 LAL -.00 LOL 212.17 VL 23.115 GAL 16.45 AZL 92.06 MCA 81.13 SMA 107.86 ECC .47260 INC 2.0641 V1 29.625
 RP 108.91 LAP -2.04 LOP 293.29 VP 34.738 GAP -28.20 AZP 90.32 TAL 159.63 TAP 240.76 RCA 56.88 APO 158.83 V2 34.795
 RC 57.057 GL -4.74 GP 4.30 ZAL 51.01 ZAP 14.93 ETS 198.52 ZAE 142.58 ETE 164.23 ZAC 134.19 ETC 26.77 CLP 14.31

PLANETOCENTRIC CONIC

C3 93.345 VML 9.662 DLA 2.94 RAL 160.96 RAD 6569.8 VEL 14.652 PTH 2.65 VMP 17.063 DPA 25.12 RAP 131.80 ECC 2.5362
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 41 29 2681.09 -27.49 73.20 50.44 97.08 8 26 10 2081.1 -26.22 64.76
 90.00 20 23 5 5143.02 25.30 229.28 47.73 76.84 21 48 48 4543.0 23.24 221.22
 100.00 9 4 11 2414.30 -28.97 53.36 50.22 97.71 9 44 26 1814.3 -27.60 44.83
 100.00 21 43 3 4885.04 26.75 209.92 47.34 76.14 23 4 28 4285.0 24.58 201.80
 110.00 10 15 34 2190.87 -32.99 35.69 49.51 99.52 10 52 5 1590.9 -31.32 26.86
 110.00 22 48 9 4681.24 30.68 193.27 46.16 74.13 24 6 11 4081.2 28.20 184.95

DIFFERENTIAL CORRECTIONS

TOE .9493 TRA-2.3932 TC3 -.2182 BAU .2780
 ROE -.6728 RRA -.4687 RC3 .0450 FAU .01400
 FDE -.6264 FRA 1.2052 FC3 -.1298 BSP 4885
 BDE 1.1635 BRA 2.4387 BC3 .2227 FSP -186

MID-COURSE EXECUTION ACCURACY

SGT 1585.6 SGR 494.2 SG3 73.0
 RRT .1714 RRF -.1744 RTF -.8368
 SGB 1660.8 R23 -.0163 R13 -.8372
 SG1 1588.1 SG2 486.1 TMA 3.37

ORBIT DETERMINATION ACCURACY

ST 706.3 SR 407.6 SS 632.6
 CRT -.6566 CRS -.7447 CST .9917
 LSA 991.9 MSA 284.8 SSA 16.7
 EL1 764.4 EL2 284.1 ALF 155.67

LAUNCH DATE APR 23 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 5 1967

HELIOCENTRIC CONIC

DISTANCE 226.254

RL 150.40 LAL -.00 LOL 212.17 VL 23.433 GAL 15.78 AZL 92.20 MCA 84.29 SMA 109.17 ECC .45396 INC 2.1969 V1 29.625
 RP 108.92 LAP -2.19 LOP 296.45 VP 34.946 GAP -27.00 AZP 90.22 TAL 158.97 TAP 243.26 RCA 59.61 APO 158.73 V2 34.792
 RC 55.270 GL -5.35 GP 4.52 ZAL 50.41 ZAP 13.76 ETS 200.89 ZAE 143.82 ETE 162.43 ZAC 132.41 ETC 26.01 CLP 13.01

PLANETOCENTRIC CONIC

C3 85.859 VML 9.266 DLA 2.12 RAL 161.33 RAD 6569.7 VEL 14.395 PTH 2.62 VMP 16.395 DPA 24.89 RAP 133.85 ECC 2.4130
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 49 0 2637.33 -27.08 70.06 49.00 98.60 8 32 57 2037.3 -25.61 61.70
 90.00 20 18 31 5149.73 25.40 229.75 47.08 77.05 21 44 20 4549.7 23.37 221.67
 100.00 9 11 19 2371.77 -28.54 50.27 48.74 99.28 9 50 51 1771.8 -26.96 41.82
 100.00 21 38 52 4890.52 26.84 210.31 46.70 76.32 23 0 22 4290.5 24.69 202.17
 110.00 10 21 50 2151.06 -32.50 32.69 47.91 101.23 10 57 41 1551.1 -30.61 23.98
 110.00 22 44 50 4683.99 30.73 193.47 45.53 74.23 24 2 54 4084.0 28.26 185.14

DIFFERENTIAL CORRECTIONS

TOE .9522 TRA-2.3997 TC3 -.2233 BAU .2629
 ROE -.6316 RRA -.4547 RC3 .0511 FAU .01435
 FDE -.6553 FRA 1.2444 FC3 -.1447 BSP 5055
 BDE 1.1426 BRA 2.4424 BC3 .2290 FSP -202

MID-COURSE EXECUTION ACCURACY

SGT 1650.1 SGR 490.6 SG3 78.7
 RRT .1836 RRF -.1875 RTF -.8460
 SGB 1721.4 R23 -.0181 R13 -.8464
 SG1 1652.7 SG2 481.5 TMA 3.41

ORBIT DETERMINATION ACCURACY

ST 738.4 SR 399.6 SS 660.8
 CRT -.6521 CRS -.7443 CST .9910
 LSA 1030.1 MSA 283.1 SSA 16.9
 EL1 790.5 EL2 283.0 ALF 157.53

LAUNCH DATE APR 23 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 7 1967

HELIOCENTRIC CONIC

DISTANCE 232.830

RL 150.40 LAL -.00 LOL 212.17 VL 23.732 GAL 15.14 AZL 92.33 MCA 87.45 SMA 110.45 ECC .43604 INC 2.3282 V1 29.625
 RP 108.93 LAP -2.33 LOP 299.61 VP 35.145 GAP -25.84 AZP 90.10 TAL 158.34 TAP 245.79 RCA 62.29 APO 158.61 V2 34.789
 RC 53.566 GL -6.01 GP 4.76 ZAL 49.86 ZAP 12.63 ETS 203.80 ZAE 145.15 ETE 160.38 ZAC 130.61 ETC 25.31 CLP 11.71

PLANETOCENTRIC CONIC

C3 79.016 VML 8.889 DLA 1.29 RAL 161.64 RAD 6569.5 VEL 14.155 PTH 2.58 VMP 15.746 DPA 24.67 RAP 135.89 ECC 2.3004
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 56 26 2592.55 -26.59 66.88 47.50 100.12 8 39 38 1992.5 -24.92 58.61
 90.00 20 13 32 5156.79 25.51 230.24 46.35 77.27 21 39 29 4556.8 23.50 222.14
 100.00 9 18 22 2328.24 -28.02 47.14 47.20 100.85 9 57 10 1728.2 -26.24 38.79
 100.00 21 34 17 4896.33 26.93 210.71 45.98 76.52 22 55 53 4296.3 24.81 202.56
 110.00 10 27 59 2110.33 -31.92 29.65 46.25 102.94 11 3 9 1510.3 -29.81 21.08
 110.00 22 41 9 4687.00 30.79 193.68 44.84 74.35 23 59 16 4087.0 28.33 185.34

DIFFERENTIAL CORRECTIONS

TOE .9577 TRA-2.4015 TC3 -.2260 BAU .2465
 ROE -.5910 RRA -.4409 RC3 .0580 FAU .01477
 FDE -.6868 FRA 1.2848 FC3 -.1618 BSP 5297
 BDE 1.1254 BRA 2.4416 BC3 .2334 FSP -220

MID-COURSE EXECUTION ACCURACY

SGT 1714.6 SGR 486.4 SG3 84.9
 RRT .1961 RRF -.2019 RTF -.8551
 SGB 1782.2 R23 -.0206 R13 -.8556
 SG1 1717.5 SG2 476.1 TMA 3.45

ORBIT DETERMINATION ACCURACY

ST 772.6 SR 390.4 SS 690.8
 CRT -.6484 CRS -.7438 CST .9906
 LSA 1071.3 MSA 280.4 SSA 16.9
 EL1 819.0 EL2 280.4 ALF 159.33

LAUNCH DATE APR 23 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC

DISTANCE 239.440

RL 150.40 LAL -.00 LOL 212.17 VL 24.013 GAL 14.52 AZL 92.46 MCA 90.61 SMA 111.70 ECC .41885 INC 2.4589 V1 29.625
 RP 108.94 LAP -2.46 LOP 302.77 VP 35.333 GAP -24.72 AZP 89.97 TAL 157.74 TAP 248.35 RCA 64.91 APO 158.48 V2 34.786
 RC 51.953 GL -6.71 GP 5.03 ZAL 49.38 ZAP 11.55 ETS 207.40 ZAE 146.55 ETE 158.04 ZAC 128.80 ETC 24.66 CLP 10.41

PLANETOCENTRIC CONIC

C3 72.767 VML 8.530 DLA .43 RAL 161.88 RAD 6569.4 VEL 13.933 PTH 2.54 VMP 15.118 DPA 24.44 RAP 137.93 ECC 2.1976
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 3 48 2546.71 -26.00 63.65 45.92 101.64 8 46 14 1946.7 -24.13 55.48
 90.00 20 8 8 5164.39 25.62 230.76 45.56 77.51 21 34 12 4564.4 23.65 222.65
 100.00 9 25 20 2283.69 -27.41 43.97 45.59 102.41 10 3 24 1683.7 -25.43 35.73
 100.00 21 29 16 4902.64 27.03 211.16 45.20 76.73 22 50 59 4302.6 24.94 202.98
 110.00 10 34 2 2068.66 -31.24 26.59 44.53 104.63 11 8 31 1468.7 -28.92 18.16
 110.00 22 37 4 4690.44 30.85 193.93 44.08 74.49 23 55 14 4090.4 28.41 185.58

DIFFERENTIAL CORRECTIONS

TOE .9630 TRA-2.4014 TC3 -.2275 BAU .2303
 ROE -.5510 RRA -.4275 RC3 .0656 FAU .01523
 FDE -.7205 FRA 1.3271 FC3 -.1812 BSP 5539
 BDE 1.1095 BRA 2.4392 BC3 .2367 FSP -240

MID-COURSE EXECUTION ACCURACY

SGT 1780.7 SGR 481.6 SG3 91.6
 RRT .2103 RRF -.2182 RTF -.8638
 SGB 1844.6 R23 -.0234 R13 -.8642
 SG1 1783.7 SG2 470.0 TMA 3.50

ORBIT DETERMINATION ACCURACY

ST 807.9 SR 380.0 SS 722.3
 CRT -.6441 CRS -.7426 CST .9901
 LSA 1114.4 MSA 277.0 SSA 17.0
 EL1 848.8 EL2 276.7 ALF 161.06

LAUNCH DATE APR 23 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC
 RL 150.40 LAL -0.00 LOL 212.17 VL 24.276 GAL 13.94 AZL 92.59 MCA 93.77 SMA 112.90 ECC .40238 INC 2.5896 V1 29.625
 RP 108.94 LAP -2.58 LOP 305.93 VP 35.510 GAP -23.65 AZP 89.83 TAL 157.17 TAP 250.94 RCA 67.47 APO 158.34 V2 34.785
 RC 50.440 GL -7.47 GP 5.33 ZAL 48.95 ZAP 10.53 ETS 211.88 ZAE 148.02 ETE 155.34 ZAC 126.99 ETC 24.07 CLP 9.10

PLANETOCENTRIC CONIC
 C3 67.066 VHL 8.189 DLA -0.47 RAL 162.06 RAD 6569.3 VEL 13.727 PTH 2.51 VMP 14.508 DPA 24.22 RAP 139.97 ECC 2.1037
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 11 8 2499.79 -25.31 60.38 44.30 103.14 8 52 47 1899.8 -23.25 52.32
 90.00 20 2 15 5172.72 25.74 231.34 44.70 103.96 10 9 33 1638.1 -24.52 32.65
 100.00 9 32 15 2238.10 -26.70 40.77 43.93 103.96 10 9 33 1638.1 -24.52 32.65
 100.00 21 23 48 4909.64 27.14 211.65 44.35 76.97 22 45 38 4309.6 25.08 203.46
 110.00 10 40 0 2026.04 -30.47 23.51 42.77 106.31 11 13 46 1426.0 -27.93 15.23
 110.00 22 32 33 4694.47 30.92 194.22 43.25 74.64 23 50 47 4094.5 28.51 185.86

DIFFERENTIAL CORRECTIONS
 TOE .9683 TRA-2.3994 TC3 -.2274 BAU .2144
 RDE -.5116 RRA -.4147 RC3 .0740 FAU .01573
 FDE -.7569 FRA 1.3715 FC3 -.2030 BSP 5780
 BDE 1.0951 BRA 2.4349 BC3 .2391 FSP -261

MID-COURSE EXECUTION ACCURACY
 SGT 1848.2 SGR 476.4 SG3 99.0
 RRT .2266 RRF -.2368 RTF -.8719
 SGB 1908.6 R23 -.0266 R13 -.8725
 SGI 1851.5 SG2 463.2 TMA 3.57

ORBIT DETERMINATION ACCURACY
 ST 844.2 SR 368.4 SS 755.6
 CRT -.6388 CRS -.7405 CST .9896
 LSA 1159.5 MSA 273.1 SSA 17.1
 EL1 880.0 EL2 271.9 ALF 162.72

LAUNCH DATE APR 23 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC
 RL 150.40 LAL -0.00 LOL 212.17 VL 24.523 GAL 13.37 AZL 92.72 MCA 96.92 SMA 114.07 ECC .38663 INC 2.7213 V1 29.625
 RP 108.94 LAP -2.70 LOP 309.10 VP 35.679 GAP -22.61 AZP 89.67 TAL 156.63 TAP 253.56 RCA 69.97 APO 158.18 V2 34.784
 RC 49.035 GL -8.28 GP 5.65 ZAL 48.60 ZAP 9.61 ETS 217.47 ZAE 149.54 ETE 152.22 ZAC 125.16 ETC 23.51 CLP 7.78

PLANETOCENTRIC CONIC
 C3 61.873 VHL 7.866 DLA -1.39 RAL 162.18 RAD 6569.2 VEL 13.536 PTH 2.47 VMP 13.918 DPA 24.01 RAP 142.00 ECC 2.0183
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 18 27 2451.75 -24.53 57.08 42.63 104.61 8 59 18 1851.7 -22.28 49.13
 90.00 19 55 51 5182.00 25.88 231.99 43.78 105.48 10 15 40 1591.4 -23.52 29.54
 100.00 9 39 8 2191.44 -25.90 37.54 42.23 105.48 10 15 40 1591.4 -23.52 29.54
 100.00 21 17 51 4917.54 27.26 212.20 43.44 77.24 22 39 48 4317.5 25.23 203.99
 110.00 10 45 54 1982.46 -29.59 20.42 40.97 107.94 11 18 56 1382.5 -26.86 12.30
 110.00 22 27 34 4699.28 31.01 194.57 42.38 74.83 23 45 54 4099.3 28.62 186.19

DIFFERENTIAL CORRECTIONS
 TOE .9741 TRA-2.3947 TC3 -.2252 BAU .1986
 RDE -.4726 RRA -.4027 RC3 .0832 FAU .01628
 FDE -.7963 FRA 1.4180 FC3 -.2278 BSP 6033
 BDE 1.0827 BRA 2.4283 BC3 .2401 FSP -285

MID-COURSE EXECUTION ACCURACY
 SGT 1916.6 SGR 470.9 SG3 107.0
 RRT .2453 RRF -.2580 RTF -.8798
 SGB 1973.6 R23 -.0302 R13 -.8803
 SGI 1920.3 SG2 455.6 TMA 3.65

ORBIT DETERMINATION ACCURACY
 ST 881.8 SR 355.3 SS 791.0
 CRT -.6326 CRS -.7374 CST .9891
 LSA 1207.1 MSA 268.4 SSA 17.1
 EL1 912.8 EL2 265.9 ALF 164.34

LAUNCH DATE APR 23 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC
 RL 150.40 LAL -0.00 LOL 212.17 VL 24.754 GAL 12.83 AZL 92.85 MCA 100.08 SMA 115.20 ECC .37158 INC 2.8548 V1 29.625
 RP 108.94 LAP -2.81 LOP 312.26 VP 35.838 GAP -21.60 AZP 89.50 TAL 156.13 TAP 256.21 RCA 72.40 APO 158.01 V2 34.784
 RC 47.750 GL -9.15 GP 6.01 ZAL 48.30 ZAP 8.81 ETS 224.39 ZAE 151.07 ETE 148.58 ZAC 123.33 ETC 23.00 CLP 6.45

PLANETOCENTRIC CONIC
 C3 57.148 VHL 7.560 DLA -2.35 RAL 162.23 RAD 6569.0 VEL 13.361 PTH 2.44 VMP 13.346 DPA 23.82 RAP 144.02 ECC 1.9405
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 25 47 2402.54 -23.64 53.75 40.93 106.06 9 5 49 1802.5 -21.21 45.92
 90.00 19 48 54 5192.49 26.02 232.73 42.82 106.96 10 21 45 1543.7 -22.43 26.42
 100.00 9 46 2 2143.68 -24.99 34.28 40.50 106.96 10 21 45 1543.7 -22.43 26.42
 100.00 21 11 21 4926.58 27.40 212.84 42.49 77.55 22 33 27 4326.6 25.40 204.61
 110.00 10 51 45 1937.92 -28.62 17.32 39.15 109.54 11 24 3 1337.9 -25.69 9.37
 110.00 22 22 6 4705.10 31.11 194.99 41.45 75.06 23 40 31 4105.1 28.75 186.59

DIFFERENTIAL CORRECTIONS
 TOE .9801 TRA-2.3883 TC3 -.2212 BAU .1834
 RDE -.4340 RRA -.3916 RC3 .0933 FAU .01688
 FDE -.8392 FRA 1.4672 FC3 -.2557 BSP 6278
 BDE 1.0719 BRA 2.4202 BC3 .2401 FSP -311

MID-COURSE EXECUTION ACCURACY
 SGT 1986.4 SGR 465.1 SG3 115.7
 RRT .2669 RRF -.2825 RTF -.8871
 SGB 2040.1 R23 -.0343 R13 -.8877
 SGI 1990.5 SG2 447.3 TMA 3.77

ORBIT DETERMINATION ACCURACY
 ST 920.5 SR 340.8 SS 828.5
 CRT -.6246 CRS -.7327 CST .9887
 LSA 1257.0 MSA 263.3 SSA 17.2
 EL1 946.8 EL2 258.8 ALF 165.90

LAUNCH DATE APR 23 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC
 RL 150.40 LAL -0.00 LOL 212.17 VL 24.971 GAL 12.31 AZL 92.99 MCA 103.24 SMA 116.29 ECC .35724 INC 2.9909 V1 29.625
 RP 108.94 LAP -2.91 LOP 315.42 VP 35.989 GAP -20.63 AZP 89.31 TAL 155.66 TAP 258.90 RCA 74.75 APO 157.83 V2 34.785
 RC 46.594 GL -10.08 GP 6.41 ZAL 48.08 ZAP 8.20 ETS 232.79 ZAE 152.58 ETE 144.34 ZAC 121.50 ETC 22.53 CLP 5.12

PLANETOCENTRIC CONIC
 C3 52.859 VHL 7.270 DLA -3.36 RAL 162.21 RAD 6568.9 VEL 13.199 PTH 2.41 VMP 12.792 DPA 23.65 RAP 146.04 ECC 1.8699
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 33 10 2352.11 -22.63 50.39 39.21 107.46 9 12 22 1752.1 -20.05 42.68
 90.00 19 41 21 5204.43 26.18 233.56 41.81 108.41 21 8 5 4604.4 24.37 225.36
 100.00 9 52 57 2094.77 -23.98 31.00 38.74 108.41 10 27 51 1494.8 -21.24 23.27
 100.00 21 4 15 4937.01 27.55 213.58 41.49 77.91 22 26 32 4337.0 25.60 205.32
 110.00 10 57 35 1892.39 -27.54 14.21 37.32 111.10 11 29 8 1292.4 -24.42 6.43
 110.00 22 16 6 4712.15 31.23 195.51 40.49 75.34 23 34 38 4112.1 28.91 187.08

DIFFERENTIAL CORRECTIONS
 TOE .9869 TRA-2.3793 TC3 -.2145 BAU .1686
 RDE -.3957 RRA -.3816 RC3 .1045 FAU .01754
 FDE -.8862 FRA 1.5169 FC3 -.2873 BSP 6537
 BDE 1.0632 BRA 2.4097 BC3 .2386 FSP -339

MID-COURSE EXECUTION ACCURACY
 SGT 2056.7 SGR 459.4 SG3 125.2
 RRT .2920 RRF -.3107 RTF -.8942
 SGB 2107.4 R23 -.0389 R13 -.8948
 SGI 2061.3 SG2 438.4 TMA 3.91

ORBIT DETERMINATION ACCURACY
 ST 960.4 SR 324.7 SS 868.4
 CRT -.6145 CRS -.7260 CST .9882
 LSA 1309.7 MSA 257.7 SSA 17.2
 EL1 982.4 EL2 250.4 ALF 167.43

LAUNCH DATE APR 23 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 272.857

RL 150.40 LAL -.00 LOL 212.17 VL 25.174 GAL 11.82 AZL 93.13 MCA 106.40 SMA 117.34 ECC .34359 INC 3.1307 V1 29.625
 RP 108.94 LAP -3.00 LOP 318.59 VP 36.131 GAP -19.69 AZP 89.12 TAL 155.22 TAP 261.62 RCA 77.02 APO 157.65 V2 34.786
 RC 45.578 GL -11.09 GP 6.86 ZAL 47.94 ZAP 7.82 ETS 242.57 ZAE 154.02 ETE 139.41 ZAC 119.66 ETC 22.09 CLP 3.76

PLANETOCENTRIC CONIC

C3 48.972 VHL 6.998 DLA -4.40 RAL 162.11 RAD 6568.8 VEL 13.051 PTH 2.38 VMP 12.256 DPA 23.51 RAP 148.06 ECC 1.8060
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 40 39 2300.40 -21.55 46.99 37.48 108.82 9 19 0 1700.4 -18.79 39.41
 90.00 19 33 7 5218.14 26.36 234.53 40.77 79.26 21 0 5 4618.1 24.61 226.30
 100.00 9 59 56 2044.67 -22.86 27.69 36.98 109.80 10 34 0 1444.7 -19.95 20.10
 100.00 20 56 32 4949.11 27.72 214.44 40.47 78.33 22 19 1 4349.1 25.83 206.15
 110.00 11 3 26 1845.86 -26.36 11.11 35.49 112.59 11 34 12 1245.9 -23.07 3.50
 110.00 22 9 31 4720.68 31.38 196.13 39.49 75.69 23 28 11 4120.7 29.09 187.67

DIFFERENTIAL CORRECTIONS

TDE .9943 TRA-2.3687 TC3 -.2056 BAU .1548
 RDE -.3575 RRA -.3729 RC3 .1166 FAU .01826
 FDE -.9379 FRA 1.5739 FC3 -.3227 BSP 6780
 BDE 1.0566 BRA 2.3979 BC3 .2364 FSP -370

MID-COURSE EXECUTION ACCURACY

SGT 2128.1 SGR 454.0 SG3 135.6
 RRT .3212 RRF -.3433 RTF -.9008
 SGB 2176.0 R23 -.0441 R13 -.9015
 SG1 2133.3 SG2 428.9 TMA 4.09

ORBIT DETERMINATION ACCURACY

ST 1001.6 SR 306.9 SS 911.1
 CRT -.6011 CRS -.7163 CST .9878
 LSA 1365.2 MSA 251.6 SSA 17.2
 EL1 1019.5 EL2 240.9 ALF 168.94

LAUNCH DATE APR 23 1967

FLIGHT TIME 120.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 279.589

RL 150.40 LAL -.00 LOL 212.17 VL 25.363 GAL 11.35 AZL 93.28 MCA 109.56 SMA 118.34 ECC .33061 INC 3.2750 V1 29.625
 RP 108.93 LAP -3.09 LOP 321.75 VP 36.266 GAP -18.78 AZP 88.90 TAL 154.82 TAP 264.38 RCA 79.21 APO 157.46 V2 34.788
 RC 44.711 GL -12.16 GP 7.37 ZAL 47.88 ZAP 7.74 ETS 253.24 ZAE 155.32 ETE 133.70 ZAC 117.82 ETC 21.69 CLP 2.39

PLANETOCENTRIC CONIC

C3 45.461 VHL 6.742 DLA -5.50 RAL 161.94 RAD 6568.7 VEL 12.916 PTH 2.35 VMP 11.738 DPA 23.41 RAP 150.07 ECC 1.7482
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 48 17 2247.32 -20.35 43.57 35.74 110.13 9 25 44 1647.3 -17.43 36.11
 90.00 19 24 9 5233.94 26.56 235.64 39.70 79.79 20 51 23 4633.9 24.87 227.38
 100.00 10 7 1 1993.30 -21.64 24.37 35.22 111.14 10 40 14 1393.3 -18.57 16.92
 100.00 20 48 6 4963.19 27.91 215.44 39.41 78.83 22 10 49 4363.2 26.08 207.12
 110.00 11 9 19 1798.29 -25.08 8.01 33.66 114.02 11 39 17 1198.3 -21.62 .57
 110.00 22 2 18 4730.97 31.55 196.88 38.48 76.10 23 21 9 4131.0 29.32 188.39

DIFFERENTIAL CORRECTIONS

TDE 1.0027 TRA-2.3558 TC3 -.1941 BAU .1420
 RDE -.3193 RRA -.3657 RC3 .1299 FAU .01904
 FDE -.9951 FRA 1.6321 FC3 -.3625 BSP 7026
 BDE 1.0523 BRA 2.3840 BC3 .2336 FSP -404

MID-COURSE EXECUTION ACCURACY

SGT 2199.9 SGR 449.2 SG3 147.0
 RRT .3550 RRF -.3810 RTF -.9069
 SGB 2245.3 R23 -.0502 R13 -.9077
 SG1 2205.8 SG2 418.8 TMA 4.30

ORBIT DETERMINATION ACCURACY

ST 1044.1 SR 287.1 SS 956.7
 CRT -.5829 CRS -.7023 CST .9874
 LSA 1423.9 MSA 245.2 SSA 17.1
 EL1 1058.1 EL2 230.2 ALF 170.44

LAUNCH DATE APR 23 1967

FLIGHT TIME 122.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 286.330

RL 150.40 LAL -.00 LOL 212.17 VL 25.540 GAL 10.90 AZL 93.43 MCA 112.72 SMA 119.30 ECC .31830 INC 3.4252 V1 29.625
 RP 108.92 LAP -3.16 LOP 324.92 VP 36.392 GAP -17.90 AZP 88.68 TAL 154.45 TAP 267.17 RCA 81.33 APO 157.27 V2 34.791
 RC 44.000 GL -13.32 GP 7.93 ZAL 47.89 ZAP 7.99 ETS 263.98 ZAE 156.39 ETE 127.20 ZAC 115.98 ETC 21.32 CLP 1.00

PLANETOCENTRIC CONIC

C3 42.298 VHL 6.504 DLA -6.65 RAL 161.70 RAD 6568.6 VEL 12.793 PTH 2.33 VMP 11.238 DPA 23.36 RAP 152.08 ECC 1.6961
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 56 6 2192.77 -19.03 40.11 34.01 111.37 9 32 39 1592.8 -15.96 32.78
 90.00 19 14 22 5252.19 26.77 236.94 38.62 80.40 20 41 55 4652.2 25.17 228.63
 100.00 10 14 16 1940.59 -20.30 21.02 33.47 112.42 10 46 37 1340.6 -17.09 13.70
 100.00 20 38 53 4979.60 28.12 216.62 38.35 79.41 22 1 53 4379.6 26.37 208.25
 110.00 11 15 16 1749.63 -23.70 4.91 31.85 115.39 11 44 25 1149.6 -20.08 357.63
 110.00 21 54 23 4743.32 31.75 197.79 37.46 76.61 23 13 26 4143.3 29.58 189.25

DIFFERENTIAL CORRECTIONS

TDE 1.0124 TRA-2.3407 TC3 -.1792 BAU .1302
 RDE -.2807 RRA -.3603 RC3 .1444 FAU .01988
 FDE -1.0586 FRA 1.6938 FC3 -.4069 BSP 7281
 BDE 1.0506 BRA 2.3683 BC3 .2302 FSP -442

MID-COURSE EXECUTION ACCURACY

SGT 2271.6 SGR 445.7 SG3 159.5
 RRT .3943 RRF -.4242 RTF -.9128
 SGB 2314.9 R23 -.0568 R13 -.9137
 SG1 2278.6 SG2 408.3 TMA 4.57

ORBIT DETERMINATION ACCURACY

ST 1087.8 SR 265.3 SS 1005.8
 CRT -.5575 CRS -.6817 CST .9871
 LSA 1486.0 MSA 238.5 SSA 17.0
 EL1 1098.3 EL2 218.2 ALF 171.94

LAUNCH DATE APR 23 1967

FLIGHT TIME 124.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 293.077

RL 150.40 LAL -.00 LOL 212.17 VL 25.706 GAL 10.47 AZL 93.58 MCA 115.88 SMA 120.21 ECC .30663 INC 3.5825 V1 29.625
 RP 108.91 LAP -3.22 LOP 328.09 VP 36.512 GAP -17.05 AZP 88.43 TAL 154.12 TAP 270.00 RCA 83.35 APO 157.07 V2 34.795
 RC 43.455 GL -14.56 GP 8.57 ZAL 48.00 ZAP 8.58 ETS 273.87 ZAE 157.16 ETE 119.98 ZAC 114.13 ETC 20.98 CLP -.41

PLANETOCENTRIC CONIC

C3 39.461 VHL 6.282 DLA -7.87 RAL 161.37 RAD 6568.5 VEL 12.682 PTH 2.30 VMP 10.755 DPA 23.36 RAP 154.08 ECC 1.6494
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 4 12 2136.61 -17.60 36.60 32.31 112.54 9 39 48 1536.6 -14.40 29.40
 90.00 19 3 41 5273.31 27.00 238.44 37.53 81.12 20 31 35 4673.3 25.49 230.09
 100.00 10 21 45 1886.43 -18.86 17.64 31.74 113.63 10 53 11 1286.4 -15.51 10.46
 100.00 20 28 49 4998.72 28.35 217.99 37.28 80.10 21 52 8 4398.7 26.69 209.58
 110.00 11 21 20 1699.84 -22.21 1.81 30.06 116.68 11 49 40 1099.8 -18.45 354.69
 110.00 21 45 43 4758.07 31.97 198.88 36.44 77.21 23 5 1 4158.1 29.89 190.29

DIFFERENTIAL CORRECTIONS

TDE 1.0238 TRA-2.3234 TC3 -.2045 BAU .1374
 RDE -.2415 RRA -.3571 RC3 .1613 FAU .02078
 FDE -1.1297 FRA 1.7593 FC3 -.4559 BSP 8075
 BDE 1.0519 BRA 2.3507 BC3 .2605 FSP -484

MID-COURSE EXECUTION ACCURACY

SGT 2348.3 SGR 444.6 SG3 173.1
 RRT .4268 RRF -.4734 RTF -.9098
 SGB 2390.0 R23 -.0812 R13 -.9111
 SG1 2356.2 SG2 400.7 TMA 4.76

ORBIT DETERMINATION ACCURACY

ST 1133.1 SR 241.4 SS 1058.7
 CRT -.5207 CRS -.6503 CST .9868
 LSA 1552.1 MSA 231.7 SSA 17.8
 EL1 1140.3 EL2 204.8 ALF 173.46

LAUNCH DATE APR 23 1967

FLIGHT TIME 126.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 299.827

RL 150.40 LAL -.00 LOL 212.17 VL 25.860 GAL 10.06 AZL 93.75 MCA 119.04 SMA 121.08 ECC .29559 INC 3.7484 V1 29.625
 RP 108.90 LAP -3.28 LOP 331.25 VP 36.625 GAP -16.22 AZP 88.18 TAL 153.82 TAP 272.86 RCA 85.29 APO 156.88 V2 34.799
 RC 43.079 GL -15.90 GP 9.29 ZAL 48.21 ZAP 9.47 ETS 282.36 ZAE 157.55 ETE 112.23 ZAC 112.29 ETC 20.66 CLP -1.85

PLANETOCENTRIC CONIC

C3 36.931 VHL 6.077 DLA -9.14 RAL 160.96 RAD 6568.4 VEL 12.582 PTH 2.28 VHP 10.289 DPA 23.44 RAP 156.09 ECC 1.6078
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 12 38 2078.65 -16.05 33.05 30.63 113.64 9 47 17 1478.7 -12.72 25.96
 90.00 18 51 39 5297.77 27.24 240.19 36.45 81.97 20 20 17 4697.8 25.85 231.80
 100.00 10 29 30 1830.65 -17.30 14.23 30.04 114.76 11 0 1 1230.7 -13.82 7.17
 100.00 20 17 48 5021.00 28.60 219.60 36.22 80.91 21 41 29 4421.0 27.05 211.14
 110.00 11 27 34 1648.83 -20.62 358.70 28.31 117.89 11 55 3 1048.8 -16.72 351.74
 110.00 21 36 13 4775.59 32.23 200.18 35.43 77.94 22 55 49 4175.6 30.24 191.54

DIFFERENTIAL CORRECTIONS

TOE 1.0417 TRA-2.3006 TC3 -.1367 BAU .1106
 RDE -.2012 RRA -.3562 RC3 .1774 FAU .02184
 FDE-1.2104 FRA 1.8279 FC3 -.5121 BSP 7841
 BDE 1.0610 BRA 2.3280 BC3 .2239 FSP -530

MID-COURSE EXECUTION ACCURACY

SGT 2412.2 SGR 445.2 SG3 188.0
 RRT .4892 RRF -.5280 RTF -.9243
 SGB 2453.0 R23 -.0734 R13 -.9255
 SG1 2422.3 SG2 386.7 TMA 5.29

ORBIT DETERMINATION ACCURACY

ST 1182.8 SR 215.5 SS 1116.3
 CRT -.4671 CRS -.6019 CST .9869
 LSA 1625.2 MSA 223.8 SSA 16.7
 EL1 1187.2 EL2 189.8 ALF 175.01

LAUNCH DATE APR 23 1967

FLIGHT TIME 128.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 306.578

RL 150.40 LAL -.00 LOL 212.17 VL 26.004 GAL 9.68 AZL 93.92 MCA 122.20 SMA 121.91 ECC .28517 INC 3.9249 V1 29.625
 RP 108.88 LAP -3.32 LOP 334.42 VP 36.731 GAP -15.42 AZP 87.91 TAL 153.56 TAP 275.76 RCA 87.15 APO 156.68 V2 34.804
 RC 42.876 GL -17.33 GP 10.11 ZAL 48.51 ZAP 10.64 ETS 289.25 ZAE 157.49 ETE 104.28 ZAC 110.44 ETC 20.36 CLP -5.33

PLANETOCENTRIC CONIC

C3 34.690 VHL 5.890 DLA -10.50 RAL 160.47 RAD 6568.4 VEL 12.492 PTH 2.26 VHP 9.842 DPA 23.61 RAP 158.11 ECC 1.5709
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 21 32 2018.66 -14.38 29.44 29.00 114.66 9 55 10 1418.7 -10.94 22.46
 90.00 18 39 7 5326.13 27.50 242.23 35.38 82.96 20 7 54 4726.1 26.24 233.79
 100.00 10 37 39 1773.09 -15.63 10.78 28.39 115.81 11 7 12 1173.1 -12.03 3.84
 100.00 20 5 41 5046.95 28.86 221.48 35.17 81.87 21 29 48 4446.9 27.44 212.97
 110.00 11 34 3 1596.49 -18.92 353.59 26.61 119.02 12 0 39 996.5 -14.90 348.78
 110.00 21 25 47 4796.30 32.52 201.73 34.45 78.82 22 45 43 4196.3 30.63 193.02

DIFFERENTIAL CORRECTIONS

TOE 1.0583 TRA-2.2790 TC3 -.1126 BAU .1048
 RDE -.1592 RRA -.3583 RC3 .1960 FAU .02292
 FDE-1.3004 FRA 1.9018 FC3 -.5720 BSP 8093
 BDE 1.0702 BRA 2.3070 BC3 .2260 FSP -580

MID-COURSE EXECUTION ACCURACY

SGT 2482.2 SGR 450.5 SG3 204.4
 RRT .5448 RRF -.5881 RTF -.9292
 SGB 2522.7 R23 -.0835 R13 -.9306
 SG1 2494.8 SG2 375.9 TMA 5.78

ORBIT DETERMINATION ACCURACY

ST 1231.9 SR 188.0 SS 1178.1
 CRT -.3779 CRS -.5211 CST .9868
 LSA 1701.0 MSA 216.9 SSA 16.4
 EL1 1234.0 EL2 173.7 ALF 176.63

LAUNCH DATE APR 23 1967

FLIGHT TIME 130.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 313.328

RL 150.40 LAL -.00 LOL 212.17 VL 26.137 GAL 9.31 AZL 94.11 MCA 125.36 SMA 122.70 ECC .27535 INC 4.1142 V1 29.625
 RP 108.87 LAP -3.35 LOP 337.59 VP 36.831 GAP -14.64 AZP 87.62 TAL 153.33 TAP 278.69 RCA 88.91 APO 156.48 V2 34.809
 RC 42.849 GL -18.87 GP 11.05 ZAL 48.92 ZAP 12.05 ETS 294.65 ZAE 156.96 ETE 96.53 ZAC 108.60 ETC 20.09 CLP -4.84

PLANETOCENTRIC CONIC

C3 32.725 VHL 5.721 DLA -11.93 RAL 159.88 RAD 6568.3 VEL 12.414 PTH 2.24 VHP 9.413 DPA 23.88 RAP 160.14 ECC 1.5386
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 31 1 1956.32 -12.58 25.75 27.43 115.58 10 3 38 1356.3 -9.04 18.87
 90.00 18 24 56 5359.06 27.75 244.60 34.34 84.12 19 54 15 4759.1 26.65 236.11
 100.00 10 46 18 1713.46 -13.83 7.27 26.80 116.77 11 14 51 1113.5 -10.13 .43
 100.00 19 52 21 5077.15 29.13 223.69 34.16 83.00 21 16 58 4477.2 27.86 215.12
 110.00 11 40 49 1542.69 -17.11 352.47 24.95 120.05 12 6 32 942.7 -12.99 345.78
 110.00 21 14 19 4820.69 32.82 203.57 33.51 79.87 22 34 39 4220.7 31.08 194.78

DIFFERENTIAL CORRECTIONS

TOE 1.0781 TRA-2.2556 TC3 -.0858 BAU .1017
 RDE -.1148 RRA -.3638 RC3 .2161 FAU .02407
 FDE-1.4023 FRA 1.9800 FC3 -.6366 BSP 8322
 BDE 1.0842 BRA 2.2847 BC3 .2325 FSP -634

MID-COURSE EXECUTION ACCURACY

SGT 2550.9 SGR 461.5 SG3 222.2
 RRT .8043 RRF -.6517 RTF -.9338
 SGB 2592.3 R23 -.0948 R13 -.9355
 SG1 2566.4 SG2 365.5 TMA 6.37

ORBIT DETERMINATION ACCURACY

ST 1282.9 SR 160.5 SS 1244.9
 CRT -.2272 CRS -.3802 CST .9868
 LSA 1782.4 MSA 210.2 SSA 16.0
 EL1 1283.4 EL2 156.2 ALF 178.35

LAUNCH DATE APR 23 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 320.074

RL 150.40 LAL -.00 LOL 212.17 VL 26.261 GAL 8.96 AZL 94.32 MCA 128.52 SMA 123.44 ECC .26610 INC 4.3190 V1 29.625
 RP 108.85 LAP -3.38 LOP 340.77 VP 36.925 GAP -13.89 AZP 87.31 TAL 153.14 TAP 281.66 RCA 90.59 APO 156.29 V2 34.815
 RC 42.995 GL -20.53 GP 12.13 ZAL 49.45 ZAP 13.69 ETS 298.78 ZAE 155.97 ETE 89.36 ZAC 106.75 ETC 19.85 CLP -6.39

PLANETOCENTRIC CONIC

C3 31.026 VHL 5.570 DLA -13.44 RAL 159.19 RAD 6568.2 VEL 12.345 PTH 2.23 VHP 9.003 DPA 24.28 RAP 162.19 ECC 1.5106
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 41 17 1891.18 -10.64 21.96 25.93 116.40 10 12 48 1291.2 -7.01 15.16
 90.00 18 9 13 5397.37 27.99 247.38 33.33 85.50 19 39 10 4797.4 27.07 238.83
 100.00 10 55 35 1651.44 -11.90 3.67 25.27 117.62 11 23 6 1051.4 -8.11 356.94
 100.00 19 37 35 5112.34 29.40 226.27 33.19 84.33 21 2 48 4512.3 28.30 217.64
 110.00 11 48 1 1487.22 -15.19 349.31 23.37 121.00 12 12 48 887.2 -10.97 342.75
 110.00 21 1 39 4849.32 33.14 205.74 32.63 81.11 22 22 28 4249.3 31.56 196.87

DIFFERENTIAL CORRECTIONS

TOE 1.1018 TRA-2.2300 TC3 -.0565 BAU .1014
 RDE -.0670 RRA -.3733 RC3 .2378 FAU .02528
 FDE-1.5181 FRA 2.0624 FC3 -.7053 BSP 8548
 BDE 1.1038 BRA 2.2610 BC3 .2444 FSP -693

MID-COURSE EXECUTION ACCURACY

SGT 2617.4 SGR 480.4 SG3 241.5
 RRT .6651 RRF -.7160 RTF -.9383
 SGB 2661.1 R23 -.1075 R13 -.9402
 SG1 2637.2 SG2 356.1 TMA 7.09

ORBIT DETERMINATION ACCURACY

ST 1336.1 SR 137.3 SS 1317.2
 CRT .0307 CRS -.1291 CST .9869
 LSA 1870.0 MSA 204.0 SSA 15.6
 EL1 1336.1 EL2 137.2 ALF .18

LAUNCH DATE APR 23 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 4 1967

MELIOCENTRIC CONIC
 RL 150.40 LAL -.00 LOL 212.17 VL 26.376 GAL 8.63 AZL 94.54 HCA 131.68 SMA 124.14 ECC .25743 INC 4.5427 VI 29.625
 RP 108.83 LAP -3.39 LOP 343.94 VP 37.013 GAP -13.16 AZP 86.98 TAL 152.97 TAP 284.66 RCA 92.18 APO 156.10 V2 34.822
 RC 43.312 GL -22.32 GP 13.38 ZAL 50.10 ZAP 15.54 ETS 301.86 ZAE 154.56 ETE 83.03 ZAC 104.89 ETC 19.58 CLP -7.98

PLANETOCENTRIC CONIC
 C3 29.587 VML 5.439 DLA -15.06 RAL 158.40 RAD 6568.2 VEL 12.287 PTH 2.21 VMP 8.613 DPA 24.84 RAP 164.28 ECC 1.4869
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 52 33 1822.63 -8.54 18.02 24.53 117.10 10 22 55 1222.6 -4.83 11.29
 90.00 17 51 39 5442.10 28.18 250.64 32.37 87.12 19 22 21 4842.1 27.48 242.04
 100.00 11 5 43 1586.53 -9.83 359.97 23.84 118.37 11 32 9 986.5 -5.96 353.32
 100.00 19 21 9 5153.43 29.64 229.30 32.27 85.91 20 47 3 4553.4 28.75 220.61
 110.00 11 55 44 1429.84 -13.16 346.12 21.87 121.84 12 19 34 829.8 -8.85 339.66
 110.00 20 47 37 4882.88 33.47 208.30 31.82 82.60 22 9 0 4282.9 32.08 199.35

DIFFERENTIAL CORRECTIONS
 TOE 1.1331 TRA-2.2000 TC3 -.0216 BAU .1037
 RDE -.0145 RRA -.3873 RC3 .2613 FAU .02661
 FDE -1.6518 FRA 2.1471 FC3 -.7785 BSP .8839
 BDE 1.1332 BRA 2.2339 BC3 .2622 FSP -760

MID-COURSE EXECUTION ACCURACY
 SGT 2680.3 SGR 509.5 SG3 262.5
 RRT .7243 RRF -.7777 RTF -.9428
 SGB 2728.3 R23 -.1206 R13 -.9451
 SGI 2706.0 SG2 347.9 TMA 7.97

ORBIT DETERMINATION ACCURACY
 ST 1393.8 SR 127.9 SS 1396.5
 CRT .4096 CRS .2614 CST .9879
 LSA 1967.3 MSA 197.5 SSA 15.0
 EL1 1394.8 EL2 116.6 ALF 2.17

LAUNCH DATE APR 23 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 6 1967

MELIOCENTRIC CONIC
 RL 150.40 LAL -.00 LOL 212.17 VL 26.483 GAL 8.32 AZL 94.79 HCA 134.85 SMA 124.80 ECC .24930 INC 4.7897 VI 29.625
 RP 108.80 LAP -3.39 LOP 347.11 VP 37.096 GAP -12.45 AZP 86.62 TAL 152.84 TAP 287.69 RCA 93.69 APO 155.91 V2 34.830
 RC 43.796 GL -24.24 GP 14.83 ZAL 50.88 ZAP 17.62 ETS 304.09 ZAE 152.78 ETE 77.69 ZAC 103.02 ETC 19.35 CLP -9.63

PLANETOCENTRIC CONIC
 C3 28.409 VML 5.330 DLA -16.77 RAL 157.50 RAD 6568.1 VEL 12.239 PTH 2.20 VMP 8.245 DPA 25.59 RAP 166.41 ECC 1.4675
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 5 9 1749.75 -6.23 13.88 23.25 117.67 10 34 19 1149.7 -2.50 7.21
 90.00 17 31 50 5494.65 28.30 254.48 31.47 89.04 19 3 24 4894.6 27.87 245.84
 100.00 11 16 58 1518.04 -7.59 356.12 22.52 119.00 11 42 16 918.0 -3.66 349.53
 100.00 19 2 42 5201.58 29.82 232.87 31.42 87.78 20 29 24 4601.6 29.19 224.12
 110.00 12 4 10 1370.19 -10.99 342.85 20.47 122.57 12 27 0 770.2 -6.62 336.49
 110.00 20 32 0 4922.20 33.77 211.33 31.10 84.37 21 54 2 4322.2 32.62 202.29

DIFFERENTIAL CORRECTIONS
 TOE 1.1714 TRA-2.1666 TC3 .0158 BAU .1090
 RDE .0447 RRA -.4068 RC3 .2866 FAU .02801
 FDE -1.8054 FRA 2.2334 FC3 -.8536 BSP .9150
 BDE 1.1723 BRA 2.2045 BC3 .2871 FSP -834

MID-COURSE EXECUTION ACCURACY
 SGT 2739.2 SGR 551.6 SG3 285.0
 RRT .7788 RRF -.8334 RTF -.9472
 SGB 2794.2 R23 -.1340 R13 -.9500
 SGI 2773.2 SG2 341.8 TMA 9.05

ORBIT DETERMINATION ACCURACY
 ST 1455.4 SR 145.5 SS 1482.9
 CRT .7579 CRS .6490 CST .9879
 LSA 2074.0 MSA 191.4 SSA 14.2
 EL1 1459.6 EL2 94.6 ALF 4.35

LAUNCH DATE APR 23 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 8 1967

MELIOCENTRIC CONIC
 RL 150.40 LAL -.00 LOL 212.17 VL 26.582 GAL 8.03 AZL 95.07 HCA 138.01 SMA 125.42 ECC .24169 INC 5.0656 VI 29.625
 RP 108.78 LAP -3.39 LOP 350.29 VP 37.175 GAP -11.76 AZP 86.23 TAL 152.74 TAP 290.75 RCA 95.10 APO 155.73 V2 34.838
 RC 44.440 GL -26.31 GP 16.52 ZAL 51.80 ZAP 19.94 ETS 305.62 ZAE 150.68 ETE 73.36 ZAC 101.13 ETC 19.11 CLP -11.32

PLANETOCENTRIC CONIC
 C3 27.498 VML 5.244 DLA -18.61 RAL 156.48 RAD 6568.1 VEL 12.201 PTH 2.19 VMP 7.901 DPA 26.57 RAP 168.62 ECC 1.4525
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 19 38 1671.16 -3.75 9.46 22.13 118.09 10 47 29 1071.2 .04 2.82
 90.00 17 9 11 5556.99 28.29 259.04 30.61 91.33 18 41 48 4957.0 28.17 250.37
 100.00 11 29 44 1444.95 -5.15 352.06 21.35 119.49 11 53 49 845.0 -1.19 345.51
 100.00 18 41 46 5258.43 29.89 237.10 30.63 90.00 20 9 24 4658.4 29.57 228.31
 110.00 12 13 31 1307.78 -8.68 339.49 19.19 123.19 12 35 19 707.8 -4.26 333.20
 110.00 20 14 29 4968.37 34.02 214.92 30.48 86.47 21 37 17 4368.4 33.16 205.78

DIFFERENTIAL CORRECTIONS
 TOE 1.2157 TRA-2.1327 TC3 .0525 BAU .1169
 RDE .1128 RRA -.4329 RC3 .3136 FAU .02941
 FDE -1.9807 FRA 2.3208 FC3 -.9258 BSP .9433
 BDE 1.2209 BRA 2.1762 BC3 .3179 FSP -912

MID-COURSE EXECUTION ACCURACY
 SGT 2795.1 SGR 610.3 SG3 308.9
 RRT .8260 RRF -.8805 RTF -.9512
 SGB 2861.0 R23 -.1474 R13 -.9547
 SGI 2840.9 SG2 338.5 TMA 10.37

ORBIT DETERMINATION ACCURACY
 ST 1519.4 SR 194.2 SS 1575.8
 CRT .9292 CRS .8637 CST .9884
 LSA 2189.6 MSA 186.3 SSA 13.4
 EL1 1530.1 EL2 71.3 ALF 6.79

LAUNCH DATE APR 23 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 10 1967

MELIOCENTRIC CONIC
 RL 150.40 LAL -.00 LOL 212.17 VL 26.673 GAL 7.75 AZL 95.38 HCA 141.18 SMA 125.99 ECC .23460 INC 5.3777 VI 29.625
 RP 108.75 LAP -3.37 LOP 353.47 VP 37.248 GAP -11.09 AZP 85.81 TAL 152.66 TAP 293.83 RCA 96.44 APO 155.55 V2 34.846
 RC 45.237 GL -28.54 GP 18.51 ZAL 52.87 ZAP 22.53 ETS 306.57 ZAE 148.29 ETE 70.01 ZAC 99.22 ETC 18.86 CLP -13.07

PLANETOCENTRIC CONIC
 C3 26.871 VML 5.184 DLA -20.57 RAL 155.32 RAD 6568.1 VEL 12.176 PTH 2.19 VMP 7.584 DPA 27.83 RAP 170.93 ECC 1.4422
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 36 48 1584.51 -.96 4.62 21.23 118.30 11 3 13 984.5 2.83 357.99
 90.00 16 42 45 5632.18 28.05 264.52 29.78 94.07 18 16 37 5032.2 28.32 255.87
 100.00 11 44 38 1365.62 -2.48 347.68 20.39 119.80 12 7 24 765.6 1.50 341.16
 100.00 18 17 36 5326.31 29.79 242.14 29.90 92.65 19 46 23 4726.3 29.84 233.33
 110.00 12 24 7 1241.88 -6.21 335.99 18.07 123.60 12 44 49 641.9 -1.74 329.75
 110.00 19 54 37 5022.81 34.17 219.16 29.97 88.98 21 18 19 4422.8 33.65 209.96

DIFFERENTIAL CORRECTIONS
 TOE 1.2759 TRA-2.0901 TC3 .0976 BAU .1280
 RDE .1937 RRA -.4662 RC3 .3427 FAU .03095
 FDE -2.1856 FRA 2.4008 FC3 -.9972 BSP .9881
 BDE 1.2905 BRA 2.1415 BC3 .3563 FSP -1004

MID-COURSE EXECUTION ACCURACY
 SGT 2843.8 SGR 689.2 SG3 333.9
 RRT .8653 RRF -.9177 RTF -.9557
 SGB 2926.1 R23 -.1572 R13 -.9599
 SGI 2906.5 SG2 338.0 TMA 12.01

ORBIT DETERMINATION ACCURACY
 ST 1592.7 SR 270.6 SS 1678.1
 CRT .9843 CRS .9494 CST .9895
 LSA 2322.3 MSA 180.2 SSA 12.4
 EL1 1614.8 EL2 47.1 ALF 9.50

LAUNCH DATE APR 23 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 12 1967

DISTANCE 353.700

REL 150.40 LAL -1.00 LOL 212.17 VL 26.757 GAL 7.50 AZL 95.74 HCA 144.34 SMA 126.53 ECC .22804 INC 5.7360 V1 29.625
 RP 108.72 LAP -3.34 LOP 356.64 VP 37.317 GAP -10.44 AZP 85.33 TAL 152.60 TAP 296.94 RCA 97.68 APO 155.39 V2 34.856
 RC 46.178 GL -30.95 GP 20.86 ZAL 54.10 ZAP 25.43 ETS 307.02 ZAE 145.60 ETE 67.54 ZAC 97.25 ETC 18.58 CLP -14.88

PLANETOCENTRIC CONIC

C3 26.573 VHL 5.155 CLA -22.66 RAL 154.02 RAD 6568.1 VEL 12.163 PTH 2.18 VMP 7.300 CPA 29.41 RAP 173.39 ECC 1.4373
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 58 13 1485.62 2.23 359.10 20.67 118.24 11 22 59 885.6 5.99 352.44
 90.00 16 10 58 5725.52 27.41 271.28 28.96 97.39 17 46 23 5125.5 28.15 262.69
 100.00 12 2 45 1277.36 .51 342.84 19.71 119.89 12 24 2 677.4 4.48 336.31
 100.00 17 49 7 5409.01 29.37 248.25 29.22 95.84 19 19 16 4809.0 29.87 239.48
 110.00 12 36 30 1171.53 -3.54 332.29 17.18 124.02 12 56 1 571.5 .95 326.09
 110.00 19 31 51 5087.61 34.13 224.22 29.60 91.98 20 56 39 4487.6 34.03 214.98

MID-COURSE EXECUTION ACCURACY

SGT 2950.3 SGR 790.9 SG3 358.0
 RRT .8785 RRF -.9449 RTF -.9463
 SGB 3054.5 R23 -.2102 R13 -.9528
 SG1 3032.3 SG2 367.6 TMA 13.45

ORBIT DETERMINATION ACCURACY

ST 1564.8 SR 363.8 SS 1732.3
 CRT .9993 CRS .9797 CST .9836
 LSA 2352.8 MSA 214.5 SSA 11.4
 EL1 1606.5 EL2 13.1 ALF 13.08

DIFFERENTIAL CORRECTIONS

TDE 1.2172 TRA-2.1762 TC3 -.0566 BAU .1270
 RDE .2795 RRA -.5229 RC3 .3529 FAU .02791
 FDE-2.3249 FRA 2.5743 FC3 -.9093 BSP 7229
 BOE 1.2489 BRA 2.2381 BC3 .3574 FSP -901

LAUNCH DATE APR 23 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 14 1967

DISTANCE 360.381

REL 150.40 LAL -1.00 LOL 212.17 VL 26.834 GAL 7.25 AZL 96.15 HCA 147.51 SMA 127.04 ECC .22191 INC 6.1545 V1 29.625
 RP 108.69 LAP -3.30 LOP 359.82 VP 37.381 GAP -9.80 AZP 84.80 TAL 152.57 TAP 300.08 RCA 98.85 APO 155.23 V2 34.865
 RC 47.255 GL -33.58 GP 23.67 ZAL 55.54 ZAP 28.71 ETS 307.07 ZAE 142.59 ETE 65.88 ZAC 95.23 ETC 18.25 CLP -16.74

PLANETOCENTRIC CONIC

C3 26.627 VHL 5.160 CLA -24.92 RAL 152.52 RAD 6568.1 VEL 12.166 PTH 2.18 VMP 7.054 CPA 31.41 RAP 176.07 ECC 1.4382
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 27 11 1363.82 6.13 352.27 20.59 117.70 11 49 55 763.8 9.79 345.50
 90.00 15 30 1 5848.34 26.03 280.00 27.93 101.55 17 7 29 5248.3 27.36 271.59
 100.00 12 26 0 1173.93 4.01 337.16 19.43 119.65 12 45 34 573.9 7.93 330.56
 100.00 17 13 53 5513.47 28.40 255.86 28.43 99.73 18 45 47 4913.5 29.45 247.22
 110.00 12 51 20 1094.46 -.60 328.27 16.56 124.18 13 9 34 494.5 3.89 322.06
 110.00 19 5 2 5165.70 33.78 230.29 29.27 95.55 20 31 8 4565.7 34.18 221.07

MID-COURSE EXECUTION ACCURACY

SGT 2944.9 SGR 923.8 SG3 382.8
 RRT .9127 RRF -.9645 RTF -.9591
 SGB 3086.4 R23 -.1850 R13 -.9660
 SG1 3065.0 SG2 362.6 TMA 16.21

ORBIT DETERMINATION ACCURACY

ST 1711.5 SR 499.2 SS 1878.8
 CRT .9994 CRS .9927 CST .9896
 LSA 2583.4 MSA 184.7 SSA 10.2
 EL1 1782.7 EL2 16.0 ALF 16.25

DIFFERENTIAL CORRECTIONS

TDE 1.3842 TRA-2.0500 TC3 .1014 BAU .1447
 RDE .4084 RRA -.5874 RC3 .3938 FAU .03171
 FDE-2.6428 FRA 2.5689 FC3 -1.0310 BSP 9618
 BOE 1.4432 BRA 2.1271 BC3 .4066 FSP -1116

LAUNCH DATE APR 23 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 16 1967

DISTANCE 367.055

REL 150.40 LAL -1.00 LOL 212.17 VL 26.905 GAL 7.03 AZL 96.65 HCA 150.68 SMA 127.50 ECC .21626 INC 6.6528 V1 29.625
 RP 108.66 LAP -3.25 LOP 3.01 VP 37.441 GAP -9.19 AZP 84.19 TAL 152.56 TAP 303.23 RCA 99.93 APO 155.07 V2 34.875
 RC 48.458 GL -36.42 GP 27.02 ZAL 57.17 ZAP 32.43 ETS 306.76 ZAE 139.19 ETE 64.89 ZAC 93.11 ETC 17.83 CLP -18.65

PLANETOCENTRIC CONIC

C3 27.151 VHL 5.211 CLA -27.34 RAL 150.81 RAD 6568.1 VEL 12.187 PTH 2.19 VMP 6.861 CPA 33.88 RAP 179.08 ECC 1.4468
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 16 34 1179.66 11.80 341.72 21.64 115.93 12 36 14 579.7 15.19 334.68
 90.00 14 27 2 754.13 22.72 315.32 26.17 107.37 14 39 37 154.1 24.88 307.31
 100.00 12 59 45 1040.12 8.46 329.72 19.89 118.78 13 17 5 440.1 12.24 322.97
 100.00 16 26 32 5656.95 26.33 266.01 27.31 104.69 18 0 49 5056.9 28.09 257.65
 110.00 13 10 8 1007.51 2.72 323.73 16.37 124.09 13 26 56 407.5 7.18 317.48
 110.00 18 32 39 5262.32 32.90 237.69 28.96 99.85 20 0 21 4662.3 33.91 228.60

MID-COURSE EXECUTION ACCURACY

SGT 2978.6 SGR 1089.8 SG3 404.1
 RRT .9293 RRF -.9774 RTF -.9626
 SGB 3171.7 R23 -.1840 R13 -.9711
 SG1 3148.8 SG2 380.6 TMA 19.07

ORBIT DETERMINATION ACCURACY

ST 1795.7 SR 661.7 SS 1991.2
 CRT .9977 CRS .9974 CST .9907
 LSA 2755.7 MSA 182.4 SSA 9.1
 EL1 1913.3 EL2 41.7 ALF 20.20

DIFFERENTIAL CORRECTIONS

TDE 1.4854 TRA-2.0095 TC3 .1225 BAU .1583
 RDE .5623 RRA -.6336 RC3 .4184 FAU .03203
 FDE-2.9256 FRA 2.6038 FC3 -1.0212 BSP 9986
 BOE 1.5883 BRA 2.1071 BC3 .4360 FSP -1192

LAUNCH DATE APR 23 1967

FLIGHT TIME 148.00

ARRIVAL DATE SEP 18 1967

DISTANCE 373.713

REL 150.40 LAL -1.00 LOL 212.17 VL 26.970 GAL 6.83 AZL 97.26 HCA 153.84 SMA 127.93 ECC .21106 INC 7.2604 V1 29.625
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.498 GAP -8.59 AZP 83.48 TAL 152.56 TAP 306.40 RCA 100.93 APO 154.93 V2 34.886
 RC 49.776 GL -39.52 GP 31.04 ZAL 59.04 ZAP 36.67 ETS 306.13 ZAE 135.30 ETE 64.46 ZAC 90.86 ETC 17.27 CLP -20.58

PLANETOCENTRIC CONIC

C3 28.288 VHL 5.319 CLA -29.95 RAL 148.85 RAD 6568.1 VEL 12.234 PTH 2.20 VMP 6.736 CPA 36.92 RAP 182.58 ECC 1.4656
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.83 11 51 14 1243.92 18.44 349.62 23.47 114.02 12 11 58 643.9 21.52 342.19
 100.17 14 36 42 710.32 18.45 310.38 23.48 114.01 14 48 32 110.3 21.54 302.95
 79.83 11 51 14 1243.92 18.44 349.62 23.47 114.02 12 11 58 643.9 21.52 342.19
 100.17 14 36 42 710.32 18.45 310.38 23.48 114.01 14 48 32 110.3 21.54 302.95
 110.00 13 35 59 902.41 6.71 318.21 16.89 123.60 13 51 1 302.4 11.08 311.84
 110.00 17 51 8 5387.87 31.05 247.01 28.39 105.07 19 20 56 4787.9 32.81 238.23

MID-COURSE EXECUTION ACCURACY

SGT 3007.3 SGR 1294.5 SG3 419.2
 RRT .9415 RRF -.9857 RTF -.9659
 SGB 3274.1 R23 -.1766 R13 -.9762
 SG1 3249.1 SG2 403.6 TMA 22.43

ORBIT DETERMINATION ACCURACY

ST 1888.6 SR 864.1 SS 2100.4
 CRT .9961 CRS .9991 CST .9918
 LSA 2948.3 MSA 180.5 SSA 7.9
 EL1 2075.7 EL2 69.1 ALF 24.53

DIFFERENTIAL CORRECTIONS

TDE 1.6151 TRA-1.9697 TC3 .1338 BAU .1726
 RDE .7631 RRA -.7125 RC3 .4362 FAU .03150
 FDE-3.2274 FRA 2.5944 FC3 -.9639 BSP 10399
 BOE 1.7863 BRA 2.0946 BC3 .4563 FSP -1252

LAUNCH DATE APR 23 1967

FLIGHT TIME 150.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 380.352

RL 150.40 LAL -.00 LOL 212.17 VL 27.029 GAL 6.64 AZL 98.02 MCA 157.01 SMA 128.33 ECC .20629 INC 8.0226 V1 29.625
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.551 GAP -8.00 AZP 82.61 TAL 152.57 TAP 309.57 RCA 101.85 APO 154.80 V2 34.897
 RC 51.201 GL -42.90 GP 35.86 ZAL 61.17 ZAP 41.52 ETS 305.22 ZAE 130.77 ETE 64.41 ZAC 88.45 ETC 16.45 CLP -22.50

PLANETOCENTRIC CONIC

C3 30.305 VML 5.505 DLA -32.74 RAL 146.55 RAD 6568.2 VEL 12.316 PTH 2.22 VMP 6.710 DPA 40.59 RAP 186.83 ECC 1.4988
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.83 10 52 48 1416.41 19.51 3.18 23.10 116.83 11 16 24 816.4 22.95 355.84
 107.17 15 16 51 5860.34 19.53 278.42 23.10 116.82 16 54 31 5260.3 22.97 271.09
 72.83 10 52 48 1416.41 19.51 3.18 23.10 116.83 11 16 24 816.4 22.95 355.84
 107.17 15 16 51 5860.34 19.53 278.42 23.10 116.82 16 54 31 5260.3 22.97 271.09
 110.00 14 19 34 748.92 12.39 309.95 18.91 122.12 14 32 3 148.9 16.55 303.31
 110.00 16 49 15 5575.83 26.98 260.11 26.77 111.83 18 22 11 4975.8 29.69 251.98

DIFFERENTIAL CORRECTIONS

TDE 1.7868 TRA-1.9337 TC3 .1319 BAU .1865
 RDE 1.0308 RRA -.8028 RC3 .4410 FAU .02970
 FDE-3.5304 FRA 2.5195 FC3 -.8484 BSP 10877
 BDE 2.0628 BRA 2.0938 BC3 .4603 FSP -1282

MID-COURSE EXECUTION ACCURACY

SGT 3034.0 SGR 1540.7 SG3 424.1
 RRT .9505 RRF -.9908 RTF -.9689
 SGB 3402.7 R23 -.1638 R13 -.9811
 SG1 3375.4 SG2 430.5 THA 26.22

ORBIT DETERMINATION ACCURACY

ST 1993.4 SR 1113.6 SS 2198.2
 CRT .9952 CRS .9997 CST .9929
 LSA 3164.4 MSA 179.2 SSA 6.8
 EL1 2281.3 EL2 95.2 ALF 29.13

LAUNCH DATE APR 23 1967

FLIGHT TIME 152.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 386.971

RL 150.40 LAL -.00 LOL 212.17 VL 27.083 GAL 6.46 AZL 99.01 MCA 160.17 SMA 128.69 ECC .20195 INC 9.0138 V1 29.625
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.600 GAP -7.43 AZP 81.51 TAL 152.59 TAP 312.75 RCA 102.70 APO 154.68 V2 34.908
 RC 52.722 GL -46.58 GP 41.63 ZAL 63.61 ZAP 47.06 ETS 304.02 ZAE 125.45 ETE 64.50 ZAC 85.82 ETC 15.19 CLP -24.28

PLANETOCENTRIC CONIC

C3 33.691 VML 5.804 DLA -35.73 RAL 143.84 RAD 6568.3 VEL 12.452 PTH 2.25 VMP 6.831 DPA 44.90 RAP 192.26 ECC 1.5545
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 67.23 10 8 21 1545.44 20.24 13.67 22.99 120.10 10 34 6 945.4 24.08 6.51
 112.77 15 39 37 5784.61 20.25 272.93 23.00 120.09 17 16 1 5184.6 24.10 265.77
 67.23 10 8 21 1545.44 20.24 13.67 22.99 120.10 10 34 6 945.4 24.08 6.51
 112.77 15 39 37 5784.61 20.25 272.93 23.00 120.09 17 16 1 5184.6 24.10 265.77
 67.23 10 8 21 1545.44 20.24 13.67 22.99 120.10 10 34 6 945.4 24.08 6.51
 112.77 15 39 37 5784.61 20.25 272.93 23.00 120.09 17 16 1 5184.6 24.10 265.77

DIFFERENTIAL CORRECTIONS

TDE 2.0233 TRA-1.9089 TC3 .1120 BAU .1968
 RDE 1.3926 RRA -.9006 RC3 .4223 FAU .02599
 FDE-3.7981 FRA 2.3581 FC3 -.6679 BSP 11375
 BDE 2.4562 BRA 2.1107 BC3 .4369 FSP -1258

MID-COURSE EXECUTION ACCURACY

SGT 3065.0 SGR 1824.7 SG3 413.3
 RRT .9569 RRF -.9939 RTF -.9716
 SGB 3567.0 R23 -.1468 R13 -.9855
 SG1 3537.3 SG2 459.3 THA 30.23

ORBIT DETERMINATION ACCURACY

ST 2115.1 SR 1413.4 SS 2270.2
 CRT .9949 CRS .9999 CST .9940
 LSA 3404.9 MSA 178.6 SSA 5.8
 EL1 2541.1 EL2 118.9 ALF 33.70

LAUNCH DATE APR 23 1967

FLIGHT TIME 154.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 393.564

RL 150.40 LAL -.00 LOL 212.17 VL 27.132 GAL 6.31 AZL 100.36 MCA 163.32 SMA 129.02 ECC .19801 INC10.3640 V1 29.625
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.646 GAP -6.87 AZP 80.06 TAL 152.61 TAP 315.93 RCA 103.47 APO 154.57 V2 34.920
 RC 54.330 GL -50.60 GP 48.47 ZAL 66.41 ZAP 53.32 ETS 302.41 ZAE 119.15 ETE 64.32 ZAC 82.91 ETC 13.14 CLP -25.72

PLANETOCENTRIC CONIC

C3 39.421 VML 6.279 DLA -38.88 RAL 140.55 RAD 6568.5 VEL 12.680 PTH 2.30 VMP 7.185 DPA 49.74 RAP 199.62 ECC 1.6488
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.16 9 29 1 1661.89 20.34 23.22 23.16 123.88 9 56 43 1061.9 24.64 16.33
 117.84 15 52 41 5747.51 20.35 269.98 23.17 123.87 17 28 28 5147.5 24.66 263.09
 62.16 9 29 1 1661.89 20.34 23.22 23.16 123.88 9 56 43 1061.9 24.64 16.33
 117.84 15 52 41 5747.51 20.35 269.98 23.17 123.87 17 28 28 5147.5 24.66 263.09
 62.16 9 29 1 1661.89 20.34 23.22 23.16 123.88 9 56 43 1061.9 24.64 16.33
 117.84 15 52 41 5747.51 20.35 269.98 23.17 123.87 17 28 28 5147.5 24.66 263.09

DIFFERENTIAL CORRECTIONS

TDE 2.3810 TRA-1.9017 TC3 .0786 BAU .1994
 RDE 1.8873 RRA -.9909 RC3 .3700 FAU .02014
 FDE-3.9822 FRA 2.0888 FC3 -.4422 BSP 12000
 BDE 3.0382 BRA 2.1444 BC3 .3783 FSP -1167

MID-COURSE EXECUTION ACCURACY

SGT 3114.6 SGR 2128.7 SG3 381.6
 RRT .9619 RRF -.9956 RTF -.9747
 SGB 3772.6 R23 -.1266 R13 -.9895
 SG1 3741.4 SG2 484.4 THA 33.97

ORBIT DETERMINATION ACCURACY

ST 2273.4 SR 1757.2 SS 2301.5
 CRT .9951 CRS 1.0000 CST .9951
 LSA 3677.2 MSA 177.3 SSA 4.8
 EL1 2870.0 EL2 137.8 ALF 37.67

LAUNCH DATE APR 23 1967

FLIGHT TIME 156.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 400.127

RL 150.40 LAL -.00 LOL 212.17 VL 27.176 GAL 6.17 AZL 102.32 MCA 166.47 SMA 129.32 ECC .19449 INC12.3237 V1 29.625
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.689 GAP -6.34 AZP 78.01 TAL 152.62 TAP 319.09 RCA 104.17 APO 154.47 V2 34.932
 RC 56.016 GL -54.91 GP 56.41 ZAL 69.64 ZAP 60.24 ETS 299.84 ZAE 111.72 ETE 62.99 ZAC 79.67 ETC 9.46 CLP -26.21

PLANETOCENTRIC CONIC

C3 49.674 VML 7.048 DLA -42.09 RAL 136.49 RAD 6568.8 VEL 13.078 PTH 2.39 VMP 7.937 DPA 54.70 RAP 210.12 ECC 1.8175
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.46 8 51 42 1779.23 19.38 32.48 23.55 128.12 9 21 21 1179.2 24.18 26.00
 122.54 15 57 37 5746.41 19.39 269.14 23.56 128.12 17 33 24 5146.4 24.19 262.66
 57.46 8 51 42 1779.23 19.38 32.48 23.55 128.12 9 21 21 1179.2 24.18 26.00
 122.54 15 57 37 5746.41 19.39 269.14 23.56 128.12 17 33 24 5146.4 24.19 262.66
 57.46 8 51 42 1779.23 19.38 32.48 23.55 128.12 9 21 21 1179.2 24.18 26.00
 122.54 15 57 37 5746.41 19.39 269.14 23.56 128.12 17 33 24 5146.4 24.19 262.66

DIFFERENTIAL CORRECTIONS

TDE 2.9831 TRA-1.9368 TC3 .0312 BAU .1833
 RDE 2.5548 RRA-1.0378 RC3 .2743 FAU .01205
 FDE-4.0201 FRA 1.7154 FC3 -.2100 BSP 12732
 BDE 3.9276 BRA 2.1973 BC3 .2760 FSP -1001

MID-COURSE EXECUTION ACCURACY

SGT 3222.5 SGR 2399.0 SG3 326.7
 RRT .9697 RRF -.9963 RTF -.9786
 SGB 4017.4 R23 -.1057 R13 -.9927
 SG1 3985.7 SG2 503.7 THA 36.39

ORBIT DETERMINATION ACCURACY

ST 2307.3 SR 2104.7 SS 2274.3
 CRT .9956 CRS 1.0000 CST .9963
 LSA 3982.2 MSA 175.1 SSA 3.9
 EL1 3270.1 EL2 151.5 ALF 39.99

LAUNCH DATE APR 23 1967

FLIGHT TIME 158.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 406.644

RL 150.40 LAL -.00 LOL 212.17 VL 27.216 GAL 6.05 AZL 105.44 HCA 169.60 SMA 129.59 ECC .19137 INC15.4405 V1 29.625
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.729 GAP -5.82 AZP 74.80 TAL 152.61 TAP 322.21 RCA 104.79 APO 154.39 V2 34.945
 RC 57.772 GL -59.33 GP 65.35 ZAL 73.34 ZAP 67.59 ETS 294.12 ZAE 103.06 ETE 58.04 ZAC 75.95 ETC 1.65 CLP -23.93

PLANETOCENTRIC CONIC

C3 70.178 VHL 8.377 DLA -45.05 RAL 131.41 RAD 6569.4 VEL 13.839 PTH 2.53 VHP 9.442 DPA 58.74 RAP 225.49 ECC 2.1549
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 53.37 8 15 7 1907.00 16.69 41.54 23.98 132.48 8 46 54 1307.0 21.99 35.60
 126.63 15 53 42 5787.04 16.70 270.39 24.00 132.47 17 30 9 5187.0 22.00 264.45
 53.37 8 15 7 1907.00 16.69 41.54 23.98 132.48 8 46 54 1307.0 21.99 35.60
 126.63 15 53 42 5787.04 16.70 270.39 24.00 132.47 17 30 9 5187.0 22.00 264.45
 53.37 8 15 7 1907.00 16.69 41.54 23.98 132.48 8 46 54 1307.0 21.99 35.60
 126.63 15 53 42 5787.04 16.70 270.39 24.00 132.47 17 30 9 5187.0 22.00 264.45

DIFFERENTIAL CORRECTIONS

TDE 4.1925 TRA-2.0737 TC3 -.0299 BAU .1337
 RDE 3.3455 RRA -.9282 RC3 .1393 FAU .00233
 FDE-3.8740 FRA 1.2806 FC3 -.0287 BSP 13597
 BDE 5.3637 BRA 2.2719 BC3 .1425 FSP -776

MID-COURSE EXECUTION ACCURACY

SGT 3500.7 SGR 2469.3 SG3 252.8
 RRT .9663 RRF -.9949 RTF -.9846
 SGB 4284.0 R23 -.0844 R13 -.9954
 SGI 4251.9 SG2 523.1 TMA 34.88

ORBIT DETERMINATION ACCURACY

ST 2930.0 SR 2304.0 SS 2182.7
 CRT .9960 CRS .9998 CST .9977
 LSA 4315.9 MSA 174.2 SSA 2.9
 EL1 3723.8 EL2 162.6 ALF 38.15

LAUNCH DATE APR 23 1967

FLIGHT TIME 160.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 413.077

RL 150.40 LAL -.00 LOL 212.17 VL 27.251 GAL 5.96 AZL 111.16 HCA 172.67 SMA 129.84 ECC .18872 INC21.1629 V1 29.625
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.766 GAP -5.32 AZP 68.99 TAL 152.56 TAP 325.23 RCA 105.33 APO 154.34 V2 34.957
 RC 59.590 GL -63.18 GP 74.67 ZAL 77.56 ZAP 74.95 ETS 273.76 ZAE 92.82 ETE 37.84 ZAC 71.29 ETC 337.86 CLP -10.81

PLANETOCENTRIC CONIC

C3 120.216 VHL 10.964 DLA -46.96 RAL 125.20 RAD 6570.3 VEL 15.542 PTH 2.77 VHP 12.613 DPA 59.80 RAP 246.56 ECC 2.9784
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 50.83 7 41 4 2048.74 11.56 49.69 24.18 135.85 8 15 12 1448.7 17.23 44.28
 129.17 15 38 14 5881.23 11.57 274.07 24.19 135.84 17 16 15 5281.2 17.24 268.66
 50.83 7 41 4 2048.74 11.56 49.69 24.18 135.85 8 15 12 1448.7 17.23 44.28
 129.17 15 38 14 5881.23 11.57 274.07 24.19 135.84 17 16 15 5281.2 17.24 268.66
 50.83 7 41 4 2048.74 11.56 49.69 24.18 135.85 8 15 12 1448.7 17.23 44.28
 129.17 15 38 14 5881.23 11.57 274.07 24.19 135.84 17 16 15 5281.2 17.24 268.66

DIFFERENTIAL CORRECTIONS

TDE 7.2650 TRA-2.4271 TC3 -.1305 BAU .2127
 RDE 3.0590 RRA -.0902 RC3 .0220 FAU-.00899
 FDE-3.5919 FRA .8900 FC3 .0647 BSP 14150
 BDE 7.8827 BRA 2.4288 BC3 .1324 FSP -521

MID-COURSE EXECUTION ACCURACY

SGT 4236.6 SGR 1600.7 SG3 173.0
 RRT .9118 RRF -.9488 RTF -.9943
 SGB 4528.9 R23 -.0544 R13 -.9981
 SGI 4486.1 SG2 620.9 TMA 19.39

ORBIT DETERMINATION ACCURACY

ST 3837.2 SR 1598.7 SS 2057.5
 CRT .9912 CRS .9954 CST .9993
 LSA 4634.0 MSA 198.5 SSA 1.7
 EL1 4152.3 EL2 195.8 ALF 22.49

LAUNCH DATE APR 23 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 419.286

RL 150.40 LAL -.00 LOL 212.17 VL 27.282 GAL 5.92 AZL 124.65 HCA 175.57 SMA 130.05 ECC .18675 INC34.6453 V1 29.625
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.801 GAP -4.89 AZP 55.43 TAL 152.37 TAP 327.94 RCA 105.77 APO 154.34 V2 34.970
 RC 61.464 GL -63.58 GP 77.85 ZAL 82.17 ZAP 81.64 ETS 207.20 ZAE 79.39 ETE 331.28 ZAC 63.85 ETC 265.64 CLP 46.30

PLANETOCENTRIC CONIC

C3 296.745 VHL 17.226 DLA -45.06 RAL 118.85 RAD 6571.7 VEL 20.446 PTH 3.16 VHP 20.580 DPA 54.05 RAP 270.10 ECC 5.8837
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 53.36 7 24 58 2169.50 4.30 53.57 24.53 134.90 8 1 8 1569.5 9.91 48.24
 126.64 15 3 38 761.28 4.31 304.49 24.55 134.90 15 16 19 161.3 9.93 299.16
 53.36 7 24 58 2169.50 4.30 53.57 24.53 134.90 8 1 8 1569.5 9.91 48.24
 126.64 15 3 38 761.28 4.31 304.49 24.55 134.90 15 16 19 161.3 9.93 299.16
 53.36 7 24 58 2169.50 4.30 53.57 24.53 134.90 8 1 8 1569.5 9.91 48.24
 126.64 15 3 38 761.28 4.31 304.49 24.55 134.90 15 16 19 161.3 9.93 299.16

DIFFERENTIAL CORRECTIONS

TDE10.7027 TRA -.9356 TC3 -.1800 BAU 1.0962
 RDE-7.4062 RRA 2.8520 RC3 .2096 FAU-.02626
 FDE-3.5195 FRA .7006 FC3 .0766 BSP 14386
 BDE13.0153 BRA 3.0015 BC3 .2763 FSP -323

MID-COURSE EXECUTION ACCURACY

SGT 3640.2 SGR 2897.1 SG3 107.5
 RRT -.9301 RRF .9755 RTF -.9881
 SGB 4652.3 R23 -.0107 R13 .9999
 SGI 4574.6 SG2 846.8 TMA 141.95

ORBIT DETERMINATION ACCURACY

ST 3562.3 SR 2496.2 SS 2089.0
 CRT -.9922 CRS -.9970 CST .9989
 LSA 4818.6 MSA 255.7 SSA .7
 EL1 4342.3 EL2 255.4 ALF 145.05

LAUNCH DATE APR 23 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 424.399

RL 150.40 LAL -.00 LOL 212.17 VL 27.310 GAL 6.09 AZL 169.26 HCA 177.57 SMA 130.25 ECC .18689 INC79.2617 V1 29.625
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.833 GAP -4.73 AZP 10.75 TAL 151.52 TAP 329.09 RCA 105.90 APO 154.59 V2 34.983
 RC 63.388 GL -47.23 GP 54.12 ZAL 86.17 ZAP 86.35 ETS 180.79 ZAE 54.74 ETE 310.50 ZAC 46.29 ETC 223.58 CLP 83.76

PLANETOCENTRIC CONIC

C31321.021 VHL 36.346 DLA -27.39 RAL 117.96 RAD 6573.1 VEL 37.978 PTH 3.54 VHP 45.311 DPA 30.47 RAP 290.20 ECC22.7407
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 7 11 1779.41 -7.19 15.56 25.55 117.46 10 36 50 1179.4 -3.45 8.87
 90.00 12 14 20 1364.81 6.09 352.33 32.47 117.71 12 37 5 764.8 9.76 345.56
 100.00 10 49 42 1642.01 -11.60 3.13 23.22 117.74 11 17 4 1042.0 -7.80 356.41
 100.00 14 14 30 977.45 10.50 326.18 34.83 118.15 14 30 47 377.4 14.18 319.33
 110.00 10 59 39 1610.76 -19.39 356.43 18.88 118.72 11 26 30 1010.8 -15.40 349.58
 110.00 16 21 2 5869.52 18.24 278.41 39.21 119.42 17 58 52 5269.5 22.02 271.31

DIFFERENTIAL CORRECTIONS

TDE 8.6128 TRA 1.1217 TC3 -.1273 BAU 5.5407
 RD-17.9322 RRA 6.1371 RC3 .2867 FAU-.10054
 FDE-4.2971 FRA 1.3587 FC3 .0659 BSP 11951
 BDE19.8933 BRA 6.2387 BC3 .3137 FSP -225

MID-COURSE EXECUTION ACCURACY

SGT 1655.1 SGR 3677.4 SG3 74.6
 RRT -.9118 RRF .9997 RTF -.9195
 SGB 4032.6 R23 -.0470 R13 .9987
 SGI 3983.6 SG2 627.2 TMA 112.91

ORBIT DETERMINATION ACCURACY

ST 1359.3 SR 2846.4 SS 2667.6
 CRT -.9874 CRS -1.0000 CST .9887
 LSA 4126.2 MSA 199.1 SSA 1.7
 EL1 3148.3 EL2 194.7 ALF 115.35

LAUNCH DATE APR 23 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 434.248

RL 150.40 LAL -.00 LOL 212.17 VL 27.334 GAL 5.43 AZL 50.64 MCA 183.55 SMA 130.41 ECC .17959 INC39.3581 V1 29.625
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.862 GAP -3.42 AZP 129.30 TAL 153.61 TAP 337.16 RCA 106.99 APO 153.83 V2 34.996
 RC 65.357 GL 62.88 GP -74.20 ZAL 83.72 ZAP 85.57 ETS 152.36 ZAE 85.49 ETE 35.02 ZAC 89.63 ETC 100.49 CLP 73.52

PLANETOCENTRIC CONIC

C3 375.931 VHL 19.389 OLA 70.47 RAL 190.99 RAD 6572.0 VEL 22.299 PTH 3.25 VHP 26.204 DPA -80.58 RAP 79.36 ECC 7.1869
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 22.32 22 45 6 5013.72 -4.05 246.05 99.56 19.58 24 8 40 4413.7 -11.58 243.74
 157.68 9 19 0 3257.61 -4.05 95.44 99.54 19.58 10 13 18 2657.6 -11.58 93.13
 22.32 22 45 6 5013.72 -4.05 246.05 99.56 19.58 24 8 40 4413.7 -11.58 243.74
 157.68 9 19 0 3257.61 -4.05 95.44 99.54 19.58 10 13 18 2657.6 -11.58 93.13
 22.32 22 45 6 5013.72 -4.05 246.05 99.56 19.58 24 8 40 4413.7 -11.58 243.74
 157.68 9 19 0 3257.61 -4.05 95.44 99.54 19.58 10 13 18 2657.6 -11.58 93.13

DIFFERENTIAL CORRECTIONS

TDE -.4624 TRA-3.5356 TC3 -.2107 BAU 1.5740
 RDE 2.4617 RRA-3.8971 RC3 -.2317 FAU-.02881
 FDE -.3795 FRA 1.1609 FC3 .0663 BSP 14458
 BDE 2.5048 BRA 5.2619 BC3 .3132 FSP -280

MID-COURSE EXECUTION ACCURACY

SGT 3233.1 SGR 3633.5 SG3 91.9
 RRT .9704 RRF -.9954 RTF -.9890
 SGB 4663.7 R23 -.0115 R13 -.9999
 SG1 4828.0 SG2 587.5 TMA 48.44

ORBIT DETERMINATION ACCURACY

ST 947.8 SR 1264.1 SS 742.0
 CRT .7263 CRS .9654 CST .8805
 LSA 1654.2 MSA 557.1 SSA .7
 EL1 1478.5 EL2 557.0 ALF 55.95

LAUNCH DATE APR 23 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 440.225

RL 150.40 LAL -.00 LOL 212.17 VL 27.355 GAL 5.47 AZL 70.47 MCA 186.30 SMA 130.56 ECC .17883 INC19.5302 V1 29.625
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.889 GAP -3.06 AZP 109.42 TAL 153.26 TAP 339.56 RCA 107.21 APO 153.91 V2 35.009
 RC 67.365 GL 63.70 GP -82.84 ZAL 77.84 ZAP 82.84 ETS 72.72 ZAE 99.83 ETE 318.80 ZAC 99.47 ETC 26.52 CLP -1.63

PLANETOCENTRIC CONIC

C3 103.108 VHL 10.154 OLA 65.39 RAL 202.12 RAD 6570.0 VEL 14.982 PTH 2.70 VHP 14.337 DPA -68.17 RAP 115.02 ECC 2.6969
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 28.23 23 42 32 4793.43 -16.38 237.40 104.39 25.73 25 2 26 4193.4 -23.55 234.04
 151.77 9 50 25 3073.48 -16.37 93.17 104.37 25.73 10 41 38 2473.5 -23.54 89.81
 28.23 23 42 32 4793.43 -16.38 237.40 104.39 25.73 25 2 26 4193.4 -23.55 234.04
 151.77 9 50 25 3073.48 -16.37 93.17 104.37 25.73 10 41 38 2473.5 -23.54 89.81
 28.23 23 42 32 4793.43 -16.38 237.40 104.39 25.73 25 2 26 4193.4 -23.55 234.04
 151.77 9 50 25 3073.48 -16.37 93.17 104.37 25.73 10 41 38 2473.5 -23.54 89.81

DIFFERENTIAL CORRECTIONS

TDE 2.7392 TRA-2.9433 TC3 -.1023 BAU .1425
 RDE -.4273 RRA 2.0131 RC3 -.0149 FAU-.00098
 FDE -.8922 FRA 1.2207 FC3 .0082 BSP 15891
 BDE 2.7723 BRA 3.5659 BC3 .1034 FSP -478

MID-COURSE EXECUTION ACCURACY

SGT 4281.9 SGR 2738.3 SG3 149.4
 RRT -.9589 RRF .9784 RTF -.9965
 SGB 5082.6 R23 .0015 R13 .9997
 SG1 5039.6 SG2 660.2 TMA 147.86

ORBIT DETERMINATION ACCURACY

ST 1954.5 SR 853.0 SS 875.6
 CRT -.8106 CRS -.8747 CST .9929
 LSA 2256.9 MSA 470.1 SSA 1.4
 EL1 2080.3 EL2 469.3 ALF 159.42

LAUNCH DATE APR 23 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 446.524

RL 150.40 LAL -.00 LOL 212.17 VL 27.372 GAL 5.46 AZL 77.90 MCA 189.35 SMA 130.68 ECC .17782 INC12.1006 V1 29.625
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.914 GAP -2.62 AZP 101.94 TAL 153.11 TAP 342.46 RCA 107.44 APO 153.92 V2 35.023
 RC 69.409 GL 57.31 GP -77.13 ZAL 71.66 ZAP 81.27 ETS 40.57 ZAE 108.41 ETE 289.45 ZAC 104.13 ETC .42 CLP -47.06

PLANETOCENTRIC CONIC

C3 46.063 VHL 6.787 OLA 58.57 RAL 196.45 RAD 6568.7 VEL 12.939 PTH 2.36 VHP 9.873 DPA -60.06 RAP 123.75 ECC 1.7581
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 36.32 23 39 37 4569.76 -26.05 223.76 89.09 35.48 24 55 47 3969.8 -32.46 218.69
 143.68 9 8 7 2918.11 -26.04 89.12 89.07 35.47 9 56 45 2318.1 -32.45 84.04
 36.32 23 39 37 4569.76 -26.05 223.76 89.09 35.48 24 55 47 3969.8 -32.46 218.69
 143.68 9 8 7 2918.11 -26.04 89.12 89.07 35.47 9 56 45 2318.1 -32.45 84.04
 36.32 23 39 37 4569.76 -26.05 223.76 89.09 35.48 24 55 47 3969.8 -32.46 218.69
 143.68 9 8 7 2918.11 -26.04 89.12 89.07 35.47 9 56 45 2318.1 -32.45 84.04

DIFFERENTIAL CORRECTIONS

TDE 1.2579 TRA-1.2238 TC3 .0101 BAU .2391
 RDE -.9100 RRA 2.7693 RC3 -.3882 FAU .01391
 FDE -.7797 FRA 1.6604 FC3 -.2615 BSP 16002
 BDE 1.5525 BRA 3.0277 BC3 .3883 FSP -773

MID-COURSE EXECUTION ACCURACY

SGT 2248.1 SGR 4579.6 SG3 241.1
 RRT -.9429 RRF .9975 RTF -.9613
 SGB 5101.6 R23 -.0008 R13 .9994
 SG1 5056.4 SG2 678.2 TMA 115.33

ORBIT DETERMINATION ACCURACY

ST 1217.0 SR 1549.1 SS 888.0
 CRT -.8568 CRS -.9863 CST .9301
 LSA 2099.4 MSA 511.6 SSA 2.3
 EL1 1902.6 EL2 510.9 ALF 127.06

LAUNCH DATE APR 23 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 452.900

RL 150.40 LAL -.00 LOL 212.17 VL 27.387 GAL 5.45 AZL 81.67 MCA 192.48 SMA 130.79 ECC .17695 INC 8.3293 V1 29.625
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.937 GAP -2.17 AZP 98.14 TAL 153.00 TAP 345.48 RCA 107.64 APO 153.93 V2 35.036
 RC 71.485 GL 49.29 GP -71.07 ZAL 65.85 ZAP 80.99 ETS 28.01 ZAE 114.78 ETE 279.20 ZAC 107.35 ETC 353.74 CLP -61.15

PLANETOCENTRIC CONIC

C3 27.143 VHL 5.210 OLA 51.25 RAL 189.84 RAD 6568.1 VEL 12.187 PTH 2.19 VHP 7.659 DPA -53.75 RAP 128.08 ECC 1.4467
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 45.32 23 38 48 4382.43 -30.11 207.78 72.12 46.35 24 51 50 3782.4 -35.44 201.10
 134.68 8 16 12 2839.26 -30.10 85.49 72.10 46.34 9 3 32 2239.3 -35.43 78.81
 45.32 23 38 48 4382.43 -30.11 207.78 72.12 46.35 24 51 50 3782.4 -35.44 201.10
 134.68 8 16 12 2839.26 -30.10 85.49 72.10 46.34 9 3 32 2239.3 -35.43 78.81
 45.32 23 38 48 4382.43 -30.11 207.78 72.12 46.35 24 51 50 3782.4 -35.44 201.10
 134.68 8 16 12 2839.26 -30.10 85.49 72.10 46.34 9 3 32 2239.3 -35.43 78.81

DIFFERENTIAL CORRECTIONS

TDE .6902 TRA -.6821 TC3 -.0352 BAU .3401
 RDE -.6373 RRA 2.6865 RC3 -.9365 FAU .02771
 FDE -.7074 FRA 2.2487 FC3 -.8838 BSP 15883
 BDE .9394 BRA 2.7576 BC3 .9372 FSP -1147

MID-COURSE EXECUTION ACCURACY

SGT 1331.3 SGR 4870.7 SG3 356.9
 RRT -.8722 RRF .9987 RTF -.8866
 SGB 5049.3 R23 .0011 R13 .9992
 SG1 5009.5 SG2 633.1 TMA 103.63

ORBIT DETERMINATION ACCURACY

ST 826.8 SR 1580.3 SS 938.4
 CRT -.7625 CRS -.9927 CST .8351
 LSA 1954.0 MSA 493.2 SSA 3.3
 EL1 1714.0 EL2 493.2 ALF 113.85

LAUNCH DATE APR 23 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 459.293

RL 150.40 LAL -.00 LOL 212.17 VL 27.399 GAL 5.44 AZL 83.94 MCA 195.64 SMA 130.87 ECC .17629 INC 6.0554 V1 29.625
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.958 GAP -1.71 AZP 95.83 TAL 152.89 TAP 348.52 RCA 107.80 APO 153.94 V2 35.049
 RC 73.590 GL 41.23 GP -65.86 ZAL 60.79 ZAP 81.89 ETS 19.63 ZAE 119.88 ETE 272.41 ZAC 110.10 ETC 350.91 CLP -69.82

PLANETOCENTRIC CONIC

C3 19.062 VHL 4.366 DLA 43.95 RAL 184.47 RAD 6567.8 VEL 11.851 PTH 2.10 VHP 6.369 DPA -48.37 RAP 130.41 ECC 1.3137
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.87 23 50 43 4213.53 -29.88 191.28 57.89 56.14 25 0 56 3613.5 -34.10 183.67
 125.13 7 21 26 2836.50 -29.87 85.02 57.88 56.13 8 8 42 2236.5 -34.09 77.42
 54.87 23 50 43 4213.53 -29.88 191.28 57.89 56.14 25 0 56 3613.5 -34.10 183.67
 125.13 7 21 26 2836.50 -29.87 85.02 57.88 56.13 8 8 42 2236.5 -34.09 77.42
 54.87 23 50 43 4213.53 -29.88 191.28 57.89 56.14 25 0 56 3613.5 -34.10 183.67
 125.13 7 21 26 2836.50 -29.87 85.02 57.88 56.13 8 8 42 2236.5 -34.09 77.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4399 TRA -.2570 TC3 -.2062 BAU .3821 SGT 764.9 SGR 4904.6 SG3 487.0 ST 594.2 SR 1552.1 SS 1028.2
 RDE -.5014 RRA 2.5697 RC3-1.4853 FAU .04133 RRT -.6238 RRF .9988 RTF -.6388 CRT -.6258 CRS -.9936 CST .7101
 FDE -.7459 FRA 2.9094 FC3-1.8770 BSP 15599 SGB 4963.9 R23 .0082 R13 .9989 LSA 1901.6 MSA 450.9 SSA 84.3
 BDE .6670 BRA 2.5826 BC3 1.4996 FSP -1565 SGI 4928.1 SG2 595.0 TMA 95.64 EL1 1600.0 EL2 449.6 ALF 104.65

LAUNCH DATE APR 23 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 465.687

RL 150.40 LAL -.00 LOL 212.17 VL 27.408 GAL 5.45 AZL 85.47 MCA 198.82 SMA 130.94 ECC .17587 INC 4.5315 V1 29.625
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.977 GAP -1.26 AZP 94.29 TAL 152.76 TAP 351.58 RCA 107.91 APO 153.96 V2 55.062
 RC 75.721 GL 33.73 GP -61.29 ZAL 56.64 ZAP 83.79 ETS 12.84 ZAE 124.06 ETE 266.30 ZAC 112.72 ETC 349.27 CLP -77.00

PLANETOCENTRIC CONIC

C3 15.074 VHL 3.883 DLA 37.09 RAL 180.35 RAD 6567.6 VEL 11.682 PTH 2.05 VHP 5.542 DPA -43.54 RAP 131.58 ECC 1.2481
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 64.97 0 23 58 4030.99 -27.32 174.05 47.26 63.88 1 31 9 3431.0 -30.60 166.13
 115.03 6 19 13 2911.01 -27.31 89.67 47.25 63.86 7 7 44 2311.0 -30.59 81.74
 64.97 0 23 58 4030.99 -27.32 174.05 47.26 63.88 1 31 9 3431.0 -30.60 166.13
 115.03 6 19 13 2911.01 -27.31 89.67 47.25 63.86 7 7 44 2311.0 -30.59 81.74
 64.97 0 23 58 4030.99 -27.32 174.05 47.26 63.88 1 31 9 3431.0 -30.60 166.13
 115.03 6 19 13 2911.01 -27.31 89.67 47.25 63.86 7 7 44 2311.0 -30.59 81.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2905 TRA .0427 TC3 -.4872 BAU .4036 SGT 577.1 SGR 4827.7 SG3 621.7 ST 429.5 SR 1526.6 SS 1146.0
 RDE -.4689 RRA 2.4905 RC3-1.9423 FAU .08467 RRT .2268 RRF .9987 RTF .2115 CRT -.4025 CRS -.9932 CST .5060
 FDE -.8982 FRA 3.5885 FC3-3.1400 BSP 15311 SGB 4862.1 R23 .0186 R13 .9986 LSA 1915.7 MSA 398.1 SSA 5.4
 BDE .5516 BRA 2.4509 BC3 2.0025 FSP -2008 SGI 4829.5 SG2 561.9 TMA 88.43 EL1 1537.1 EL2 390.5 ALF 96.91

LAUNCH DATE APR 23 1967

FLIGHT TIME 178.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 472.073

RL 150.40 LAL -.00 LOL 212.17 VL 27.415 GAL 5.47 AZL 86.57 MCA 202.01 SMA 130.98 ECC .17569 INC 3.4344 V1 29.625
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.994 GAP -.80 AZP 93.18 TAL 152.61 TAP 354.62 RCA 107.97 APO 154.00 V2 35.075
 RC 77.874 GL 27.03 GP -57.17 ZAL 53.40 ZAP 86.53 ETS 6.96 ZAE 127.49 ETE 260.13 ZAC 115.32 ETC 348.17 CLP -83.60

PLANETOCENTRIC CONIC

C3 12.940 VHL 3.597 DLA 30.90 RAL 177.20 RAD 6567.5 VEL 11.590 PTH 2.03 VHP 4.982 DPA -39.08 RAP 132.00 ECC 1.2130
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.08 1 26 10 3768.22 -23.82 151.99 39.69 69.71 2 28 58 3168.2 -26.37 144.04
 102.92 4 51 54 3106.69 -23.81 103.18 39.69 69.69 5 43 41 2506.7 -26.35 95.22
 77.08 1 26 10 3768.22 -23.82 151.99 39.69 69.71 2 28 58 3168.2 -26.37 144.04
 102.92 4 51 54 3106.69 -23.81 103.18 39.69 69.69 5 43 41 2506.7 -26.35 95.22
 110.00 7 31 8 2610.04 -32.99 68.11 42.46 80.51 8 14 38 2010.0 -33.95 59.01
 110.00 3 46 7 3312.87 -15.25 114.46 35.33 59.03 4 41 20 2712.9 -19.24 107.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1701 TRA .3195 TC3 -.8515 BAU .4148 SGT 894.7 SGR 4681.3 SG3 753.0 ST 324.7 SR 1505.5 SS 1282.6
 RDE -.4773 RRA 2.3318 RC3-2.2414 FAU .06680 RRT .7996 RRF .9985 RTF .7905 CRT .0530 CRS -.9926 CST .0681
 FDE -1.1332 FRA 4.2541 FC3-4.4690 BSP 14920 SGB 4765.0 R23 .0305 R13 .9982 LSA 1974.3 MSA 345.5 SSA 6.6
 BDE .5067 BRA 2.3536 BC3 2.3977 FSP -2432 SGI 4736.3 SG2 531.0 TMA 81.20 EL1 1505.6 EL2 324.2 ALF 89.31

LAUNCH DATE APR 23 1967

FLIGHT TIME 180.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 478.445

RL 150.40 LAL -.00 LOL 212.17 VL 27.419 GAL 5.50 AZL 87.40 MCA 205.21 SMA 131.02 ECC .17576 INC 2.6028 V1 29.625
 RP 108.00 LAP -1.11 LOP 57.35 VP 38.009 GAP -.35 AZP 92.36 TAL 152.44 TAP 357.64 RCA 107.99 APO 154.04 V2 35.088
 RC 80.046 GL 21.19 GP -53.35 ZAL 50.94 ZAP 89.93 ETS 1.81 ZAE 130.24 ETE 253.69 ZAC 117.93 ETC 347.43 CLP -89.88

PLANETOCENTRIC CONIC

C3 11.759 VHL 3.429 DLA 25.44 RAL 174.78 RAD 6567.4 VEL 11.539 PTH 2.01 VHP 4.593 DPA -34.89 RAP 131.94 ECC 1.1935
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 51 3 3048.75 -27.68 99.96 36.02 83.76 5 41 52 2448.7 -28.25 91.35
 90.00 1 7 42 3785.53 -12.93 148.43 31.57 64.58 2 10 48 3185.5 -16.24 141.33
 100.00 6 36 55 2707.46 -29.69 75.05 36.22 86.37 7 22 2 2107.5 -29.88 66.25
 100.00 2 4 32 3602.05 -11.12 134.03 30.65 62.07 3 4 34 3002.0 -14.77 127.14
 110.00 8 30 35 2351.79 -34.12 48.10 36.28 92.26 9 9 47 1751.8 -33.43 38.93
 110.00 2 27 20 3550.48 -7.31 126.32 28.36 56.51 3 26 11 2930.5 -11.67 119.93

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0548 TRA .5858 TC3-1.2569 BAU .4254 SGT 1387.9 SGR 4473.7 SG3 872.3 ST 338.8 SR 1484.0 SS 1432.6
 RDE -.5025 RRA 2.2024 RC3-2.3966 FAU .07775 RRT .9272 RRF .9983 RTF .9210 CRT .6403 CRS -.9922 CST -.5398
 FDE -1.4349 FRA 4.8572 FC3-5.7240 BSP 14645 SGB 4684.1 R23 .0435 R13 .9974 LSA 2068.6 MSA 300.3 SSA 7.7
 BDE .5055 BRA 2.2790 BC3 2.7062 FSP -2837 SGI 4657.4 SG2 499.4 TMA 73.76 EL1 1500.2 EL2 257.4 ALF 81.43

LAUNCH DATE APR 23 1967

FLIGHT TIME 182.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 484.801

RL 150.40 LAL -.00 LOL 212.17 VL 27.422 GAL 5.55 AZL 88.05 MCA 208.41 SMA 131.03 ECC .17607 INC 1.9475 V1 29.625
 RP 107.96 LAP -.93 LOP 60.56 VP 38.022 GAP .10 AZP 91.71 TAL 152.24 TAP .64 RCA 107.96 APO 154.10 V2 35.101
 RC 82.236 GL 16.15 GP -49.75 ZAL 49.11 ZAP 93.82 ETS 357.31 ZAE 132.32 ETE 247.00 ZAC 120.54 ETC 347.04 CLP -95.92

PLANETOCENTRIC CONIC

C3 11.120 VML 3.335 DLA 20.69 RAL 172.91 RAD 6567.4 VEL 11.511 PTH 2.01 VMP 4.324 OPA -30.89 RAP 131.59 ECC 1.1830
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 53 27 2790.63 -28.16 81.14 31.76 92.15 6 39 57 2190.6 -27.42 72.55
 90.00 23 46 27 4020.45 -5.73 161.93 26.68 62.22 24 53 28 3420.5 -9.40 155.18
 100.00 7 28 28 2484.23 -29.50 58.49 31.65 95.06 8 9 52 1884.2 -28.49 49.83
 100.00 0 58 3 3802.08 -4.54 145.23 26.03 60.42 2 1 25 3202.1 -8.45 138.62
 110.00 9 5 46 2179.81 -32.86 34.85 31.13 100.00 9 42 6 1579.8 -31.13 26.06
 110.00 1 37 14 3679.27 -1.66 134.13 24.24 55.85 2 38 33 3079.3 -6.13 127.90

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0662 TRA .8435 TC3-1.6711 BAU .4366 SGT 1911.8 SGR 4220.8 SG3 973.5 ST 479.6 SR 1453.3 SS 1585.1
 RDE -.5248 RRA 2.0668 RC3-2.4151 FAU .08670 RRT .9639 RRF .9980 RTF .9590 CRT .9086 CRS -.9918 CST -.8481
 FDE -1.7667 FRA 5.3756 FC3-6.7500 B8P 14444 SGB 4633.6 R23 .0558 R13 .9965 LSA 2187.5 MSA 263.7 SSA 8.7
 BDE .5290 BRA 2.2323 BC3 2.9369 FSP -3189 SG1 4610.1 SG2 466.2 TMA 66.16 EL1 1518.4 EL2 191.7 ALF 73.03

LAUNCH DATE APR 23 1967

FLIGHT TIME 184.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 491.141

RL 150.40 LAL -.00 LOL 212.17 VL 27.422 GAL 5.61 AZL 88.59 MCA 211.62 SMA 131.04 ECC .17662 INC 1.4147 V1 29.625
 RP 107.92 LAP -.74 LOP 63.78 VP 38.034 GAP .54 AZP 91.20 TAL 152.00 TAP 3.62 RCA 107.89 APO 154.18 V2 35.113
 RC 84.440 GL 11.82 GP -46.31 ZAL 47.74 ZAP 98.05 ETS 353.40 ZAE 133.76 ETE 240.22 ZAC 123.07 ETC 347.01 CLP -101.70

PLANETOCENTRIC CONIC

C3 10.818 VML 3.289 DLA 16.56 RAL 171.46 RAD 6567.4 VEL 11.498 PTH 2.00 VMP 4.142 OPA -27.08 RAP 131.09 ECC 1.1780
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 31 32 2620.40 -26.90 68.85 28.31 99.18 7 15 13 2020.4 -25.36 60.53
 90.00 22 56 49 4179.36 -.63 170.83 23.79 61.69 24 6 28 3579.4 -4.41 164.19
 100.00 8 2 14 2327.91 -28.02 47.12 28.09 100.86 8 41 2 1727.9 -26.23 38.77
 100.00 0 12 44 3947.08 .36 153.20 23.24 60.11 1 18 31 3347.1 -3.62 146.68
 110.00 9 31 10 2049.67 -30.91 25.21 27.31 105.39 10 5 19 1449.7 -28.49 16.85
 110.00 1 0 18 3798.08 2.88 140.33 21.67 55.92 2 3 36 3198.1 -1.62 134.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.1950 TRA 1.0922 TC3-2.0648 BAU .4506 SGT 2429.0 SGR 3933.8 SG3 1051.5 ST 686.8 SR 1408.3 SS 1731.3
 RDE -.5383 RRA 1.9250 RC3-2.3331 FAU .09350 RRT .9783 RRF .9976 RTF .9739 CRT .9776 CRS -.9914 CST -.9418
 FDE -2.1043 FRA 5.7828 FC3-7.4831 B8P 14379 SGB 4623.3 R23 .0664 R13 .9954 LSA 2322.9 MSA 236.7 SSA 9.7
 BDE .5726 BRA 2.2132 BC3 3.1155 FSP -3476 SG1 4603.2 SG2 430.5 TMA 58.56 EL1 1561.4 EL2 130.4 ALF 64.32

LAUNCH DATE APR 23 1967

FLIGHT TIME 186.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 497.463

RL 150.40 LAL -.00 LOL 212.17 VL 27.421 GAL 5.68 AZL 89.03 MCA 214.83 SMA 131.02 ECC .17740 INC .9705 V1 29.625
 RP 107.89 LAP -.55 LOP 66.99 VP 38.044 GAP .99 AZP 90.80 TAL 151.74 TAP 6.57 RCA 107.78 APO 154.27 V2 35.125
 RC 86.655 GL 8.11 GP -43.03 ZAL 46.70 ZAP 102.48 ETS 350.06 ZAE 134.58 ETE 233.54 ZAC 125.47 ETC 347.37 CLP -107.19

PLANETOCENTRIC CONIC

C3 10.739 VML 3.277 DLA 12.98 RAL 170.35 RAD 6567.4 VEL 11.495 PTH 2.00 VMP 4.030 OPA -23.45 RAP 130.55 ECC 1.1767
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 59 41 2491.53 -25.18 59.81 25.79 103.39 7 41 13 1891.5 -23.09 51.77
 90.00 22 19 47 4305.24 3.43 177.86 22.06 61.87 23 31 32 3705.2 -.36 171.22
 100.00 8 27 46 2207.48 -26.18 38.64 25.51 104.96 9 4 33 1607.5 -23.87 30.60
 100.00 23 34 24 4064.52 4.33 159.66 21.56 60.39 24 42 8 3464.5 .36 153.13
 110.00 9 51 10 1946.52 -28.81 17.91 24.59 109.24 10 23 36 1346.5 -25.92 9.93
 110.00 0 31 25 3898.26 6.68 145.60 20.11 56.40 1 36 23 3298.3 2.21 139.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.3316 TRA 1.3310 TC3-2.4169 BAU .4669 SGT 2923.8 SGR 3625.9 SG3 1103.8 ST 922.8 SR 1345.2 SS 1861.6
 RDE -.5388 RRA 1.7822 RC3-2.1763 FAU .09769 RRT .9850 RRF .9970 RTF .9811 CRT .9952 CRS -.9907 CST -.9729
 FDE -2.4185 FRA 6.0721 FC3-7.8759 B8P 14439 SGB 4637.9 R23 .0734 R13 .9943 LSA 2465.6 MSA 217.6 SSA 10.6
 BDE .6327 BRA 2.2244 BC3 3.2523 FSP -3678 SG1 4641.2 SG2 394.4 TMA 51.21 EL1 1629.6 EL2 74.5 ALF 55.60

LAUNCH DATE APR 23 1967

FLIGHT TIME 188.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 503.765

RL 150.40 LAL -.00 LOL 212.17 VL 27.417 GAL 5.77 AZL 89.41 MCA 218.05 SMA 131.00 ECC .17843 INC .5924 V1 29.625
 RP 107.85 LAP -.37 LOP 70.21 VP 38.053 GAP 1.43 AZP 90.47 TAL 151.45 TAP 9.50 RCA 107.63 APO 154.38 V2 35.137
 RC 88.880 GL 4.92 GP -39.90 ZAL 45.88 ZAP 106.97 ETS 347.24 ZAE 134.86 ETE 227.18 ZAC 127.66 ETC 348.10 CLP -112.37

PLANETOCENTRIC CONIC

C3 10.821 VML 3.290 DLA 9.86 RAL 169.51 RAD 6567.4 VEL 11.498 PTH 2.00 VMP 3.973 OPA -20.03 RAP 130.04 ECC 1.1781
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 22 15 2388.93 -23.38 52.84 24.04 106.44 8 2 4 1788.9 -20.91 45.04
 90.00 21 50 30 4410.97 6.79 183.80 21.11 62.44 23 4 1 3811.0 3.05 177.12
 100.00 8 48 28 2110.89 -24.32 32.07 23.72 107.94 9 23 39 1510.9 -21.64 24.30
 100.00 23 6 59 4184.24 7.66 165.19 20.64 61.02 24 16 23 3564.2 3.73 158.60
 110.00 10 7 46 1862.72 -26.80 12.23 22.72 112.06 10 38 49 1262.7 -23.57 4.56
 110.00 0 8 3 3985.17 9.92 150.23 19.27 57.12 1 14 31 3385.2 5.52 143.91

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.4755 TRA 1.5809 TC3-2.7123 BAU .4851 SGT 3388.2 SGR 3311.4 SG3 1130.4 ST 1169.8 SR 1264.6 SS 1969.0
 RDE -.5255 RRA 1.6438 RC3-1.9714 FAU .09911 RRT .9884 RRF .9961 RTF .9848 CRT .9995 CRS -.9896 CST -.9853
 FDE -2.6860 FRA 6.2500 FC3-7.9288 B8P 14607 SGB 4737.6 R23 .0757 R13 .9933 LSA 2608.2 MSA 204.6 SSA 11.4
 BDE .7073 BRA 2.2669 BC3 3.3531 FSP -3782 SG1 4723.8 SG2 361.5 TMA 44.34 EL1 1722.5 EL2 25.9 ALF 47.23

LAUNCH DATE APR 23 1967

FLIGHT TIME 190.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 510.047

RL 150.40 LAL -.00 LOL 212.17 VL 27.412 GAL 5.88 AZL 89.73 HCA 221.27 SMA 130.97 ECC .17969 INC .2648 VI 29.625
 RP 107.82 LAP -.17 LOP 73.43 VP 38.060 GAP 1.88 AZP 90.20 TAL 151.12 TAP 12.39 RCA 107.43 APO 154.50 V2 35.149
 RC 91.113 GL 2.18 GP -36.94 ZAL 45.21 ZAP 111.44 ETS 344.88 ZAE 134.66 ETE 221.30 ZAC 129.58 ETC 349.19 CLP-117.22

PLANETOCENTRIC CONIC

C3 11.028 VML 3.321 DLA 7.14 RAL 168.89 RAD 6567.4 VEL 11.507 PTH 2.00 VMP 3.963 DPA -16.83 RAP 129.62 ECC 1.1815
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 41 15 2305.06 -21.66 47.30 22.91 108.70 8 19 40 1705.1 -18.90 39.70
 90.00 21 26 35 4502.60 9.64 189.03 20.72 63.25 22 41 38 3902.6 5.98 182.27
 100.00 9 6 0 2031.67 -22.56 26.85 22.56 110.15 9 39 52 1431.7 -19.61 19.29
 100.00 22 44 30 4251.20 10.49 170.10 20.27 61.85 23 55 22 3651.2 6.65 163.42
 110.00 10 22 4 1793.65 -24.95 7.71 21.50 114.16 10 51 58 1193.6 -21.48 .28
 110.00 23 44 56 4062.01 12.73 154.42 18.95 58.00 24 52 38 3462.0 8.41 147.98

DIFFERENTIAL CORRECTIONS

TDE -.6211 TRA 1.7785 TC3-2.9538 BAU .5068
 RDE -.5045 RRA 1.5085 RC3-1.7585 FAU .09871
 FDE-2.9129 FRA 6.3074 FC3-7.7491 BSP 14982
 BDE .8002 BRA 2.3321 BC3 3.4376 FSP -3825

MID-COURSE EXECUTION ACCURACY

SGT 3815.8 SGR 3000.4 SG3 1133.2
 RRT .9901 RRF .9949 RTF .9870
 SGB 4854.2 R23 .0729 R13 .9924
 SGI 4842.8 SG2 331.4 TMA 38.11

ORBIT DETERMINATION ACCURACY

ST 1418.7 SR 1173.9 SS 2057.3
 CRT .9997 CRS -.9880 CST -.9909
 LSA 2753.9 MSA 196.9 SSA 11.9
 EL1 1841.3 EL2 22.1 ALF 39.61

LAUNCH DATE APR 23 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 516.307

RL 150.40 LAL -.00 LOL 212.17 VL 27.406 GAL 6.00 AZL 90.02 HCA 224.49 SMA 130.92 ECC .18119 INC .0099 VI 29.625
 RP 107.78 LAP .02 LOP 76.66 VP 38.065 GAP 2.32 AZP 89.98 TAL 150.77 TAP 15.26 RCA 107.20 APO 154.64 V2 35.160
 RC 93.352 GL -.19 GP -34.16 ZAL 44.63 ZAP 115.80 ETS 342.92 ZAE 134.08 ETE 216.03 ZAC 131.19 ETC 350.57 CLP-121.73

PLANETOCENTRIC CONIC

C3 11.338 VML 3.367 DLA 4.76 RAL 168.46 RAD 6567.4 VEL 11.521 PTH 2.01 VMP 3.991 DPA -13.88 RAP 129.34 ECC 1.1866
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 57 45 2235.40 -20.07 42.80 22.26 110.41 8 35 0 1635.4 -17.11 35.38
 90.00 21 6 39 4583.69 12.09 193.73 20.76 64.20 22 23 3 3983.7 8.52 186.87
 100.00 9 21 20 1965.82 -20.95 22.61 21.90 111.82 9 54 6 1365.8 -17.80 15.23
 100.00 22 25 45 4328.50 12.94 174.53 20.33 62.82 23 57 54 3728.5 9.19 167.75
 110.00 10 34 42 1736.19 -23.30 4.06 20.78 115.75 11 3 38 1136.2 -19.65 356.83
 110.00 23 28 52 4130.90 15.18 158.25 19.04 59.00 24 37 43 3530.9 10.96 151.69

DIFFERENTIAL CORRECTIONS

TDE -.7711 TRA 1.9876 TC3-3.1344 BAU .5296
 RDE -.4748 RRA 1.3828 RC3-1.5433 FAU .09631
 FDE-3.0815 FRA 6.2749 FC3-7.3540 BSP 15454
 BDE .9056 BRA 2.4213 BC3 3.4937 FSP -3794

MID-COURSE EXECUTION ACCURACY

SGT 4206.5 SGR 2703.3 SG3 1115.9
 RRT .9908 RRF .9933 RTF .9883
 SGB 5000.2 R23 .0649 R13 .9917
 SGI 4990.7 SG2 308.2 TMA 32.63

ORBIT DETERMINATION ACCURACY

ST 1662.0 SR 1074.9 SS 2121.4
 CRT .9982 CRS -.9856 CST -.9939
 LSA 2894.9 MSA 192.7 SSA 12.3
 EL1 1978.6 EL2 54.7 ALF 32.87

LAUNCH DATE APR 23 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 522.546

RL 150.40 LAL -.00 LOL 212.17 VL 27.398 GAL 6.14 AZL 90.28 HCA 227.72 SMA 130.86 ECC .18293 INC .2796 VI 29.625
 RP 107.75 LAP .21 LOP 79.88 VP 38.069 GAP 2.77 AZP 89.81 TAL 150.58 TAP 18.09 RCA 106.92 APO 154.80 V2 35.170
 RC 95.596 GL -2.23 GP -31.58 ZAL 44.11 ZAP 119.99 ETS 341.29 ZAE 133.24 ETE 211.42 ZAC 132.47 ETC 352.19 CLP-125.93

PLANETOCENTRIC CONIC

C3 11.738 VML 3.426 DLA 2.65 RAL 168.19 RAD 6567.4 VEL 11.538 PTH 2.01 VMP 4.053 DPA -11.18 RAP 129.22 ECC 1.1932
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 12 26 2176.99 -18.64 39.12 22.01 111.71 8 48 43 1577.0 -15.53 31.82
 90.00 20 49 49 4656.55 14.21 198.03 21.15 65.25 22 7 26 4056.6 10.75 191.06
 100.00 9 35 1 1910.63 -19.51 19.15 21.63 113.10 10 6 52 1310.6 -16.22 11.90
 100.00 22 9 56 4398.15 15.06 178.61 20.73 63.87 23 23 14 3798.1 11.43 171.70
 110.00 10 46 6 1688.16 -21.85 1.09 20.46 116.97 11 14 14 1088.2 -18.06 354.01
 110.00 23 15 20 4193.39 17.34 161.81 19.47 60.07 24 25 14 3593.4 13.23 155.11

DIFFERENTIAL CORRECTIONS

TDE -.9231 TRA 2.1882 TC3-3.2595 BAU .5530
 RDE -.4396 RRA 1.2674 RC3-1.3395 FAU .09244
 FDE-3.1971 FRA 6.1680 FC3-6.8173 BSP 16016
 BDE 1.0224 BRA 2.5288 BC3 3.5240 FSP -3708

MID-COURSE EXECUTION ACCURACY

SGT 4559.8 SGR 2425.8 SG3 1082.7
 RRT .9906 RRF .9911 RTF .9891
 SGB 5164.9 R23 .0528 R13 .9911
 SGI 5156.6 SG2 293.1 TMA 27.89

ORBIT DETERMINATION ACCURACY

ST 1896.1 SR 972.8 SS 2164.2
 CRT .9955 CRS -.9823 CST -.9956
 LSA 3031.3 MSA 190.8 SSA 12.6
 EL1 2129.5 EL2 82.3 ALF 27.10

LAUNCH DATE APR 23 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 528.761

RL 150.40 LAL -.00 LOL 212.17 VL 27.389 GAL 6.29 AZL 90.51 HCA 230.94 SMA 130.80 ECC .18492 INC .5122 VI 29.625
 RP 107.72 LAP .40 LOP 83.11 VP 38.072 GAP 3.22 AZP 89.68 TAL 149.96 TAP 20.90 RCA 106.61 APO 154.99 V2 35.180
 RC 97.843 GL -3.99 GP -29.20 ZAL 43.60 ZAP 123.97 ETS 339.94 ZAE 132.22 ETE 207.45 ZAC 133.39 ETC 353.96 CLP-129.81

PLANETOCENTRIC CONIC

C3 12.223 VML 3.496 DLA .79 RAL 168.06 RAD 6567.5 VEL 11.559 PTH 2.02 VMP 4.143 DPA -8.74 RAP 129.27 ECC 1.2012
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 25 45 2127.77 -17.37 36.06 22.09 112.72 9 1 12 1527.8 -14.14 28.87
 90.00 20 35 29 4722.83 18.06 202.02 21.82 66.36 21 54 12 4122.8 12.73 194.92
 100.00 9 47 27 1884.20 -18.25 18.28 21.69 114.09 10 18 31 1264.2 -14.84 9.14
 100.00 21 56 28 4461.63 16.93 182.40 21.41 64.99 23 10 49 3861.6 13.42 175.37
 110.00 10 56 33 1647.95 -20.59 358.65 20.48 117.91 11 24 0 1048.0 -16.69 351.69
 110.00 23 3 52 4250.63 19.25 165.14 20.17 61.19 24 14 42 3650.6 15.26 158.30

DIFFERENTIAL CORRECTIONS

TDE -1.0754 TRA 2.3833 TC3-3.3386 BAU .5763
 RDE -.4004 RRA 1.1636 RC3-1.1530 FAU .08744
 FDE-3.2811 FRA 6.0095 FC3-6.1930 BSP 16621
 BDE 1.1475 BRA 2.6522 BC3 3.5264 FSP -3576

MID-COURSE EXECUTION ACCURACY

SGT 4877.9 SGR 2172.0 SG3 1038.0
 RRT .9896 RRF .9881 RTF .9895
 SGB 5339.6 R23 .0384 R13 .9906
 SGI 5331.9 SG2 286.0 TMA 23.85

ORBIT DETERMINATION ACCURACY

ST 2117.5 SR 870.9 SS 2186.4
 CRT .9915 CRS -.9776 CST -.9966
 LSA 3160.1 MSA 190.5 SSA 12.9
 EL1 2287.2 EL2 104.8 ALF 22.23

LAUNCH DATE APR 23 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 534.952

RL 150.40 LAL -.00 LOL 212.17 VL 27.378 GAL 6.46 AZL 90.72 MCA 234.17 SMA 130.72 ECC .18716 INC .7242 VI 29.625
 RP 107.69 LAP .59 LOP 86.34 VP 38.073 GAP 3.67 AZP 89.58 TAL 149.51 TAP 23.69 RCA 106.26 APO 155.19 V2 35.190
 RC 100.092 GL -5.52 GP -27.03 ZAL 43.10 ZAP 127.73 ETS 338.80 ZAE 131.10 ETE 204.07 ZAC 133.97 ETC 355.80 CLP-133.40

PLANETOCENTRIC CONIC

C3 12.791 VML 3.576 DLA -.86 RAL 168.05 RAD 6567.5 VEL 11.583 PTH 2.03 VMP 4.258 DPA -6.55 RAP 129.50 ECC 1.2105
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 37 57 2086.22 -16.26 33.51 22.43 113.51 9 12 44 1486.2 -12.94 26.41
 90.00 20 23 12 4783.72 17.68 205.75 22.73 67.52 21 42 56 4183.7 14.48 198.53
 100.00 9 58 54 1825.13 -17.15 13.90 22.01 114.87 10 29 19 1225.1 -13.65 6.85
 100.00 21 44 57 4520.05 18.58 185.96 22.33 66.15 23 0 17 3920.0 15.20 178.79
 110.00 11 6 13 1614.39 -19.51 356.65 20.76 118.64 11 33 8 1014.4 -15.53 349.79
 110.00 22 54 7 4303.55 20.96 168.30 21.11 62.35 24 5 50 3703.6 17.09 161.31

DIFFERENTIAL CORRECTIONS

TDE-1.2252 TRA 2.5773 TC3-3.3522 BAU .5974
 RDE -.3578 RRA 1.0728 RC3 -.9830 FAU .08139
 FDE-3.2738 FRA 5.8244 FC3-5.5089 BSP 17174
 BDE 1.2764 BRA 2.7917 BC3 3.4934 FSP -3397

MID-COURSE EXECUTION ACCURACY

SGT 5162.8 SGR 1943.5 SG3 985.6
 RRT .9875 RRF .9841 RTF .9896
 SGB 5516.5 R23 .0242 R13 .9902
 SG1 5509.0 SG2 286.9 THA 20.45

ORBIT DETERMINATION ACCURACY

ST 2322.2 SR 771.3 SS 2187.8
 CRT .9857 CRS -.9708 CST -.9973
 LSA 3276.7 MSA 191.3 SSA 13.1
 EL1 2443.8 EL2 123.7 ALF 18.17

LAUNCH DATE APR 23 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 541.117

RL 150.40 LAL -.00 LOL 212.17 VL 27.367 GAL 6.65 AZL 90.92 MCA 237.41 SMA 130.64 ECC .18966 INC .9198 VI 29.625
 RP 107.66 LAP .78 LOP 89.57 VP 38.073 GAP 4.13 AZP 89.50 TAL 149.03 TAP 26.44 RCA 105.86 APO 155.42 V2 35.199
 RC 102.344 GL -6.84 GP -25.05 ZAL 42.59 ZAP 131.26 ETS 337.81 ZAE 129.94 ETE 201.22 ZAC 134.23 ETC 357.64 CLP-136.72

PLANETOCENTRIC CONIC

C3 13.441 VML 3.666 DLA -2.34 RAL 168.15 RAD 6567.5 VEL 11.612 PTH 2.03 VMP 4.396 DPA -4.61 RAP 129.90 ECC 1.2212
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 49 17 2051.24 -15.30 31.40 23.00 114.12 9 23 28 1451.2 -11.91 24.36
 90.00 20 12 40 4640.13 19.12 209.27 23.84 68.70 21 33 20 4240.1 16.05 201.93
 100.00 10 9 32 1792.36 -16.20 11.93 22.57 115.47 10 39 24 1192.4 -12.64 4.95
 100.00 21 35 5 4574.25 20.03 189.32 23.45 67.34 22 51 20 3974.2 16.79 182.03
 110.00 11 15 17 1588.54 -18.59 355.01 21.28 119.22 11 41 43 986.5 -14.55 348.22
 110.00 22 45 50 4352.83 22.48 171.31 22.25 63.55 23 58 23 3752.8 18.75 164.17

DIFFERENTIAL CORRECTIONS

TDE-1.3776 TRA 2.7881 TC3-3.3409 BAU .6190
 RDE -.3164 RRA .9914 RC3 -.8395 FAU .07540
 FDE-3.2619 FRA 5.6107 FC3-4.8566 BSP 17809
 BDE 1.4135 BRA 2.9384 BC3 3.4448 FSP -3220

MID-COURSE EXECUTION ACCURACY

SGT 5418.0 SGR 1740.0 SG3 929.3
 RRT .9845 RRF .9789 RTF .9896
 SGB 5690.6 R23 .0106 R13 .9899
 SG1 5683.1 SG2 291.3 THA 17.59

ORBIT DETERMINATION ACCURACY

ST 2515.0 SR 679.1 SS 2179.4
 CRT .9775 CRS -.9615 CST -.9978
 LSA 3391.0 MSA 192.5 SSA 13.2
 EL1 2601.4 EL2 138.4 ALF 14.83

LAUNCH DATE APR 23 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 547.255

RL 150.40 LAL -.00 LOL 212.17 VL 27.354 GAL 6.85 AZL 91.10 MCA 240.64 SMA 130.55 ECC .19243 INC 1.1018 VI 29.625
 RP 107.63 LAP .96 LOP 92.80 VP 38.072 GAP 4.59 AZP 89.46 TAL 148.53 TAP 29.17 RCA 105.43 APO 155.67 V2 35.208
 RC 104.596 GL -7.97 GP -23.26 ZAL 42.07 ZAP 134.56 ETS 336.94 ZAE 128.79 ETE 198.83 ZAC 134.20 ETC 359.41 CLP-139.80

PLANETOCENTRIC CONIC

C3 14.178 VML 3.765 DLA -3.65 RAL 168.34 RAD 6567.6 VEL 11.643 PTH 2.04 VMP 4.553 DPA -2.91 RAP 130.48 ECC 1.2333
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 59 52 2021.97 -14.48 29.64 23.78 114.60 9 33 34 1422.0 -11.04 22.65
 90.00 20 3 36 4892.79 20.38 212.61 25.13 69.91 21 25 9 4292.8 17.46 205.15
 100.00 10 19 30 1765.08 -15.39 10.30 23.33 115.95 10 48 55 1165.1 -11.78 3.38
 100.00 21 26 39 4624.91 21.33 192.53 24.75 68.55 22 43 44 4024.9 18.23 185.11
 110.00 11 23 49 1563.71 -17.82 353.68 21.99 119.66 11 49 53 963.7 -13.74 346.95
 110.00 22 38 49 4399.05 23.85 174.20 23.57 64.76 23 52 8 3799.1 20.25 166.91

DIFFERENTIAL CORRECTIONS

TDE-1.5295 TRA 2.9553 TC3-3.2951 BAU .6392
 RDE -.2750 RRA .9204 RC3 -.7156 FAU .06926
 FDE-3.2215 FRA 5.3903 FC3-4.2292 BSP 18418
 BDE 1.5540 BRA 3.0953 BC3 3.3719 FSP -3032

MID-COURSE EXECUTION ACCURACY

SGT 5646.1 SGR 1560.4 SG3 871.4
 RRT .9801 RRF .9723 RTF .9895
 SGB 5857.8 R23 -.0011 R13 .9896
 SG1 5850.1 SG2 299.2 THA 15.20

ORBIT DETERMINATION ACCURACY

ST 2692.4 SR 593.8 SS 2158.8
 CRT .9658 CRS -.9485 CST -.9981
 LSA 3496.3 MSA 194.0 SSA 13.3
 EL1 2753.0 EL2 150.5 ALF 12.06

LAUNCH DATE APR 23 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 553.365

RL 150.40 LAL -.00 LOL 212.17 VL 27.340 GAL 7.08 AZL 91.27 MCA 243.88 SMA 130.46 ECC .19547 INC 1.2726 VI 29.625
 RP 107.61 LAP 1.14 LOP 98.04 VP 38.070 GAP 5.06 AZP 89.44 TAL 148.00 TAP 31.88 RCA 104.96 APO 155.96 V2 35.216
 RC 106.849 GL -8.95 GP -21.65 ZAL 41.53 ZAP 137.64 ETS 336.15 ZAE 127.66 ETE 196.82 ZAC 133.89 ETC 359.10 CLP-142.66

PLANETOCENTRIC CONIC

C3 15.007 VML 3.874 DLA -4.83 RAL 168.61 RAD 6567.6 VEL 11.679 PTH 2.05 VMP 4.728 DPA -1.43 RAP 131.21 ECC 1.2470
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 9 48 1997.73 -13.79 28.20 24.73 114.98 9 43 6 1397.7 -10.30 21.25
 90.00 19 55 49 4942.28 21.51 215.81 26.58 71.12 21 18 12 4342.3 18.73 208.23
 100.00 10 28 53 1742.66 -14.72 8.98 24.26 116.31 10 57 55 1142.7 -11.07 2.09
 100.00 21 19 26 4672.58 22.48 195.60 26.21 69.77 22 37 19 4072.6 19.53 188.05
 110.00 11 31 55 1545.33 -17.20 352.62 22.88 120.00 11 57 40 945.3 -13.08 345.93
 110.00 22 32 54 4442.68 25.09 176.98 25.05 65.99 23 46 56 3842.7 21.63 169.54

DIFFERENTIAL CORRECTIONS

TDE-1.6812 TRA 3.1488 TC3-3.2210 BAU .6577
 RDE -.2345 RRA .8567 RC3 -.6097 FAU .06319
 FDE-3.1612 FRA 5.1708 FC3-3.6453 BSP 18999
 BDE 1.6974 BRA 3.2616 BC3 3.2782 FSP -2842

MID-COURSE EXECUTION ACCURACY

SGT 5850.1 SGR 1402.8 SG3 813.9
 RRT .9741 RRF .9639 RTF .9893
 SGB 6015.9 R23 -.0108 R13 .9892
 SG1 6008.0 SG2 308.9 THA 13.18

ORBIT DETERMINATION ACCURACY

ST 2855.0 SR 516.4 SS 2129.2
 CRT .9490 CRS -.9299 CST -.9984
 LSA 3593.4 MSA 195.8 SSA 13.3
 EL1 2896.9 EL2 160.5 ALF 9.77

LAUNCH DATE APR 23 1967 FLIGHT TIME 206.00 ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC
 RL 150.40 LAL -.00 LOL 212.17 VL 27.325 GAL 7.32 AZL 91.43 MCA 247.11 SMA 130.35 ECC .19880 INC 1.4343 V1 29.625
 RP 107.59 LAP 1.32 LOP 99.27 VP 38.066 GAP 5.53 AZP 89.44 TAL 147.44 TAP 34.56 RCA 104.44 APO 156.27 V2 35.223
 RC 109.101 GL -9.79 GP -20.20 ZAL 40.96 ZAP 140.51 ETS 335.39 ZAE 126.58 ETE 195.14 ZAC 133.35 ETC 2.64 CLP-145.32

PLANETOCENTRIC CONIC
 C3 15.936 VHL 3.992 DLA -5.89 RAL 168.96 RAD 6567.6 VEL 11.718 PTM 2.06 VMP 4.920 DPA -.16 RAP 132.10 ECC 1.2623
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 19 11 1978.01 -13.22 27.03 25.83 115.27 9 52 9 1378.0 -9.70 20.12
 90.00 19 49 10 4989.06 22.51 218.87 28.18 72.35 21 12 19 4389.1 19.88 211.18
 100.00 10 37 45 1724.61 -14.17 7.92 25.35 116.60 11 6 30 1124.6 -10.49 1.07
 100.00 21 13 18 4717.70 23.52 198.55 27.81 70.99 22 31 56 4117.7 20.70 190.88
 110.00 11 39 36 1530.95 -16.71 351.80 23.93 120.26 12 5 7 930.9 -12.57 345.14
 110.00 22 27 56 4484.12 26.21 179.68 26.68 67.23 23 42 40 3884.1 22.90 172.09

MID-COURSE EXECUTION ACCURACY
 SGT 6031.9 SGR 1264.8 SG3 758.0
 RRT .9662 RRF .9535 RTF .9890
 SGB 6163.1 R23 -.0186 R13 .9889
 SG1 6154.8 SG2 319.5 THA 11.48

ORBIT DETERMINATION ACCURACY
 ST 3003.0 SR 447.2 SS 2092.3
 CRT .9245 CRS -.9035 CST -.9986
 LSA 3681.9 MSA 197.5 SSA 13.4
 EL1 3031.4 EL2 168.9 ALF 7.86

DIFFERENTIAL CORRECTIONS
 TDE-1.8328 TRA 3.3415 TC3-3.1231 BAU .6745
 ROE -.1951 RRA .8050 RC3 -.5195 FAU .05728
 FDE-3.0860 FRA 4.9581 FC3-3.1117 BSP 19546
 BOE 1.8432 BRA 3.4372 BC3 3.1660 FSP -2654

LAUNCH DATE APR 23 1967 FLIGHT TIME 208.00 ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC
 RL 150.40 LAL -.00 LOL 212.17 VL 27.310 GAL 7.59 AZL 91.59 MCA 250.35 SMA 130.24 ECC .20244 INC 1.5885 V1 29.625
 RP 107.57 LAP 1.50 LOP 102.51 VP 38.061 GAP 6.02 AZP 89.47 TAL 146.87 TAP 37.22 RCA 103.88 APO 156.61 V2 35.230
 RC 111.351 GL -10.50 GP -18.89 ZAL 40.38 ZAP 143.19 ETS 334.64 ZAE 125.57 ETE 193.72 ZAC 132.61 ETC 4.04 CLP-147.80

PLANETOCENTRIC CONIC
 C3 16.973 VHL 4.120 DLA -8.84 RAL 169.36 RAD 6567.7 VEL 11.762 PTM 2.08 VMP 5.127 DPA .93 RAP 133.11 ECC 1.2793
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 20 5 1962.39 -12.76 26.11 27.07 115.49 10 0 48 1362.4 -9.22 19.22
 90.00 19 43 31 5033.52 23.39 221.83 29.90 73.57 21 7 25 4433.5 20.92 214.03
 100.00 10 46 10 1710.51 -13.74 7.09 26.58 116.81 11 14 40 1110.5 -10.03 .26
 100.00 21 8 8 4760.63 24.44 201.41 29.55 72.23 22 27 28 4160.6 21.78 193.62
 110.00 11 46 57 1520.21 -16.34 351.18 25.11 120.45 12 12 17 920.2 -12.18 344.55
 110.00 22 23 50 4523.69 27.23 182.31 28.45 68.49 23 39 14 3923.7 24.06 174.58

MID-COURSE EXECUTION ACCURACY
 SGT 6193.6 SGR 1144.5 SG3 704.5
 RRT .9560 RRF .9408 RTF .9887
 SGB 6298.4 R23 -.0242 R13 .9885
 SG1 6289.8 SG2 330.5 THA 10.05

ORBIT DETERMINATION ACCURACY
 ST 3134.2 SR 386.1 SS 2048.0
 CRT .8883 CRS -.8652 CST -.9988
 LSA 3758.6 MSA 199.4 SSA 13.5
 EL1 3153.0 EL2 176.3 ALF 6.27

DIFFERENTIAL CORRECTIONS
 TDE-1.9821 TRA 3.5449 TC3-2.9992 BAU .6879
 ROE -.1563 RRA .7591 RC3 -.4412 FAU .05139
 FDE-2.9968 FRA 4.7603 FC3-2.6211 BSP 19983
 BOE 1.9883 BRA 3.6253 BC3 3.0315 FSP -2462

LAUNCH DATE APR 23 1967 FLIGHT TIME 210.00 ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC
 RL 150.40 LAL -.00 LOL 212.17 VL 27.293 GAL 7.88 AZL 91.74 MCA 253.59 SMA 130.13 ECC .20640 INC 1.7367 V1 29.625
 RP 107.55 LAP 1.67 LOP 105.75 VP 38.055 GAP 6.51 AZP 89.51 TAL 146.27 TAP 39.86 RCA 103.27 APO 156.99 V2 35.236
 RC 113.598 GL -11.10 GP -17.71 ZAL 39.78 ZAP 145.69 ETS 333.88 ZAE 124.61 ETE 192.52 ZAC 131.68 ETC 5.29 CLP-150.13

PLANETOCENTRIC CONIC
 C3 18.130 VHL 4.258 DLA -7.69 RAL 169.82 RAD 6567.7 VEL 11.812 PTM 2.09 VMP 5.350 DPA 1.85 RAP 134.25 ECC 1.2984
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 36 31 1950.53 -12.41 25.41 28.44 115.66 10 9 2 1350.5 -8.86 18.54
 90.00 19 38 46 5075.96 24.18 224.69 31.75 74.80 21 3 22 4476.0 21.86 216.79
 100.00 10 54 10 1700.05 -13.42 6.48 27.93 116.96 11 22 30 1100.1 -9.70 359.67
 100.00 21 3 48 4801.67 25.26 204.18 31.41 73.46 22 23 50 4201.7 22.75 196.28
 110.00 11 53 58 1512.83 -16.09 350.76 26.42 120.58 12 19 11 912.8 -11.91 344.15
 110.00 22 20 30 4561.67 28.15 184.88 30.34 69.75 23 36 32 3961.7 25.13 177.01

MID-COURSE EXECUTION ACCURACY
 SGT 6338.5 SGR 1039.4 SG3 654.2
 RRT .9435 RRF .9256 RTF .9884
 SGB 6423.1 R23 -.0290 R13 .9882
 SG1 6414.1 SG2 340.5 THA 8.82

ORBIT DETERMINATION ACCURACY
 ST 3256.0 SR 334.2 SS 2003.5
 CRT .8373 CRS -.8119 CST -.9990
 LSA 3832.3 MSA 201.0 SSA 13.5
 EL1 3268.0 EL2 182.1 ALF 4.93

DIFFERENTIAL CORRECTIONS
 TDE-2.1359 TRA 3.7514 TC3-2.8687 BAU .7013
 ROE -.1198 RRA .7183 RC3 -.3768 FAU .04612
 FDE-2.9086 FRA 4.5693 FC3-2.2025 BSP 20469
 BOE 2.1393 BRA 3.8196 BC3 2.8934 FSP -2293

LAUNCH DATE APR 23 1967 FLIGHT TIME 212.00 ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC
 RL 150.40 LAL -.00 LOL 212.17 VL 27.276 GAL 8.19 AZL 91.88 MCA 256.83 SMA 130.01 ECC .21071 INC 1.8800 V1 29.625
 RP 107.53 LAP 1.83 LOP 108.99 VP 38.048 GAP 7.02 AZP 89.57 TAL 145.65 TAP 42.48 RCA 102.62 APO 157.41 V2 35.241
 RC 115.842 GL -11.60 GP -16.66 ZAL 39.16 ZAP 148.03 ETS 333.08 ZAE 123.72 ETE 191.51 ZAC 130.60 ETC 6.40 CLP-152.32

PLANETOCENTRIC CONIC
 C3 19.420 VHL 4.407 DLA -8.46 RAL 170.33 RAD 6567.8 VEL 11.866 PTM 2.10 VMP 5.588 DPA 2.60 RAP 135.50 ECC 1.3196
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 44 32 1942.15 -12.16 24.92 29.92 115.77 10 16 54 1342.2 -8.60 18.06
 90.00 19 34 48 5116.68 24.88 227.47 33.71 76.02 21 0 5 4516.7 22.71 219.47
 100.00 11 1 47 1692.96 -13.20 6.07 29.40 117.07 11 30 0 1093.0 -9.47 359.27
 100.00 21 0 15 4841.10 26.00 206.88 33.38 74.70 22 20 56 4241.1 23.65 198.87
 110.00 12 0 40 1508.55 -15.94 350.52 27.84 120.65 12 25 49 908.6 -11.75 343.91
 110.00 22 17 50 4598.28 28.99 187.40 32.34 71.03 23 34 29 3998.3 26.12 179.39

MID-COURSE EXECUTION ACCURACY
 SGT 6467.3 SGR 947.5 SG3 607.1
 RRT .9281 RRF .9075 RTF .9880
 SGB 6536.3 R23 -.0326 R13 .9878
 SG1 6527.0 SG2 349.6 THA 7.77

ORBIT DETERMINATION ACCURACY
 ST 3365.1 SR 290.9 SS 1956.6
 CRT .7651 CRS -.7373 CST -.9991
 LSA 3898.2 MSA 202.4 SSA 13.4
 EL1 3372.5 EL2 186.9 ALF 3.80

DIFFERENTIAL CORRECTIONS
 TDE-2.2910 TRA 3.9662 TC3-2.7263 BAU .7127
 ROE -.0845 RRA .6826 RC3 -.3220 FAU .04118
 FDE-2.8180 FRA 4.3922 FC3-1.8358 BSP 20916
 BOE 2.2926 BRA 4.0245 BC3 2.7452 FSP -2132

LAUNCH DATE APR 23 1967

FLIGHT TIME 214.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 583.399

RL 150.40 LAL -.00 LOL 212.17 VL 27.259 GAL 8.53 AZL 92.02 MCA 260.08 SMA 129.89 ECC .21537 INC 2.0197 V1 29.625
 RP 107.52 LAP 1.99 LOP 112.24 VP 38.039 GAP 7.54 AZP 89.65 TAL 145.02 TAP 45.09 RCA 101.91 APO 157.86 V2 35.246
 RC 118.080 GL -12.01 GP -15.71 ZAL 38.52 ZAP 150.23 ETS 332.21 ZAE 122.90 ETE 190.64 ZAC 129.38 ETC 7.36 CLP-154.38

PLANETOCENTRIC CONIC

C3 20.860 VML 4.567 DLA -9.14 RAL 170.88 RAD 6567.8 VEL 11.926 PTH 2.12 VMP 5.841 DPA 3.22 RAP 136.85 ECC 1.3433
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 52 9 1937.03 -12.01 24.62 31.51 115.84 10 24 26 1337.0 -8.44 17.76
 90.00 19 31 34 5155.88 25.50 230.17 35.76 77.24 20 57 29 4555.9 23.49 222.08
 100.00 11 9 1 1689.02 -13.08 5.84 30.97 117.12 11 37 10 1089.0 -9.34 359.05
 100.00 20 57 22 4879.12 26.65 209.51 35.45 75.94 22 18 41 4279.1 24.46 201.40
 110.00 12 7 5 1507.18 -15.89 350.44 29.36 120.67 12 32 13 907.2 -11.70 343.84
 110.00 22 15 47 4633.73 29.74 189.88 34.46 72.32 23 33 1 4033.7 27.04 181.74

DIFFERENTIAL CORRECTIONS

TOE-2.4481 TRA 4.1908 TC3-2.5749 BAU .7222
 RDE -.0503 RRA .6511 RC3 -.2751 FAU .03657
 FDE-2.7272 FRA 4.2289 FC3-1.5176 BSP 21323
 BDE 2.4486 BRA 4.2410 BC3 2.5895 FSP -1982

MID-COURSE EXECUTION ACCURACY

SGT 6581.7 SGR 867.0 SG3 563.3
 RRT .9096 RRF .8864 RTF .9877
 SGB 6638.5 R23 -.0354 R13 .9875
 SG1 6628.9 SG2 357.6 THA 6.85

ORBIT DETERMINATION ACCURACY

ST 3462.5 SR 256.2 SS 1908.6
 CRT .6660 CRS -.6360 CST -.9992
 LSA 3956.7 MSA 203.6 SSA 13.4
 EL1 3466.7 EL2 190.9 ALF 2.83

LAUNCH DATE APR 23 1967

FLIGHT TIME 216.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 589.282

RL 150.40 LAL -.00 LOL 212.17 VL 27.240 GAL 8.89 AZL 92.16 MCA 263.32 SMA 129.76 ECC .22044 INC 2.1566 V1 29.625
 RP 107.50 LAP 2.14 LOP 115.48 VP 38.030 GAP 8.08 AZP 89.75 TAL 144.37 TAP 47.69 RCA 101.16 APO 158.37 V2 35.250
 RC 120.312 GL -12.34 GP -14.85 ZAL 37.87 ZAP 152.29 ETS 331.26 ZAE 122.13 ETE 189.89 ZAC 128.06 ETC 8.20 CLP-156.34

PLANETOCENTRIC CONIC

C3 22.488 VML 4.740 DLA -9.75 RAL 171.46 RAD 6567.9 VEL 11.994 PTH 2.14 VMP 6.109 DPA 3.70 RAP 138.28 ECC 1.3698
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 59 22 1934.98 -11.95 24.50 33.19 115.86 10 31 37 1335.0 -8.38 17.65
 90.00 19 28 58 5193.77 26.04 232.82 37.91 78.46 20 55 32 4593.8 24.19 224.64
 100.00 11 15 54 1688.05 -13.05 5.79 32.63 117.13 11 44 3 1088.1 -9.31 358.99
 100.00 20 55 7 4915.93 27.24 212.09 37.62 77.18 22 17 3 4315.9 25.20 203.88
 110.00 12 13 14 1508.56 -15.94 350.52 30.99 120.65 12 38 22 908.6 -11.75 343.91
 110.00 22 14 17 4668.19 30.43 192.33 36.67 73.62 23 32 5 4068.2 27.89 184.06

DIFFERENTIAL CORRECTIONS

TOE-2.6076 TRA 4.4270 TC3-2.4162 BAU .7292
 RDE -.0171 RRA .8232 RC3 -.2348 FAU .03224
 FDE-2.6374 FRA 4.0805 FC3-1.2423 BSP 21687
 BDE 2.6076 BRA 4.4706 BC3 2.4275 FSP -1841

MID-COURSE EXECUTION ACCURACY

SGT 6683.0 SGR 796.5 SG3 522.7
 RRT .8878 RRF .8621 RTF .9874
 SGB 6730.3 R23 -.0373 R13 .9872
 SG1 6720.4 SG2 364.5 THA 6.06

ORBIT DETERMINATION ACCURACY

ST 3548.7 SR 230.3 SS 1860.0
 CRT .5370 CRS -.5054 CST -.9993
 LSA 4007.9 MSA 204.5 SSA 13.5
 EL1 3550.8 EL2 194.2 ALF 2.00

LAUNCH DATE APR 23 1967

FLIGHT TIME 218.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 595.113

RL 150.40 LAL -.00 LOL 212.17 VL 27.221 GAL 9.29 AZL 92.29 MCA 266.56 SMA 129.63 ECC .22592 INC 2.2917 V1 29.625
 RP 107.49 LAP 2.29 LOP 118.73 VP 38.020 GAP 8.63 AZP 89.86 TAL 143.71 TAP 50.27 RCA 100.34 APO 158.92 V2 35.253
 RC 122.538 GL -12.60 GP -14.08 ZAL 37.21 ZAP 154.23 ETS 330.20 ZAE 121.42 ETE 189.25 ZAC 126.63 ETC 8.93 CLP-158.20

PLANETOCENTRIC CONIC

C3 24.266 VML 4.926 DLA -10.30 RAL 172.07 RAD 6568.0 VEL 12.068 PTH 2.16 VMP 6.394 DPA 4.07 RAP 139.79 ECC 1.3994
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 6 13 1935.83 -11.98 24.55 34.96 115.85 10 38 29 1335.8 -8.40 17.70
 90.00 19 26 59 5230.51 26.51 235.40 40.15 79.67 20 54 9 4630.5 24.82 227.14
 100.00 11 22 27 1689.89 -13.10 5.89 34.39 117.11 11 50 37 1089.9 -9.37 359.10
 100.00 20 55 26 4951.68 27.75 214.62 39.88 78.42 22 15 58 4351.7 25.87 206.33
 110.00 12 19 5 1512.53 -16.08 350.75 32.70 120.58 12 44 18 912.5 -11.90 344.13
 110.00 22 13 17 4701.80 31.05 194.75 38.99 74.93 23 31 39 4101.8 28.67 186.36

DIFFERENTIAL CORRECTIONS

TOE-2.7673 TRA 4.6786 TC3-2.2487 BAU .7324
 RDE .0158 RRA .5982 RC3 -.1995 FAU .02808
 FDE-2.5466 FRA 3.9482 FC3-1.0018 BSP 21948
 BDE 2.7673 BRA 4.7167 BC3 2.2576 FSP -1704

MID-COURSE EXECUTION ACCURACY

SGT 6771.9 SGR 734.2 SG3 485.2
 RRT .8623 RRF .8344 RTF .9871
 SGB 6811.6 R23 -.0382 R13 .9869
 SG1 6801.5 SG2 370.2 THA 5.36

ORBIT DETERMINATION ACCURACY

ST 3621.8 SR 213.0 SS 1809.9
 CRT .3799 CRS -.3477 CST -.9994
 LSA 4049.2 MSA 205.4 SSA 13.3
 EL1 3622.7 EL2 197.0 ALF 1.28

LAUNCH DATE APR 23 1967

FLIGHT TIME 220.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 600.888

RL 150.40 LAL -.00 LOL 212.17 VL 27.202 GAL 9.71 AZL 92.43 MCA 269.81 SMA 129.50 ECC .23187 INC 2.4260 V1 29.625
 RP 107.49 LAP 2.43 LOP 121.97 VP 38.008 GAP 9.21 AZP 89.99 TAL 143.04 TAP 52.85 RCA 99.47 APO 159.53 V2 35.256
 RC 124.755 GL -12.79 GP -13.38 ZAL 36.54 ZAP 156.07 ETS 329.00 ZAE 120.75 ETE 188.69 ZAC 125.12 ETC 9.55 CLP-159.98

PLANETOCENTRIC CONIC

C3 26.282 VML 5.127 DLA -10.79 RAL 172.70 RAD 6568.1 VEL 12.151 PTH 2.18 VMP 6.695 DPA 4.32 RAP 141.36 ECC 1.4325
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 12 42 1939.45 -12.08 24.76 36.82 115.80 10 45 2 1339.5 -8.51 17.90
 90.00 19 25 31 5266.23 26.92 237.94 42.47 80.88 20 53 17 4666.2 25.39 229.60
 100.00 11 28 39 1694.42 -13.24 6.16 36.23 117.04 11 56 54 1094.4 -9.51 359.35
 100.00 20 52 15 4986.50 28.20 217.11 42.22 79.66 22 13 22 4386.5 26.48 208.73
 110.00 12 24 41 1518.99 -16.30 351.11 34.49 120.47 12 50 0 919.0 -12.13 344.48
 110.00 22 12 43 4734.69 31.61 197.16 41.38 76.25 23 31 38 4134.7 29.40 188.65

DIFFERENTIAL CORRECTIONS

TOE-2.9345 TRA 4.9406 TC3-2.0854 BAU .7352
 RDE .0476 RRA .5749 RC3 -.1889 FAU .02441
 FDE-2.4840 FRA 3.8253 FC3 -.8041 BSP 22264
 BDE 2.9349 BRA 4.9739 BC3 2.0923 FSP -1585

MID-COURSE EXECUTION ACCURACY

SGT 6850.2 SGR 679.0 SG3 450.6
 RRT .8331 RRF .8031 RTF .9868
 SGB 6883.8 R23 -.0389 R13 .9867
 SG1 6873.6 SG2 374.3 THA 4.73

ORBIT DETERMINATION ACCURACY

ST 3688.4 SR 203.4 SS 1763.0
 CRT .2092 CRS -.1774 CST -.9994
 LSA 4088.0 MSA 205.7 SSA 13.1
 EL1 3688.7 EL2 198.9 ALF .66

LAUNCH DATE APR 24 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 3 1967

HELIOCENTRIC CONIC

DISTANCE 124.879

RL 150.44 LAL -0.00 LOL 213.14 VL 14.379 GAL 32.42 AZL 88.61 HCA 31.04 SMA 85.21 ECC .83971 INC 1.3947 V1 29.617
 RP 108.50 LAP .72 LOP 244.17 VP 29.815 GAP -55.63 AZP 88.80 TAL 172.74 TAP 203.78 RCA 13.66 APO 156.76 V2 34.929
 RC 91.019 GL .89 GP 2.47 ZAL 67.50 ZAP 36.24 ETS 186.48 ZAE 134.90 ETE 177.38 ZAC 157.70 ETC 51.98 CLP 36.17

PLANETOCENTRIC CONIC

C3 358.054 VHL 18.922 DLA 13.82 RAL 148.22 RAD 6572.0 VEL 21.894 PTH 3.23 VHP 30.782 DPA 26.88 RAP 101.36 ECC 6.8927
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 20 12 3252.61 -25.33 114.41 59.61 76.90 6 14 24 2692.6 -26.88 106.08
 90.00 20 54 52 5008.63 22.90 220.17 47.01 72.88 22 18 21 4408.6 20.34 212.43
 100.00 6 48 49 2966.78 -27.09 93.84 60.06 76.85 7 38 16 2366.8 -28.63 85.38
 100.00 22 8 55 4769.69 24.62 202.02 46.42 72.50 23 28 25 4169.7 22.00 194.20
 110.00 8 13 25 2702.07 -31.75 75.00 61.32 76.61 8 58 27 2102.1 -33.26 66.10
 110.00 23 0 49 4607.16 29.18 188.02 44.76 71.35 24 17 36 4007.2 26.36 179.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7956 TRA-2.1383 TC3 -.1037 BAU .4964
 RDE-1.3777 RRA -.6399 RC3 .0029 FAU .01145
 FDE -.2968 FRA .7154 FC3 -.0277 BSP 1904
 BOE 1.5909 BRA 2.2320 BC3 .1037 FSP -46

SGT 810.2 SGR 462.6 SG3 22.7
 RRT .0752 RRF -.0674 RTF -.6083
 SGB 933.0 R23 .0002 R13 -.6086
 SGI 811.3 SG2 460.6 TMA 3.63

ST 313.3 SR 421.4 SS 298.1
 CRT -.6704 CRS -.7088 CST .9964
 LSA 554.8 MSA 238.1 SSA 14.1
 EL1 484.7 EL2 202.2 ALF 122.92

LAUNCH DATE APR 24 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 5 1967

HELIOCENTRIC CONIC

DISTANCE 130.120

RL 150.44 LAL -0.00 LOL 213.14 VL 15.212 GAL 30.83 AZL 89.05 HCA 34.22 SMA 86.58 ECC .81481 INC .9490 V1 29.617
 RP 108.53 LAP .53 LOP 247.35 VP 30.211 GAP -53.18 AZP 89.21 TAL 171.86 TAP 206.07 RCA 16.03 APO 157.12 V2 34.917
 RC 88.632 GL .68 GP 2.52 ZAL 66.12 ZAP 34.72 ETS 186.71 ZAE 134.86 ETE 176.95 ZAC 156.54 ETC 49.06 CLP 34.64

PLANETOCENTRIC CONIC

C3 327.795 VHL 18.105 DLA 13.15 RAL 149.48 RAD 6571.8 VEL 21.192 PTH 3.20 VHP 29.683 DPA 26.89 RAP 103.23 ECC 6.3947
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 31 3 3219.94 -25.81 112.14 59.92 77.94 6 24 43 2619.9 -27.22 103.75
 90.00 20 54 4 5022.06 23.17 221.06 47.76 73.25 22 17 46 4422.1 20.66 213.29
 100.00 6 59 14 2935.54 -27.55 91.63 60.33 77.92 7 48 9 2335.5 -28.94 83.11
 100.00 22 8 34 4781.69 24.87 202.82 47.19 72.86 23 28 15 4181.7 22.29 194.98
 110.00 8 22 52 2673.83 -32.18 72.91 61.48 77.78 9 7 26 2073.8 -33.52 63.94
 110.00 23 1 25 4616.17 29.38 188.65 45.57 71.68 24 18 21 4016.2 26.59 180.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8076 TRA-2.1558 TC3 -.1108 BAU .4859
 RDE-1.3304 RRA -.6353 RC3 .0038 FAU .01149
 FDE -.3154 FRA .7414 FC3 -.0303 BSP 2020
 BOE 1.5563 BRA 2.2474 BC3 .1109 FSP -50

SGT 848.8 SGR 488.1 SG3 24.4
 RRT .0794 RRF -.0715 RTF -.6267
 SGB 960.1 R23 -.0001 R13 -.6271
 SGI 848.0 SG2 467.0 TMA 3.61

ST 331.1 SR 425.5 SS 314.9
 CRT -.6713 CRS -.7136 CST .9963
 LSA 574.4 MSA 244.5 SSA 14.3
 EL1 496.5 EL2 210.4 ALF 124.66

LAUNCH DATE APR 24 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 7 1967

HELIOCENTRIC CONIC

DISTANCE 135.491

RL 150.44 LAL -0.00 LOL 213.14 VL 15.996 GAL 29.38 AZL 89.43 HCA 37.39 SMA 87.98 ECC .78956 INC .5708 V1 29.617
 RP 108.57 LAP .35 LOP 250.53 VP 30.600 GAP -50.86 AZP 89.55 TAL 170.96 TAP 208.36 RCA 18.51 APO 157.45 V2 34.905
 RC 86.259 GL .46 GP 2.58 ZAL 64.78 ZAP 33.23 ETS 186.97 ZAE 134.89 ETE 176.49 ZAC 155.30 ETC 46.39 CLP 33.14

PLANETOCENTRIC CONIC

C3 300.244 VHL 17.328 DLA 12.48 RAL 150.68 RAD 6571.7 VEL 20.532 PTH 3.17 VHP 28.622 DPA 26.87 RAP 105.12 ECC 5.9413
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 41 36 3186.86 -26.26 109.82 60.11 79.02 6 34 43 2586.9 -27.52 101.38
 90.00 20 53 6 5034.78 23.42 221.91 48.42 73.61 22 17 1 4434.8 20.95 214.11
 100.00 7 9 21 2903.84 -27.98 89.38 60.48 79.03 7 57 45 2303.8 -29.21 80.79
 100.00 22 8 2 4793.03 25.09 203.59 47.87 73.20 23 27 55 4193.0 22.55 195.71
 110.00 8 32 3 2645.04 -32.57 70.76 61.51 79.00 9 16 8 2045.0 -33.74 61.72
 110.00 23 1 49 4624.59 29.55 189.24 46.30 71.99 24 18 53 4024.6 26.81 181.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8190 TRA-2.1741 TC3 -.1182 BAU .4748
 RDE-1.2831 RRA -.6293 RC3 .0048 FAU .01153
 FDE -.3303 FRA .7677 FC3 -.0333 BSP 2153
 BOE 1.5222 BRA 2.2633 BC3 .1183 FSP -55

SGT 885.0 SGR 475.1 SG3 26.3
 RRT .0838 RRF -.0759 RTF -.6446
 SGB 1004.4 R23 -.0004 R13 -.6450
 SGI 886.2 SG2 472.8 TMA 3.60

ST 349.7 SR 429.1 SS 332.0
 CRT -.6717 CRS -.7178 CST .9961
 LSA 594.6 MSA 250.6 SSA 14.6
 EL1 508.5 EL2 218.6 ALF 126.47

LAUNCH DATE APR 24 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 9 1967

HELIOCENTRIC CONIC

DISTANCE 140.984

RL 150.44 LAL -0.00 LOL 213.14 VL 16.734 GAL 28.04 AZL 89.76 HCA 40.57 SMA 89.41 ECC .76415 INC .2442 V1 29.617
 RP 108.60 LAP .16 LOP 253.71 VP 30.980 GAP -48.67 AZP 89.81 TAL 170.07 TAP 210.64 RCA 21.09 APO 157.74 V2 34.894
 RC 83.901 GL .22 GP 2.65 ZAL 63.90 ZAP 31.77 ETS 187.26 ZAE 134.99 ETE 175.99 ZAC 153.99 ETC 43.95 CLP 31.67

PLANETOCENTRIC CONIC

C3 275.123 VHL 16.587 DLA 11.80 RAL 151.82 RAD 6571.6 VEL 19.911 PTH 3.13 VHP 27.597 DPA 26.84 RAP 107.03 ECC 5.5278
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 51 51 3153.32 -26.68 107.45 60.17 80.14 6 44 25 2553.3 -27.77 98.96
 90.00 20 51 58 5046.80 23.65 222.72 48.99 73.95 22 16 5 4446.8 21.22 214.89
 100.00 7 19 12 2871.65 -28.38 87.07 60.50 80.19 8 7 3 2271.7 -29.44 78.42
 100.00 22 7 19 4803.70 25.30 204.32 48.46 73.53 23 27 22 4203.7 22.80 196.41
 110.00 8 40 59 2615.70 -32.93 68.54 61.42 80.27 9 24 35 2015.7 -33.92 59.45
 110.00 23 2 0 4632.42 29.72 189.79 46.93 72.27 24 19 13 4032.4 27.01 181.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8301 TRA-2.1922 TC3 -.1257 BAU .4630
 RDE-1.2360 RRA -.6222 RC3 .0059 FAU .01160
 FDE -.3475 FRA .7944 FC3 -.0365 BSP 2291
 BOE 1.4889 BRA 2.2788 BC3 .1259 FSP -60

SGT 924.5 SGR 480.5 SG3 28.3
 RRT .0882 RRF -.0805 RTF -.6620
 SGB 1041.9 R23 -.0007 R13 -.6624
 SGI 925.8 SG2 478.0 TMA 3.58

ST 369.1 SR 432.0 SS 349.6
 CRT -.6720 CRS -.7217 CST .9959
 LSA 615.8 MSA 256.3 SSA 14.8
 EL1 521.1 EL2 226.6 ALF 128.38

LAUNCH DATE APR 24 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 11 1967

HELIOCENTRIC CONIC

DISTANCE 146.590

RL 150.44 LAL -.00 LOL 213.14 VL 17.429 GAL 26.79 AZL 90.04 MCA 43.74 SMA 90.87 ECC .73873 INC .0383 V1 29.617
 RP 108.64 LAP -.03 LOP 256.88 VP 31.348 GAP -46.59 AZP 90.03 TAL 169.19 TAP 212.93 RCA 23.74 APO 157.99 V2 34.883
 RC 81.561 GL -.04 GP 2.72 ZAL 62.26 ZAP 30.33 ETS 187.59 ZAE 135.16 ETE 175.45 ZAC 152.61 ETC 41.73 CLP 30.22

PLANETOCENTRIC CONIC

C3 252.190 VHL 15.880 DLA 11.13 RAL 152.91 RAD 6571.5 VEL 19.326 PTH 3.10 VHP 26.605 DPA 26.79 RAP 108.96 ECC 5.1504
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 1 50 3119.30 -27.05 105.03 60.11 81.29 6 53 49 2519.3 -27.98 96.49
 90.00 20 50 40 5058.11 23.86 223.48 49.48 74.28 22 14 58 4458.1 21.47 215.62
 100.00 7 28 46 2838.93 -28.73 84.70 60.40 81.38 8 16 5 2238.9 -29.63 76.01
 100.00 22 6 25 4813.71 25.49 205.00 48.96 73.84 23 26 38 4213.7 23.03 197.06
 110.00 8 49 40 2585.76 -33.25 66.27 61.19 81.58 9 32 46 1985.8 -34.06 57.12
 110.00 23 2 0 4639.64 29.87 190.30 47.47 72.54 24 19 19 4039.6 27.19 182.13

DIFFERENTIAL CORRECTIONS

TDE .8407 TRA-2.2107 TC3 -.1335 BAU .4506
 RDE-1.1892 RRA -.6139 RC3 .0073 FAU .01167
 FDE -.3651 FRA .8214 FC3 -.0401 BSP 2432
 BOE 1.4563 BRA 2.2943 BC3 .1337 FSP -66

MID-COURSE EXECUTION ACCURACY

SGT 965.6 SGR 485.4 SG3 30.5
 RRT .0929 RRF -.0852 RTF -.6788
 SGB 1080.7 R23 -.0012 R13 -.6792
 SG1 967.0 SG2 482.6 TMA 3.56

ORBIT DETERMINATION ACCURACY

ST 389.4 SR 434.4 SS 367.6
 CRT -.6718 CRS -.7252 CST .9956
 LSA 637.7 MSA 261.7 SSA 15.0
 EL1 534.1 EL2 234.6 ALF 130.37

LAUNCH DATE APR 24 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 13 1967

HELIOCENTRIC CONIC

DISTANCE 152.303

RL 150.44 LAL -.00 LOL 213.14 VL 18.083 GAL 25.62 AZL 90.30 MCA 46.91 SMA 92.34 ECC .71344 INC .2971 V1 29.617
 RP 108.67 LAP -.22 LOP 260.05 VP 31.705 GAP -44.61 AZP 90.20 TAL 168.31 TAP 215.23 RCA 26.46 APO 158.21 V2 34.872
 RC 79.241 GL -.32 GP 2.80 ZAL 61.07 ZAP 28.91 ETS 187.96 ZAE 135.40 ETE 174.87 ZAC 151.19 ETC 39.71 CLP 28.79

PLANETOCENTRIC CONIC

C3 231.234 VHL 15.206 DLA 10.44 RAL 153.94 RAD 6571.3 VEL 18.776 PTH 3.06 VHP 25.645 DPA 26.72 RAP 110.92 ECC 4.8055
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 11 33 3084.73 -27.38 102.56 59.93 82.49 7 2 58 2484.7 -28.14 93.97
 90.00 20 49 10 5068.73 24.05 224.20 49.87 74.59 22 13 39 4468.7 21.70 216.32
 100.00 7 38 5 2805.63 -29.05 82.28 60.17 82.62 8 24 51 2205.6 -29.77 73.54
 100.00 22 5 19 4823.08 25.67 205.64 49.37 74.13 23 25 42 4223.1 23.24 197.68
 110.00 8 58 7 2555.20 -33.53 63.92 60.84 82.94 9 40 42 1955.2 -34.15 54.73
 110.00 23 1 47 4646.26 30.00 190.77 47.91 72.79 24 19 13 4046.3 27.35 182.58

DIFFERENTIAL CORRECTIONS

TDE .8511 TRA-2.2285 TC3 -.1413 BAU .4375
 RDE-1.1425 RRA -.6045 RC3 .0088 FAU .01176
 FDE -.3831 FRA .8489 FC3 -.0440 BSP 2590
 BOE 1.4247 BRA 2.3090 BC3 .1415 FSP -72

MID-COURSE EXECUTION ACCURACY

SGT 1008.2 SGR 489.6 SG3 32.9
 RRT .0978 RRF -.0902 RTF -.6951
 SGB 1120.8 R23 -.0018 R13 -.6955
 SG1 1009.6 SG2 486.5 TMA 3.53

ORBIT DETERMINATION ACCURACY

ST 410.6 SR 436.1 SS 386.2
 CRT -.6717 CRS -.7284 CST .9954
 LSA 660.8 MSA 266.6 SSA 15.2
 EL1 547.9 EL2 242.2 ALF 132.44

LAUNCH DATE APR 24 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 15 1967

HELIOCENTRIC CONIC

DISTANCE 158.120

RL 150.44 LAL -.00 LOL 213.14 VL 18.699 GAL 24.52 AZL 90.53 MCA 50.09 SMA 93.81 ECC .68839 INC .5271 V1 29.617
 RP 108.70 LAP -.40 LOP 263.22 VP 32.050 GAP -42.72 AZP 90.34 TAL 167.44 TAP 217.53 RCA 29.23 APO 158.40 V2 34.862
 RC 76.944 GL -.62 GP 2.89 ZAL 59.93 ZAP 27.51 ETS 188.37 ZAE 135.71 ETE 174.24 ZAC 149.71 ETC 37.86 CLP 27.37

PLANETOCENTRIC CONIC

C3 212.069 VHL 14.563 DLA 9.76 RAL 154.92 RAD 6571.2 VEL 18.259 PTH 3.03 VHP 24.716 DPA 26.63 RAP 112.89 ECC 4.4901
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 21 0 3049.57 -27.67 100.02 59.62 83.73 7 11 50 2449.6 -28.25 91.41
 90.00 20 47 30 5078.70 24.23 224.88 50.16 74.88 22 12 9 4478.7 21.92 216.97
 100.00 7 47 9 2771.72 -29.32 79.79 59.82 83.90 8 33 21 2171.7 -29.86 71.03
 100.00 22 4 2 4831.78 25.83 206.24 49.68 74.41 23 24 34 4231.8 23.44 198.25
 110.00 9 6 19 2523.97 -33.77 61.52 60.36 84.34 9 48 23 1924.0 -34.18 52.30
 110.00 23 1 21 4652.29 30.12 191.20 48.26 73.02 24 18 54 4052.3 27.50 182.98

DIFFERENTIAL CORRECTIONS

TDE .8580 TRA-2.2491 TC3 -.1497 BAU .4255
 RDE-1.0963 RRA -.5942 RC3 .0106 FAU .01185
 FDE -.4012 FRA .8773 FC3 -.0484 BSP 2681
 BOE 1.3921 BRA 2.3263 BC3 .1501 FSP -78

MID-COURSE EXECUTION ACCURACY

SGT 1053.7 SGR 493.2 SG3 35.4
 RRT .1038 RRF -.0959 RTF -.7104
 SGB 1163.4 R23 -.0018 R13 -.7107
 SG1 1055.3 SG2 489.8 TMA 3.55

ORBIT DETERMINATION ACCURACY

ST 432.1 SR 437.2 SS 405.0
 CRT -.6694 CRS -.7309 CST .9949
 LSA 684.0 MSA 271.4 SSA 15.4
 EL1 561.6 EL2 249.9 ALF 134.50

LAUNCH DATE APR 24 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 17 1967

HELIOCENTRIC CONIC

DISTANCE 164.031

RL 150.44 LAL -.00 LOL 213.14 VL 19.279 GAL 23.48 AZL 90.74 MCA 53.26 SMA 95.30 ECC .66369 INC .7366 V1 29.617
 RP 108.73 LAP -.59 LOP 266.39 VP 32.381 GAP -40.93 AZP 90.44 TAL 166.58 TAP 219.84 RCA 32.05 APO 158.55 V2 34.853
 RC 74.673 GL -.93 GP 2.98 ZAL 58.84 ZAP 26.14 ETS 188.85 ZAE 136.10 ETE 173.56 ZAC 148.19 ETC 36.18 CLP 25.98

PLANETOCENTRIC CONIC

C3 194.534 VHL 13.948 DLA 9.06 RAL 155.84 RAD 6571.1 VEL 17.772 PTH 2.99 VHP 23.815 DPA 26.52 RAP 114.88 ECC 4.2015
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 30 13 3013.78 -27.91 97.43 59.18 85.01 7 20 27 2413.8 -28.31 88.79
 90.00 20 45 38 5088.03 24.39 225.51 50.37 75.16 22 10 26 4488.0 22.12 217.58
 100.00 7 55 59 2737.16 -29.54 77.25 59.34 85.22 8 41 36 2137.2 -29.89 68.46
 100.00 22 2 33 4839.88 25.98 206.79 49.90 74.66 23 23 13 4239.9 23.62 198.79
 110.00 9 14 18 2492.05 -33.95 59.04 59.75 85.80 9 55 50 1892.1 -34.16 48.80
 110.00 23 0 43 4657.75 30.23 191.59 48.51 73.22 24 18 20 4057.7 27.64 183.35

DIFFERENTIAL CORRECTIONS

TDE .8561 TRA-2.2774 TC3 -.1600 BAU .4175
 RDE-1.0506 RRA -.5833 RC3 .0126 FAU .01191
 FDE -.4187 FRA .9073 FC3 -.0530 BSP 2582
 BOE 1.3552 BRA 2.3509 BC3 .1605 FSP -82

MID-COURSE EXECUTION ACCURACY

SGT 1104.8 SGR 496.3 SG3 38.0
 RRT .1139 RRF -.1031 RTF -.7236
 SGB 1211.1 R23 -.0003 R13 -.7239
 SG1 1106.6 SG2 492.3 TMA 3.65

ORBIT DETERMINATION ACCURACY

ST 452.4 SR 437.7 SS 423.8
 CRT -.6622 CRS -.7319 CST .9940
 LSA 706.3 MSA 277.0 SSA 15.7
 EL1 573.9 EL2 258.5 ALF 136.43

LAUNCH DATE APR 24 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 19 1967

HELIOCENTRIC CONIC

DISTANCE 170.017

RL 150.44 LAL -0.00 LOL 213.14 VL 19.825 GAL 22.49 AZL 90.93 MCA 56.42 SMA 96.78 ECC .63935 INC .9296 VI 29.617
 RP 108.76 LAP -0.77 LOP 269.56 VP 32.699 GAP -39.21 AZP 90.51 TAL 165.74 TAP 222.17 RCA 34.90 APO 158.66 V2 34.844
 RC 72.433 GL -1.27 GP 3.08 ZAL 57.80 ZAP 24.78 ETS 189.39 ZAE 136.57 ETE 172.82 ZAC 146.63 ETC 34.64 CLP 24.60

PLANETOCENTRIC CONIC

C3 178.413 VML 13.357 OLA 8.37 RAL 156.69 RAD 6570.9 VEL 17.313 PTM 2.95 VMP 22.940 DPA 26.39 RAP 116.87 ECC 3.9362
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 39 9 2977.32 -28.10 94.78 58.62 86.33 7 28 46 2377.3 -28.31 86.12
 90.00 20 43 32 5096.62 24.54 226.10 50.47 75.41 22 8 29 4496.6 22.30 218.14
 100.00 8 4 33 2701.90 -29.71 74.64 58.74 86.59 8 49 34 2101.9 -29.87 65.84
 100.00 22 0 50 4847.28 26.11 207.30 50.01 74.90 23 21 37 4247.3 23.78 199.28
 110.00 9 22 2 2459.41 -34.09 56.50 59.01 87.29 10 3 1 1859.4 -34.09 47.26
 110.00 22 59 50 4662.53 30.32 191.93 48.65 73.41 24 17 32 4062.5 27.75 183.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9958 TRA-2.1617 TC3 -.1388 BAU .3332 SGT 1094.7 SGR 497.1 SG3 41.0 ST 511.5 SR 436.0 SS 454.2
 RDE -1.0018 RRA -.5683 RC3 .0155 FAU .01286 RRT .0588 RRF -.0896 RTF -.7614 CRT -.7299 CRS -.7520 CST .9985
 FDE -.4556 FRA .9193 FC3 -.0624 BSP 5906 SGB 1202.3 R23 -.0333 R13 -.7620 LSA 767.8 MSA 261.5 SSA 14.8
 BDE 1.4125 BRA 2.2352 BC3 .1397 FSP -126 SGI 1095.2 SG2 496.0 TMA 1.93 EL1 626.5 EL2 243.3 ALF 141.20

LAUNCH DATE APR 24 1967

FLIGHT TIME 88.00

ARRIVAL DATE JUL 21 1967

HELIOCENTRIC CONIC

DISTANCE 176.106

RL 150.44 LAL -0.00 LOL 213.14 VL 20.339 GAL 21.56 AZL 91.11 MCA 59.59 SMA 98.26 ECC .61561 INC 1.1083 VI 29.617
 RP 108.79 LAP -.96 LOP 272.73 VP 33.005 GAP -37.57 AZP 90.56 TAL 164.91 TAP 224.50 RCA 37.77 APO 158.75 V2 34.835
 RC 70.227 GL -1.64 GP 3.19 ZAL 56.80 ZAP 23.44 ETS 190.02 ZAE 137.12 ETE 172.01 ZAC 145.03 ETC 33.23 CLP 23.24

PLANETOCENTRIC CONIC

C3 163.751 VML 12.797 OLA 7.66 RAL 157.51 RAD 6570.8 VEL 16.884 PTM 2.91 VMP 22.095 DPA 26.25 RAP 118.89 ECC 3.6949
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 47 58 2940.12 -28.23 92.07 57.95 87.68 7 36 56 2340.1 -28.25 83.40
 90.00 20 41 14 5104.88 24.68 226.66 50.49 75.66 22 6 19 4504.9 22.47 218.69
 100.00 8 12 58 2665.89 -29.83 71.97 58.02 87.99 8 57 24 2065.9 -29.79 63.16
 100.00 21 58 54 4854.35 26.23 207.79 50.04 75.13 23 19 48 4254.3 23.93 199.75
 110.00 9 29 37 2426.00 -34.17 53.90 58.17 88.83 10 10 3 1826.0 -33.95 44.66
 110.00 22 58 44 4667.00 30.41 192.25 48.71 73.58 24 16 31 4067.0 27.86 183.98

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8995 TRA-2.2025 TC3 -.1700 BAU .3742 SGT 1189.5 SGR 500.0 SG3 44.1 ST 508.0 SR 436.0 SS 466.9
 RDE -.9591 RRA -.5580 RC3 .0176 FAU .01238 RRT .1134 RRF -.1113 RTF -.7566 CRT -.6752 CRS -.7401 CST .9947
 FDE -.4619 FRA .9629 FC3 -.0655 BSP 3573 SGB 1290.3 R23 -.0075 R13 -.7570 LSA 766.8 MSA 279.3 SSA 15.8
 BDE 1.3149 BRA 2.3498 BC3 .1709 FSP -106 SGI 1191.1 SG2 496.1 TMA 3.30 EL1 614.4 EL2 265.9 ALF 141.40

LAUNCH DATE APR 24 1967

FLIGHT TIME 90.00

ARRIVAL DATE JUL 23 1967

HELIOCENTRIC CONIC

DISTANCE 182.264

RL 150.44 LAL -0.00 LOL 213.14 VL 20.823 GAL 20.66 AZL 91.28 MCA 62.76 SMA 99.73 ECC .59236 INC 1.2759 VI 29.617
 RP 108.81 LAP -1.13 LOP 275.89 VP 33.297 GAP -36.00 AZP 90.58 TAL 164.10 TAP 226.86 RCA 40.65 APO 158.81 V2 34.827
 RC 68.060 GL -2.03 GP 3.31 ZAL 55.85 ZAP 22.12 ETS 190.74 ZAE 137.76 ETE 171.12 ZAC 143.39 ETC 31.94 CLP 21.89

PLANETOCENTRIC CONIC

C3 150.275 VML 12.259 OLA 6.94 RAL 158.26 RAD 6570.6 VEL 16.480 PTM 2.87 VMP 21.274 DPA 26.08 RAP 120.91 ECC 3.4731
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 56 29 2902.17 -28.30 89.29 57.16 89.07 7 44 51 2302.2 -28.13 80.63
 90.00 20 38 42 5112.54 24.81 227.18 50.41 75.90 22 3 55 4512.5 22.63 219.19
 100.00 8 21 8 2629.11 -29.89 69.24 57.19 89.42 9 4 57 2029.1 -29.65 60.44
 100.00 21 56 44 4860.83 26.35 208.24 49.97 75.34 23 17 44 4260.8 24.07 200.18
 110.00 9 36 58 2391.81 -34.18 51.23 57.19 90.42 10 16 50 1791.8 -33.75 42.01
 110.00 22 57 23 4670.89 30.48 192.52 48.67 73.73 24 15 14 4070.9 27.95 184.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9074 TRA-2.2967 TC3 -.1775 BAU .3589 SGT 1240.4 SGR 501.0 SG3 47.4 ST 534.1 SR 434.2 SS 488.6
 RDE -.9144 RRA -.5448 RC3 .0205 FAU .01257 RRT .1195 RRF -.1181 RTF -.7700 CRT -.6739 CRS -.7420 CST .9943
 FDE -.4829 FRA .9934 FC3 -.0724 BSP 3765 SGB 1337.8 R23 -.0086 R13 -.7704 LSA 795.6 MSA 281.5 SSA 15.9
 BDE 1.2882 BRA 2.3605 BC3 .1787 FSP -115 SGI 1242.1 SG2 496.7 TMA 3.29 EL1 632.9 EL2 270.8 ALF 143.60

LAUNCH DATE APR 24 1967

FLIGHT TIME 92.00

ARRIVAL DATE JUL 25 1967

HELIOCENTRIC CONIC

DISTANCE 188.492

RL 150.44 LAL -0.00 LOL 213.14 VL 21.278 GAL 19.81 AZL 91.43 MCA 65.92 SMA 101.19 ECC .56973 INC 1.4342 VI 29.617
 RP 108.83 LAP -1.31 LOP 279.06 VP 33.576 GAP -34.49 AZP 90.59 TAL 163.31 TAP 229.23 RCA 43.54 APO 158.84 V2 34.820
 RC 65.936 GL -2.45 GP 3.44 ZAL 54.95 ZAP 20.82 ETS 191.59 ZAE 138.49 ETE 170.14 ZAC 141.73 ETC 30.76 CLP 20.55

PLANETOCENTRIC CONIC

C3 137.931 VML 11.744 OLA 6.22 RAL 158.96 RAD 6570.5 VEL 16.102 PTM 2.83 VMP 20.478 DPA 25.90 RAP 122.93 ECC 3.2700
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 4 50 2863.41 -28.31 86.46 56.26 90.49 7 52 33 2263.4 -27.94 77.81
 90.00 20 35 55 5119.77 24.93 227.68 50.23 76.12 22 1 14 4519.8 22.78 219.67
 100.00 8 29 7 2591.53 -29.88 66.44 56.24 90.90 9 12 19 1991.5 -29.44 57.66
 100.00 21 54 18 4866.88 26.45 208.66 49.81 75.54 23 15 25 4266.9 24.20 200.58
 110.00 9 44 7 2356.80 -34.13 48.49 56.11 92.03 10 23 24 1756.8 -33.47 39.31
 110.00 22 55 47 4674.37 30.55 192.77 48.53 73.86 24 13 42 4074.4 28.04 184.48

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9079 TRA-2.3166 TC3 -.1867 BAU .3471 SGT 1296.5 SGR 501.3 SG3 51.0 ST 559.2 SR 431.7 SS 510.4
 RDE -.8703 RRA -.5312 RC3 .0238 FAU .01274 RRT .1289 RRF -.1263 RTF -.7816 CRT -.6686 CRS -.7428 CST .9936
 FDE -.5037 FRA 1.0258 FC3 -.0800 BSP 3800 SGB 1390.1 R23 -.0083 R13 -.7820 LSA 823.7 MSA 284.3 SSA 16.1
 BDE 1.2577 BRA 2.3767 BC3 .1882 FSP -123 SGI 1298.4 SG2 496.4 TMA 3.34 EL1 650.3 EL2 276.1 ALF 145.68

LAUNCH DATE APR 24 1967

FLIGHT TIME 94.00

ARRIVAL DATE JUL 27 1967

HELIOCENTRIC CONIC

DISTANCE 194.786

RL 150.44 LAL -.00 LOL 213.14 VL 21.706 GAL 18.99 AZL 91.58 MCA 69.09 SMA 102.63 ECC .54772 INC 1.5847 V1 29.617
 RP 108.85 LAP -1.48 LOP 282.22 VP 33.842 GAP -33.05 AZP 90.57 TAL 162.54 TAP 231.63 RCA 46.42 APO 158.84 V2 34.813
 RC 63.861 GL -2.89 GP 3.59 ZAL 54.10 ZAP 19.54 ETS 192.58 ZAE 139.31 ETE 169.06 ZAC 140.04 ETC 29.68 CLP 19.22

PLANETOCENTRIC CONIC

C3 126.620 VHL 11.253 DLA 5.48 RAL 159.60 RAD 6570.3 VEL 15.747 PTH 2.79 VHP 19.705 DPA 25.71 RAP 124.97 ECC 3.0838
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 13 0 2823.81 -28.26 83.56 55.25 91.94 8 0 3 2223.8 -27.69 74.94
 90.00 20 32 51 5126.63 25.04 228.15 49.97 76.33 21 58 18 4526.6 22.91 220.13
 100.00 8 36 55 2553.10 -29.81 63.59 55.18 92.40 9 19 29 1953.1 -29.15 54.84
 100.00 21 51 36 4872.57 26.55 209.06 49.55 75.73 23 12 49 4272.6 24.32 200.96
 110.00 9 51 6 2320.96 -34.01 45.70 54.92 93.68 10 29 47 1721.0 -33.12 36.57
 110.00 22 53 55 4677.48 30.61 193.00 48.30 73.98 24 11 53 4077.5 28.11 184.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9464 TRA-2.3266 TC3 -.1933 BAV .3306 SGT 1350.3 SGR 500.9 SG3 55.0 ST 587.7 SR 428.3 SS 533.8
 RDE -.8266 RRA -.5171 RC3 .0273 FAU .01299 RRT .1352 RRF -.1339 RTF -.7941 CRT -.6677 CRS -.7444 CST .9932
 FDE -.5266 FRA 1.0579 FC3 -.0888 BAP 4038 SGB 1440.2 R23 -.0099 R13 -.7945 LSA 855.6 MSA 285.1 SSA 16.3
 BDE 1.2341 BRA 2.3834 BC3 .1953 FSP -135 SG1 1352.3 SG2 495.6 THA 3.32 EL1 671.5 EL2 279.0 ALF 147.86

LAUNCH DATE APR 24 1967

FLIGHT TIME 96.00

ARRIVAL DATE JUL 29 1967

HELIOCENTRIC CONIC

DISTANCE 201.141

RL 150.44 LAL -.00 LOL 213.14 VL 22.109 GAL 18.21 AZL 91.73 MCA 72.25 SMA 104.05 ECC .52638 INC 1.7290 V1 29.617
 RP 108.87 LAP -1.65 LOP 285.38 VP 34.096 GAP -31.66 AZP 90.53 TAL 161.79 TAP 234.04 RCA 49.28 APO 158.82 V2 34.807
 RC 61.839 GL -3.37 GP 3.74 ZAL 53.30 ZAP 18.27 ETS 193.75 ZAE 140.22 ETE 167.86 ZAC 138.33 ETC 28.68 CLP 17.90

PLANETOCENTRIC CONIC

C3 116.261 VHL 10.782 DLA 4.73 RAL 160.18 RAD 6570.2 VEL 15.414 PTH 2.75 VHP 18.955 DPA 25.50 RAP 127.00 ECC 2.9134
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 20 59 2783.33 -28.13 80.61 54.13 93.42 8 7 23 2183.3 -27.36 72.03
 90.00 20 29 30 5133.22 25.15 228.61 49.61 76.53 21 55 3 4533.2 23.04 220.57
 100.00 8 44 33 2513.79 -29.66 60.67 54.02 93.92 9 26 27 1913.8 -28.80 51.98
 100.00 21 48 37 4877.99 26.64 209.43 49.20 75.90 23 9 55 4278.0 24.43 201.32
 110.00 9 57 54 2284.25 -33.81 42.85 53.62 95.36 10 35 58 1684.2 -32.70 33.79
 110.00 22 51 46 4680.30 30.66 193.20 47.98 74.09 24 9 46 4080.3 28.18 184.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9211 TRA-2.3303 TC3 -.2004 BAV .3154 SGT 1407.4 SGR 499.9 SG3 59.2 ST 616.2 SR 424.0 SS 557.8
 RDE -.7835 RRA -.5028 RC3 .0317 FAU .01324 RRT .1435 RRF -.1427 RTF -.8056 CRT -.6649 CRS -.7455 CST .9927
 FDE -.5302 FRA 1.0915 FC3 -.0986 BAP 4211 SGB 1493.6 R23 -.0110 R13 -.8059 LSA 888.0 MSA 285.8 SSA 16.4
 BDE 1.2092 BRA 2.3918 BC3 .2029 FSP -146 SG1 1409.5 SG2 494.0 THA 3.33 EL1 692.9 EL2 281.6 ALF 149.95

LAUNCH DATE APR 24 1967

FLIGHT TIME 98.00

ARRIVAL DATE JUL 31 1967

HELIOCENTRIC CONIC

DISTANCE 207.551

RL 150.44 LAL -.00 LOL 213.14 VL 22.488 GAL 17.46 AZL 91.87 MCA 75.41 SMA 105.45 ECC .50574 INC 1.8682 V1 29.617
 RP 108.89 LAP -1.81 LOP 288.54 VP 34.337 GAP -30.33 AZP 90.47 TAL 161.06 TAP 236.48 RCA 52.12 APO 158.77 V2 34.802
 RC 59.876 GL -3.88 GP 3.91 ZAL 52.55 ZAP 17.02 ETS 195.14 ZAE 141.22 ETE 166.52 ZAC 136.59 ETC 27.76 CLP 16.58

PLANETOCENTRIC CONIC

C3 106.775 VHL 10.333 DLA 3.97 RAL 160.71 RAD 6570.0 VEL 15.103 PTH 2.72 VHP 18.228 DPA 25.29 RAP 129.04 ECC 2.7572
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 28 50 2741.95 -27.92 77.60 52.91 94.91 8 14 32 2141.9 -26.95 69.07
 90.00 20 25 51 5139.64 25.25 229.05 49.17 76.73 21 51 31 4539.6 23.17 220.99
 100.00 8 52 2 2473.59 -29.43 57.71 52.75 95.47 9 33 16 1873.6 -28.36 49.07
 100.00 21 45 20 4883.23 26.72 209.80 48.77 76.08 23 6 43 4283.2 24.54 201.68
 110.00 10 4 32 2246.66 -33.53 39.95 52.23 97.05 10 41 59 1646.7 -32.20 30.97
 110.00 22 49 19 4682.93 30.71 193.39 47.56 74.19 24 7 22 4082.9 28.24 185.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9275 TRA-2.3464 TC3 -.2064 BAV .2992 SGT 1465.4 SGR 498.1 SG3 63.8 ST 646.3 SR 418.8 SS 583.0
 RDE -.7409 RRA -.4884 RC3 .0364 FAU .01354 RRT .1516 RRF -.1520 RTF -.8167 CRT -.6629 CRS -.7465 CST .9923
 FDE -.5752 FRA 1.1259 FC3 -.1098 BAP 4433 SGB 1547.7 R23 -.0127 R13 -.8171 LSA 922.6 MSA 285.5 SSA 16.5
 BDE 1.1871 BRA 2.3967 BC3 .2096 FSP -159 SG1 1467.6 SG2 491.6 THA 3.32 EL1 716.3 EL2 282.9 ALF 152.01

LAUNCH DATE APR 24 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 2 1967

HELIOCENTRIC CONIC

DISTANCE 214.012

RL 150.44 LAL -.00 LOL 213.14 VL 22.844 GAL 16.75 AZL 92.00 MCA 78.57 SMA 106.82 ECC .48580 INC 2.0035 V1 29.617
 RP 108.90 LAP -1.96 LOP 291.71 VP 34.567 GAP -29.05 AZP 90.40 TAL 160.37 TAP 238.94 RCA 54.92 APO 158.71 V2 34.797
 RC 57.979 GL -4.43 GP 4.09 ZAL 51.86 ZAP 15.80 ETS 196.82 ZAE 142.32 ETE 165.02 ZAC 134.84 ETC 26.92 CLP 15.27

PLANETOCENTRIC CONIC

C3 98.093 VHL 9.804 DLA 3.19 RAL 161.17 RAD 6569.9 VEL 14.813 PTH 2.68 VHP 17.523 DPA 25.06 RAP 131.08 ECC 2.6144
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 36 32 2699.62 -27.64 74.53 51.60 96.42 8 21 32 2099.6 -26.46 66.07
 90.00 20 21 52 5146.01 25.35 229.49 48.63 76.93 21 47 38 4546.0 23.30 221.42
 100.00 8 59 22 2432.45 -29.13 54.69 51.40 97.03 9 39 54 1832.5 -27.85 46.12
 100.00 21 41 43 4888.41 26.81 210.16 48.25 76.25 23 3 12 4288.4 24.65 202.02
 110.00 10 11 1 2208.17 -33.17 37.00 50.75 98.76 10 47 50 1608.2 -31.61 28.13
 110.00 22 46 33 4685.46 30.76 193.57 47.06 74.29 24 4 39 4085.5 28.30 185.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9336 TRA-2.3527 TC3 -.2116 BAV .2828 SGT 1524.9 SGR 495.7 SG3 68.7 ST 677.6 SR 412.7 SS 609.3
 RDE -.6990 RRA -.4759 RC3 .0416 FAU .01387 RRT .1605 RRF -.1623 RTF -.8274 CRT -.6607 CRS -.7472 CST .9918
 FDE -.6017 FRA 1.1815 FC3 -.1224 BAP 4663 SGB 1603.5 R23 -.0145 R13 -.8278 LSA 958.8 MSA 284.6 SSA 16.6
 BDE 1.1663 BRA 2.3999 BC3 .2156 FSP -174 SG1 1527.3 SG2 488.5 THA 3.33 EL1 741.1 EL2 283.2 ALF 154.01

LAUNCH DATE APR 24 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 4 1967

HELIOCENTRIC CONIC

DISTANCE 220.518

RL 150.44 LAL -0.00 LOL 213.14 VL 23.179 GAL 16.06 AZL 92.14 MCA 81.73 SMA 108.16 ECC .46659 INC 2.1357 V1 29.617
 RP 108.92 LAP -2.11 LOP 294.87 VP 34.785 GAP -27.81 AZP 90.31 TAL 159.69 TAP 241.43 RCA 57.69 APO 158.62 V2 34.793
 RC 56.154 GL -5.02 GP 4.30 ZAL 51.22 ZAP 14.60 ETS 198.85 ZAE 143.51 ETE 163.33 ZAC 133.07 ETC 26.13 CLP 13.96

PLANETOCENTRIC CONIC

C3 90.152 VHL 9.495 DLA 2.39 RAL 161.58 RAD 6569.8 VEL 14.543 PTH 2.64 VHP 16.839 DPA 24.83 RAP 133.11 ECC 2.4837
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 44 7 2656.32 -27.27 71.42 50.21 97.94 8 28 24 2056.3 -25.89 63.02
 90.00 20 17 32 5152.48 25.44 229.94 48.02 77.14 21 43 24 4552.5 23.42 221.85
 100.00 9 6 35 2390.37 -28.74 51.62 49.96 98.60 9 46 23 1790.4 -27.25 43.13
 100.00 21 37 46 4893.66 26.89 210.53 47.64 76.43 22 59 19 4293.7 24.76 202.38
 110.00 10 17 22 2168.78 -32.73 34.02 49.19 100.47 10 53 31 1568.8 -30.94 25.26
 110.00 22 43 27 4688.01 30.80 193.76 46.48 74.39 24 1 35 4088.0 28.36 185.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9368 TRA-2.3597 TC3 -.2170 BAU .2677
 RDE -.6577 RRA -.4595 RC3 .0474 FAU .01421
 FDE -.6293 FRA 1.1990 FC3 -.1364 BSP 4837
 BDE 1.1447 BRA 2.4040 BC3 .2221 FSP -189

SGT 1587.6 SGR 492.6 SG3 74.1
 RRT .1714 RRF -.1745 RTF -.8371
 SGB 1662.3 R23 -.0161 R13 -.8375
 SGI 1590.1 SG2 484.5 TMA 3.36

ST 708.9 SR 405.5 SS 636.6
 CRT -.6568 CRS -.7473 CST .9912
 LSA 995.8 MSA 283.5 SSA 16.7
 EL1 766.1 EL2 283.0 ALF 155.92

LAUNCH DATE APR 24 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 6 1967

HELIOCENTRIC CONIC

DISTANCE 227.066

RL 150.44 LAL -0.00 LOL 213.14 VL 23.493 GAL 15.40 AZL 92.27 MCA 84.89 SMA 109.47 ECC .44810 INC 2.2658 V1 29.617
 RP 108.93 LAP -2.26 LOP 298.03 VP 34.992 GAP -26.62 AZP 90.20 TAL 159.05 TAP 243.94 RCA 60.41 APO 158.52 V2 34.790
 RC 54.407 GL -5.64 GP 4.52 ZAL 50.64 ZAP 13.43 ETS 201.32 ZAE 144.79 ETE 161.41 ZAC 131.29 ETC 25.41 CLP 12.66

PLANETOCENTRIC CONIC

C3 82.892 VHL 9.105 DLA 1.56 RAL 161.93 RAD 6569.6 VEL 14.291 PTH 2.60 VHP 16.175 DPA 24.59 RAP 135.15 ECC 2.3642
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 51 36 2612.03 -26.81 68.26 48.74 99.47 8 35 8 2012.0 -25.23 59.95
 90.00 20 12 48 5159.17 25.55 230.40 47.33 77.35 21 38 48 4559.2 23.55 222.30
 100.00 9 13 40 2347.30 -28.26 48.51 48.45 100.17 9 52 48 1747.3 -26.57 40.12
 100.00 21 33 25 4899.12 26.98 210.91 46.96 76.61 22 55 4 4299.1 24.87 202.75
 110.00 10 23 35 2128.47 -32.19 31.00 47.55 102.19 10 59 4 1528.5 -30.17 22.36
 110.00 22 40 0 4690.72 30.85 193.95 45.82 74.50 23 58 11 4090.7 28.42 185.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9423 TRA-2.3621 TC3 -.2203 BAU .2513
 RDE -.6170 RRA -.4453 RC3 .0539 FAU .01461
 FDE -.6591 FRA 1.2375 FC3 -.1525 BSP 5073
 BDE 1.1263 BRA 2.4037 BC3 .2268 FSP -206

SGT 1650.5 SGR 488.9 SG3 79.9
 RRT .1826 RRF -.1870 RTF -.8467
 SGB 1721.3 R23 -.0185 R13 -.8472
 SGI 1653.1 SG2 479.9 TMA 3.38

ST 742.2 SR 397.3 SS 665.5
 CRT -.6538 CRS -.7473 CST .9908
 LSA 1035.4 MSA 281.3 SSA 16.8
 EL1 793.5 EL2 281.2 ALF 157.77

LAUNCH DATE APR 24 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 8 1967

HELIOCENTRIC CONIC

DISTANCE 233.650

RL 150.44 LAL -0.00 LOL 213.14 VL 23.789 GAL 14.77 AZL 92.39 MCA 88.05 SMA 110.74 ECC .43034 INC 2.3946 V1 29.617
 RP 108.93 LAP -2.39 LOP 301.19 VP 35.188 GAP -25.47 AZP 90.08 TAL 158.44 TAP 246.49 RCA 63.08 APO 158.40 V2 34.787
 RC 52.748 GL -6.32 GP 4.76 ZAL 50.11 ZAP 12.30 ETS 204.38 ZAE 146.16 ETE 159.23 ZAC 129.49 ETC 24.75 CLP 11.35

PLANETOCENTRIC CONIC

C3 76.262 VHL 8.733 DLA .72 RAL 162.21 RAD 6569.5 VEL 14.057 PTH 2.56 VHP 15.531 DPA 24.35 RAP 137.18 ECC 2.2551
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 59 0 2566.70 -26.26 65.05 47.20 100.98 8 41 47 1966.7 -24.48 56.84
 90.00 20 7 40 5166.26 25.65 230.90 46.56 77.57 21 33 47 4566.3 23.68 222.78
 100.00 9 20 41 2303.25 -27.69 45.36 46.88 101.73 9 59 4 1703.2 -25.79 37.07
 100.00 21 28 41 4904.95 27.07 211.32 46.20 76.81 22 50 26 4305.0 24.98 203.14
 110.00 10 29 42 2087.24 -31.55 27.95 45.86 103.89 11 4 29 1487.2 -29.32 19.45
 110.00 22 36 10 4693.72 30.91 194.17 45.09 74.61 23 54 23 4093.7 28.49 185.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9475 TRA-2.3630 TC3 -.2225 BAU .2352
 RDE -.5769 RRA -.4315 RC3 .0610 FAU .01504
 FDE -.6910 FRA 1.2778 FC3 -.1707 BSP 5311
 BDE 1.1094 BRA 2.4021 BC3 .2307 FSP -224

SGT 1715.1 SGR 484.5 SG3 86.3
 RRT .1952 RRF -.2015 RTF -.8559
 SGB 1782.2 R23 -.0210 R13 -.8563
 SGI 1717.9 SG2 474.4 TMA 3.42

ST 776.5 SR 387.9 SS 695.9
 CRT -.6501 CRS -.7467 CST .9903
 LSA 1077.0 MSA 278.5 SSA 16.9
 EL1 822.2 EL2 278.4 ALF 159.56

LAUNCH DATE APR 24 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 10 1967

HELIOCENTRIC CONIC

DISTANCE 240.267

RL 150.44 LAL -0.00 LOL 213.14 VL 24.066 GAL 14.17 AZL 92.52 MCA 91.21 SMA 111.98 ECC .41332 INC 2.5229 V1 29.617
 RP 108.94 LAP -2.52 LOP 304.35 VP 35.374 GAP -24.37 AZP 89.95 TAL 157.85 TAP 249.06 RCA 65.70 APO 158.26 V2 34.786
 RC 51.183 GL -7.04 GP 5.03 ZAL 49.65 ZAP 11.22 ETS 208.17 ZAE 147.60 ETE 156.71 ZAC 127.69 ETC 24.13 CLP 10.04

PLANETOCENTRIC CONIC

C3 70.211 VHL 8.379 DLA -.15 RAL 162.43 RAD 6569.4 VEL 13.841 PTH 2.53 VHP 14.907 DPA 24.12 RAP 139.21 ECC 2.1555
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 6 21 2520.33 -25.62 61.81 45.60 102.49 8 48 21 1920.3 -23.65 53.70
 90.00 20 2 5 5173.94 25.76 231.43 45.73 77.82 21 28 19 4573.9 23.83 223.30
 100.00 9 27 37 2258.18 -27.03 42.17 45.24 103.29 10 5 15 1658.2 -24.93 34.00
 100.00 21 23 30 4911.33 27.17 211.77 45.38 77.02 22 45 22 4311.3 25.11 203.57
 110.00 10 35 42 2045.08 -30.82 24.88 44.13 105.57 11 9 47 1445.1 -28.38 16.53
 110.00 22 31 55 4697.20 30.97 194.42 44.29 74.75 23 50 12 4097.2 28.57 186.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9528 TRA-2.3617 TC3 -.2231 BAU .2192
 RDE -.5374 RRA -.4181 RC3 .0689 FAU .01552
 FDE -.7253 FRA 1.3200 FC3 -.1913 BSP 5549
 BDE 1.0939 BRA 2.3984 BC3 .2335 FSP -244

SGT 1781.0 SGR 479.7 SG3 93.2
 RRT .2096 RRF -.2180 RTF -.8645
 SGB 1844.5 R23 -.0239 R13 -.8650
 SGI 1784.1 SG2 468.2 TMA 3.47

ST 812.0 SR 377.4 SS 727.9
 CRT -.6459 CRS -.7453 CST .9898
 LSA 1120.6 MSA 275.0 SSA 17.0
 EL1 852.3 EL2 274.5 ALF 161.28

LAUNCH DATE APR 24 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 246.912

RL 150.44 LAL -.00 LOL 213.14 VL 24.326 GAL 13.59 AZL 92.65 MCA 94.37 SMA 113.18 ECC .39702 INC 2.6515 V1 29.617
 RP 108.94 LAP -2.64 LOP 307.52 VP 35.550 GAP -23.30 AZP 89.80 TAL 157.30 TAP 251.67 RCA 68.25 APO 158.12 V2 34.784
 RC 49.723 GL -7.82 GP 5.33 ZAL 49.25 ZAP 10.21 ETS 212.91 ZAE 149.10 ETE 153.80 ZAC 125.87 ETC 23.56 CLP 8.72

PLANETOCENTRIC CONIC

C3 64.697 VML 8.043 DLA -1.06 RAL 162.58 RAD 6569.2 VEL 13.640 PTH 2.49 VMP 14.302 DPA 23.89 RAP 141.23 ECC 2.0648
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 13 39 2472.87 -24.88 58.53 43.95 103.97 8 54 52 1872.9 -22.72 50.53
 90.00 19 56 1 5182.42 25.88 232.02 44.84 78.09 21 22 24 4582.4 23.98 223.87
 100.00 9 34 30 2212.07 -26.26 38.96 43.56 104.81 10 11 22 1612.1 -23.97 30.91
 100.00 21 17 51 4918.45 27.27 212.27 44.50 77.27 22 39 50 4318.5 25.25 204.06
 110.00 10 41 37 2001.97 -30.00 21.80 42.35 107.22 11 14 59 1402.0 -27.35 13.61
 110.00 22 27 14 4701.31 31.04 194.72 43.43 74.91 23 45 35 4101.3 28.66 186.33

DIFFERENTIAL CORRECTIONS

TDE .9582 TRA-2.3582 TC3 -.2219 BAU .2033
 RDE -.4984 RRA -.4053 RC3 .0776 FAU .01604
 FDE -.7624 FRA 1.3641 FC3 -.2147 BSP 5794
 BDE 1.0801 BRA 2.3927 BC3 .2351 FSP -267

MID-COURSE EXECUTION ACCURACY

SGT 1848.2 SGR 474.4 SG3 100.7
 RRT .2261 RRF -.2368 RTF -.8727
 SGB 1908.1 R23 -.0271 R13 -.8732
 SGI 1851.6 SG2 461.3 TMA 3.54

ORBIT DETERMINATION ACCURACY

ST 848.6 SR 365.5 SS 761.8
 CRT -.6408 CRS -.7435 CST .9893
 LSA 1166.3 MSA 270.9 SSA 17.0
 EL1 883.8 EL2 269.4 ALF 162.94

LAUNCH DATE APR 24 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 253.582

RL 150.44 LAL -.00 LOL 213.14 VL 24.569 GAL 13.04 AZL 92.78 MCA 97.53 SMA 114.34 ECC .38144 INC 2.7811 V1 29.617
 RP 108.94 LAP -2.76 LOP 310.68 VP 35.717 GAP -22.27 AZP 89.64 TAL 156.78 TAP 254.31 RCA 70.73 APO 157.96 V2 34.784
 RC 48.377 GL -8.65 GP 5.66 ZAL 48.92 ZAP 9.31 ETS 218.84 ZAE 150.63 ETE 150.42 ZAC 124.05 ETC 23.03 CLP 7.40

PLANETOCENTRIC CONIC

C3 59.678 VML 7.725 DLA -1.99 RAL 162.67 RAD 6569.1 VEL 13.455 PTH 2.46 VMP 13.716 DPA 23.67 RAP 143.25 ECC 1.9822
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 20 57 2424.29 -24.04 55.22 42.27 105.43 9 1 22 1824.3 -21.69 47.33
 90.00 19 49 26 5191.91 26.01 232.69 43.89 78.40 21 15 58 4591.9 24.15 224.51
 100.00 9 41 22 2164.89 -25.40 35.72 41.84 106.31 10 17 27 1564.9 -22.92 27.80
 100.00 21 11 42 4926.54 27.40 212.84 43.56 77.55 22 33 48 4326.5 25.40 204.61
 110.00 10 47 29 1957.93 -29.07 18.70 40.54 108.84 11 20 7 1357.9 -26.22 10.68
 110.00 22 22 4 4706.27 31.13 195.08 42.52 75.11 23 40 31 4106.3 28.77 186.67

DIFFERENTIAL CORRECTIONS

TDE .9641 TRA-2.3523 TC3 -.2187 BAU .1878
 RDE -.4599 RRA -.3934 RC3 .0872 FAU .01662
 FDE -.8026 FRA 1.4105 FC3 -.2411 BSP 6047
 BDE 1.0682 BRA 2.3850 BC3 .2354 FSP -291

MID-COURSE EXECUTION ACCURACY

SGT 1916.5 SGR 468.8 SG3 108.9
 RRT .2451 RRF -.2584 RTF -.8805
 SGB 1973.0 R23 -.0308 R13 -.8811
 SGI 1920.2 SG2 453.6 TMA 3.63

ORBIT DETERMINATION ACCURACY

ST 886.4 SR 352.2 SS 797.7
 CRT -.6345 CRS -.7403 CST .9889
 LSA 1214.5 MSA 266.2 SSA 17.1
 EL1 916.8 EL2 263.2 ALF 164.54

LAUNCH DATE APR 24 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 260.273

RL 150.44 LAL -.00 LOL 213.14 VL 24.797 GAL 12.51 AZL 92.91 MCA 100.69 SMA 115.46 ECC .36657 INC 2.9127 V1 29.617
 RP 108.94 LAP -2.86 LOP 313.84 VP 35.875 GAP -21.27 AZP 89.46 TAL 156.29 TAP 256.98 RCA 73.14 APO 157.79 V2 34.784
 RC 47.155 GL -9.54 GP 6.03 ZAL 48.65 ZAP 8.54 ETS 226.18 ZAE 152.16 ETE 146.48 ZAC 122.22 ETC 22.55 CLP 6.07

PLANETOCENTRIC CONIC

C3 55.117 VML 7.424 DLA -2.97 RAL 162.69 RAD 6569.0 VEL 13.284 PTH 2.43 VMP 13.149 DPA 23.48 RAP 145.26 ECC 1.9071
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 28 17 2374.55 -23.10 51.88 40.56 106.85 9 7 51 1774.5 -20.58 44.12
 90.00 19 42 16 5202.68 26.16 233.44 42.89 78.75 21 8 58 4602.7 24.34 225.24
 100.00 9 48 14 2116.62 -24.44 32.46 40.10 107.77 10 23 31 1516.6 -21.78 24.67
 100.00 21 4 59 4935.84 27.53 213.50 42.57 77.87 22 27 15 4335.8 25.58 205.24
 110.00 10 53 18 1912.93 -28.04 15.61 38.71 110.41 11 25 11 1312.9 -25.00 7.75
 110.00 22 16 25 4712.30 31.24 195.52 41.56 75.35 23 34 57 4112.3 28.91 187.09

DIFFERENTIAL CORRECTIONS

TDE .9701 TRA-2.3448 TC3 -.2135 BAU .1730
 RDE -.4218 RRA -.3823 RC3 .0977 FAU .01725
 FDE -.8464 FRA 1.4596 FC3 -.2709 BSP 6291
 BDE 1.0579 BRA 2.3757 BC3 .2348 FSP -317

MID-COURSE EXECUTION ACCURACY

SGT 1986.1 SGR 463.0 SG3 117.9
 RRT .2672 RRF -.2834 RTF -.8879
 SGB 2039.3 R23 -.0349 R13 -.8885
 SGI 1990.1 SG2 445.2 TMA 3.75

ORBIT DETERMINATION ACCURACY

ST 925.3 SR 337.4 SS 835.9
 CRT -.6265 CRS -.7355 CST .9884
 LSA 1265.0 MSA 261.0 SSA 17.1
 EL1 951.1 EL2 255.9 ALF 166.11

LAUNCH DATE APR 24 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 266.981

RL 150.44 LAL -.00 LOL 213.14 VL 25.011 GAL 12.00 AZL 93.05 MCA 103.85 SMA 116.54 ECC .35241 INC 3.0470 V1 29.617
 RP 108.94 LAP -2.96 LOP 317.01 VP 36.024 GAP -20.31 AZP 89.27 TAL 155.84 TAP 259.69 RCA 75.47 APO 157.61 V2 34.785
 RC 46.068 GL -10.49 GP 6.43 ZAL 48.46 ZAP 7.97 ETS 235.05 ZAE 153.65 ETE 141.87 ZAC 120.39 ETC 22.09 CLP 4.72

PLANETOCENTRIC CONIC

C3 50.980 VML 7.140 DLA -3.98 RAL 162.64 RAD 6568.9 VEL 13.128 PTH 2.40 VMP 12.600 DPA 23.30 RAP 147.27 ECC 1.8390
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 35 40 2323.59 -22.06 48.81 38.83 108.22 9 14 24 1723.6 -19.36 40.87
 90.00 19 34 28 5214.98 26.32 234.31 41.85 79.16 21 1 23 4615.0 24.56 226.08
 100.00 9 55 9 2067.21 -23.37 29.17 38.34 109.19 10 29 36 1467.2 -20.54 21.52
 100.00 20 57 40 4946.60 27.68 214.26 41.55 78.24 22 20 7 4346.6 25.78 205.98
 110.00 10 59 7 1866.96 -26.91 12.51 36.88 111.92 11 30 14 1267.0 -23.69 4.82
 110.00 22 10 12 4719.61 31.36 196.05 40.57 75.64 23 28 51 4119.6 29.07 187.59

DIFFERENTIAL CORRECTIONS

TDE .9770 TRA-2.3349 TC3 -.2057 BAU .1587
 RDE -.3840 RRA -.3724 RC3 .1093 FAU .01794
 FDE -.8946 FRA 1.5113 FC3 -.3046 BSP 6538
 BDE 1.0497 BRA 2.3645 BC3 .2329 FSP -346

MID-COURSE EXECUTION ACCURACY

SGT 2056.4 SGR 457.2 SG3 127.6
 RRT .2928 RRF -.3122 RTF -.8948
 SGB 2106.6 R23 -.0396 R13 -.8955
 SGI 2060.9 SG2 436.2 TMA 3.90

ORBIT DETERMINATION ACCURACY

ST 965.5 SR 321.0 SS 876.6
 CRT -.6162 CRS -.7286 CST .9880
 LSA 1318.4 MSA 255.3 SSA 17.1
 EL1 986.9 EL2 247.3 ALF 167.63

LAUNCH DATE APR 24 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 20 1967

DISTANCE 273.704

HELIOCENTRIC CONIC
 RL 150.44 LAL -.00 LOL 213.14 VL 25.211 GAL 11.52 AZL 93.19 MCA 107.01 SMA 117.58 ECC .33894 INC 3.1851 V1 29.617
 RP 108.93 LAP -3.05 LOP 320.17 VP 36.165 GAP -19.38 AZP 89.07 TAL 155.43 TAP 262.43 RCA 77.73 APO 157.43 V2 34.787
 RC 45.125 GL -11.52 GP 6.89 ZAL 48.35 ZAP 7.66 ETS 245.28 ZAE 155.04 ETE 136.52 ZAC 118.56 ETC 21.68 CLP 3.36

PLANETOCENTRIC CONIC
 C3 47.237 VML 6.873 DLA -5.04 RAL 162.52 RAD 6568.8 VEL 12.985 PTH 2.37 VMP 12.068 DPA 23.16 RAP 149.27 ECC 1.7774
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 43 9 2271.35 -20.90 45.11 37.09 109.55 9 21 1 1671.4 -18.05 37.60
 90.00 19 25 59 5229.14 26.50 235.30 40.79 79.63 20 53 8 4629.1 24.80 227.05
 100.00 10 2 7 2016.61 -22.20 25.87 36.58 110.55 10 35 44 1416.6 -19.20 18.36
 100.00 20 49 42 4959.11 27.85 215.15 40.49 78.68 22 12 21 4359.1 26.01 206.84
 110.00 11 4 55 1820.00 -25.68 9.41 35.04 113.38 11 35 15 1220.0 -22.29 1.90
 110.00 22 3 23 4728.48 31.51 196.70 39.55 76.00 23 22 12 4128.5 29.26 188.21

DIFFERENTIAL CORRECTIONS
 TDE .9847 TRA-2.3228 TC3 -.1951 BAU .1453
 RDE -.3462 RRA -.3639 RC3 .1219 FAU .01869
 FDE -.9476 FRA 1.5661 FC3 -.3425 BSP 6788
 BDE 1.0438 BRA 2.3512 BC3 .2301 FSP -378

MID-COURSE EXECUTION ACCURACY
 SGT 2127.2 SGR 451.8 SG3 138.3
 RRT .3227 RRF -.3456 RTF -.9014
 SGB 2174.6 R23 -.0449 R13 -.9022
 SG1 2132.4 SG2 426.6 TMA 4.08

ORBIT DETERMINATION ACCURACY
 ST 1007.0 SR 302.8 SS 920.2
 CRT -.6025 CRS -.7186 CST .9876
 LSA 1374.8 MSA 249.2 SSA 17.1
 EL1 1024.4 EL2 237.6 ALF 169.14

LAUNCH DATE APR 24 1967

FLIGHT TIME 120.00

ARRIVAL DATE AUG 22 1967

DISTANCE 280.437

HELIOCENTRIC CONIC
 RL 150.44 LAL -.00 LOL 213.14 VL 25.398 GAL 11.06 AZL 93.33 MCA 110.16 SMA 118.57 ECC .32614 INC 3.3279 V1 29.617
 RP 108.93 LAP -3.12 LOP 323.34 VP 36.297 GAP -18.47 AZP 88.85 TAL 155.04 TAP 265.21 RCA 79.90 APO 157.24 V2 34.790
 RC 44.335 GL -12.62 GP 7.40 ZAL 48.31 ZAP 7.66 ETS 256.25 ZAE 156.25 ETE 130.37 ZAC 116.72 ETC 21.29 CLP 1.98

PLANETOCENTRIC CONIC
 C3 43.858 VML 6.823 DLA -6.15 RAL 162.32 RAD 6568.7 VEL 12.854 PTH 2.34 VMP 11.555 OPA 23.06 RAP 151.26 ECC 1.7218
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 50 48 2217.74 -19.64 41.68 35.35 110.81 9 27 46 1617.7 -16.64 34.30
 90.00 19 16 45 5245.47 26.69 236.46 39.69 80.18 20 44 10 4645.5 25.06 228.17
 100.00 10 9 13 1964.76 -20.92 22.55 34.82 111.85 10 41 58 1364.8 -17.77 15.17
 100.00 20 41 0 4973.69 28.04 216.20 39.42 79.20 22 3 54 4373.7 26.27 207.84
 110.00 11 10 47 1772.02 -24.34 6.32 33.22 114.77 11 40 19 1172.0 -20.80 358.97
 110.00 21 55 56 4739.19 31.68 197.49 38.51 76.44 23 14 55 4139.2 29.49 188.96

DIFFERENTIAL CORRECTIONS
 TDE .9938 TRA-2.3086 TC3 -.1816 BAU .1329
 RDE -.3084 RRA -.3569 RC3 .1357 FAU .01951
 FDE -1.0065 FRA 1.6241 FC3 -.3850 BSP 7037
 BDE 1.0405 BRA 2.3361 BC3 .2267 FSP -413

MID-COURSE EXECUTION ACCURACY
 SGT 2198.4 SGR 447.1 SG3 150.0
 RRT .3574 RRF -.3841 RTF -.9077
 SGB 2243.4 R23 -.0510 R13 -.9085
 SG1 2204.4 SG2 416.4 TMA 4.31

ORBIT DETERMINATION ACCURACY
 ST 1050.0 SR 282.6 SS 967.0
 CRT -.5838 CRS -.7040 CST .9872
 LSA 1434.7 MSA 242.7 SSA 17.1
 EL1 1063.5 EL2 226.5 ALF 170.64

LAUNCH DATE APR 24 1967

FLIGHT TIME 122.00

ARRIVAL DATE AUG 24 1967

DISTANCE 287.178

HELIOCENTRIC CONIC
 RL 150.44 LAL -.00 LOL 213.14 VL 25.572 GAL 10.61 AZL 93.48 MCA 113.32 SMA 119.52 ECC .31400 INC 3.4767 V1 29.617
 RP 108.92 LAP -3.19 LOP 326.50 VP 36.423 GAP -17.60 AZP 88.62 TAL 154.70 TAP 268.02 RCA 81.99 APO 157.05 V2 34.793
 RC 43.707 GL -13.80 GP 7.97 ZAL 48.37 ZAP 7.99 ETS 267.03 ZAE 157.19 ETE 123.42 ZAC 114.89 ETC 20.93 CLP .57

PLANETOCENTRIC CONIC
 C3 40.820 VML 6.389 DLA -7.32 RAL 162.04 RAD 6568.6 VEL 12.735 PTH 2.32 VMP 11.059 OPA 23.01 RAP 153.26 ECC 1.6718
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 58 40 2162.65 -18.28 38.22 33.63 112.01 9 34 42 1562.6 -15.13 30.96
 90.00 19 6 40 5264.37 26.90 237.80 38.59 80.82 20 34 24 4664.4 25.36 229.48
 100.00 10 16 30 1911.55 -19.54 19.20 33.07 113.08 10 48 21 1311.6 -16.25 11.96
 100.00 20 31 31 4990.70 28.25 217.42 38.33 79.81 21 54 42 4390.7 26.56 209.03
 110.00 11 16 43 1722.98 -22.91 3.24 31.42 116.09 11 45 26 1125.0 -19.21 356.05
 110.00 21 47 47 4752.04 31.68 198.43 37.47 76.96 23 6 59 4152.0 29.76 189.87

DIFFERENTIAL CORRECTIONS
 TDE 1.0043 TRA-2.2918 TC3 -.1653 BAU .1220
 RDE -.2701 RRA -.3517 RC3 .1507 FAU .02040
 FDE -1.0720 FRA 1.6857 FC3 -.4325 BSP 7281
 BDE 1.0400 BRA 2.3187 BC3 .2236 FSP -452

MID-COURSE EXECUTION ACCURACY
 SGT 2269.3 SGR 443.7 SG3 162.8
 RRT .3974 RRF -.4284 RTF -.9135
 SGB 2312.3 R23 -.0581 R13 -.9144
 SG1 2276.4 SG2 405.9 TMA 4.59

ORBIT DETERMINATION ACCURACY
 ST 1094.4 SR 260.4 SS 1017.2
 CRT -.5576 CRS -.6822 CST .9870
 LSA 1498.1 MSA 235.9 SSA 17.0
 EL1 1104.4 EL2 214.2 ALF 172.15

LAUNCH DATE APR 24 1967

FLIGHT TIME 124.00

ARRIVAL DATE AUG 26 1967

DISTANCE 293.925

HELIOCENTRIC CONIC
 RL 150.44 LAL -.00 LOL 213.14 VL 25.735 GAL 10.20 AZL 93.63 MCA 116.48 SMA 120.43 ECC .30252 INC 3.6327 V1 29.617
 RP 108.90 LAP -3.25 LOP 329.67 VP 36.541 GAP -16.76 AZP 88.38 TAL 154.39 TAP 270.87 RCA 84.00 APO 156.86 V2 34.797
 RC 43.245 GL -15.07 GP 8.62 ZAL 48.51 ZAP 8.66 ETS 276.74 ZAE 157.79 ETE 115.81 ZAC 113.06 ETC 20.60 CLP -.86

PLANETOCENTRIC CONIC
 C3 38.100 VML 6.173 DLA -8.55 RAL 161.68 RAD 6568.5 VEL 12.628 PTH 2.29 VMP 10.580 DPA 23.02 RAP 155.25 ECC 1.6270
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 6 48 2105.92 -16.79 34.72 31.93 113.14 9 41 54 1505.9 -13.52 27.57
 90.00 18 55 39 5286.26 27.13 239.36 37.48 81.57 20 23 45 4686.3 25.69 230.99
 100.00 10 24 0 1856.89 -18.04 15.83 31.36 114.24 10 54 57 1256.9 -14.62 8.71
 100.00 20 21 9 5010.53 28.48 218.84 37.24 80.53 21 44 39 4410.5 26.88 210.41
 110.00 11 22 47 1672.81 -21.37 .15 29.65 117.33 11 50 40 1072.8 -17.54 353.12
 110.00 21 38 51 4767.37 32.11 199.57 36.43 77.60 22 58 18 4167.4 30.07 190.95

DIFFERENTIAL CORRECTIONS
 TDE 1.0175 TRA-2.2723 TC3 -.1436 BAU .1121
 RDE -.2312 RRA -.3487 RC3 .1669 FAU .02136
 FDE -1.1453 FRA 1.7512 FC3 -.4853 BSP 7573
 BDE 1.0434 BRA 2.2989 BC3 .2202 FSP -494

MID-COURSE EXECUTION ACCURACY
 SGT 2339.4 SGR 442.3 SG3 176.9
 RRT .4436 RRF -.4786 RTF -.9195
 SGB 2380.8 R23 -.0656 R13 -.9206
 SG1 2347.8 SG2 395.0 TMA 4.93

ORBIT DETERMINATION ACCURACY
 ST 1140.8 SR 236.1 SS 1071.4
 CRT -.5193 CRS -.6491 CST .9868
 LSA 1566.0 MSA 228.7 SSA 16.8
 EL1 1147.6 EL2 200.5 ALF 173.67

LAUNCH DATE APR 24 1967

FLIGHT TIME 126.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 300.674

RL 150.44 LAL -.00 LOL 213.14 VL 25.886 GAL 9.80 AZL 93.80 MCA 119.64 SMA 121.29 ECC .29166 INC 3.7976 V1 29.617
 RP 108.89 LAP -3.30 LOP 332.84 VP 36.652 GAP -15.94 AZP 88.12 TAL 154.11 TAP 273.75 RCA 85.91 APO 156.66 V2 34.801
 RC 42.956 GL -16.43 GP 9.36 ZAL 48.75 ZAP 9.64 ETS 284.92 ZAE 157.97 ETE 107.81 ZAC 111.22 ETC 20.29 CLP -2.32

PLANETOCENTRIC CONIC

C3 35.679 VML 5.973 DLA -9.84 RAL 161.24 RAD 6568.4 VEL 12.532 PTH 2.27 VMP 10.119 DPA 23.11 RAP 157.24 ECC 1.5872
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 15 17 2047.38 -15.19 31.17 30.27 114.19 9 49 25 1447.4 -11.80 24.14
 90.00 18 43 35 5311.62 27.37 241.18 36.38 82.45 20 12 7 4711.6 26.04 232.77
 100.00 10 31 49 1800.60 -16.44 12.42 29.67 115.32 11 1 50 1200.6 -12.89 5.43
 100.00 20 9 47 5033.63 28.73 220.52 36.16 81.37 21 33 40 4433.6 27.24 212.03
 110.00 11 29 2 1621.43 -19.74 357.07 27.91 118.49 11 56 3 1021.4 -15.78 350.18
 110.00 21 29 3 4785.56 32.37 200.93 35.41 78.36 22 48 49 4185.6 30.43 192.25

DIFFERENTIAL CORRECTIONS

TDE 1.0318 TRA-2.2530 TC3 -.1222 BAU .1056
 RDE -.1910 RRA -.3482 RC3 .1847 FAU .02240
 FDE-1.2277 FRA 1.8208 FC3 -.5436 BSP 7784
 BDE 1.0493 BRA 2.2797 BC3 .2214 FSP -541

MID-COURSE EXECUTION ACCURACY

SGT 2410.7 SGR 444.0 SG3 192.2
 RRT .4951 RRF -.5348 RTF -.9245
 SGB 2451.3 R23 -.0750 R13 -.9257
 SGI 2421.0 SG2 384.1 TMA 5.35

ORBIT DETERMINATION ACCURACY

ST 1188.5 SR 209.7 SS 1129.9
 CRT -.4593 CRS -.5963 CST .9866
 LSA 1638.1 MSA 222.0 SSA 16.6
 EL1 1192.5 EL2 185.6 ALF 175.25

LAUNCH DATE APR 24 1967

FLIGHT TIME 128.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 307.423

RL 150.44 LAL -.00 LOL 213.14 VL 26.027 GAL 9.42 AZL 93.97 MCA 122.81 SMA 122.10 ECC .28141 INC 3.9732 V1 29.617
 RP 108.87 LAP -3.34 LOP 336.01 VP 36.757 GAP -15.14 AZP 87.84 TAL 153.87 TAP 276.67 RCA 87.74 APO 156.47 V2 34.806
 RC 42.841 GL -17.89 GP 10.19 ZAL 49.09 ZAP 10.88 ETS 291.46 ZAE 157.69 ETE 99.40 ZAC 109.39 ETC 20.00 CLP -3.81

PLANETOCENTRIC CONIC

C3 33.540 VML 5.791 DLA -11.20 RAL 160.70 RAD 6568.3 VEL 12.446 PTH 2.25 VMP 9.677 DPA 23.29 RAP 159.25 ECC 1.5520
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 24 20 1986.75 -13.47 27.55 28.66 115.15 9 57 27 1386.7 -9.97 20.62
 90.00 18 30 19 5341.03 27.62 243.30 35.30 83.48 19 59 20 4741.0 26.43 234.83
 100.00 10 40 2 1742.49 -14.71 8.97 28.04 116.32 11 9 5 1142.5 -11.06 2.08
 100.00 19 57 18 5060.52 28.99 222.47 35.10 82.37 21 21 38 4460.5 27.63 213.93
 110.00 11 35 32 1568.73 -17.99 353.97 26.23 119.57 12 1 40 968.7 -13.92 347.23
 110.00 21 18 18 4807.04 32.65 202.54 34.41 79.28 22 38 25 4207.0 30.83 193.79

DIFFERENTIAL CORRECTIONS

TDE 1.0522 TRA-2.2272 TC3 -.0930 BAU .1005
 RDE -.1490 RRA -.3505 RC3 .2040 FAU .02358
 FDE-1.3221 FRA 1.8934 FC3 -.6087 BSP 8089
 BDE 1.0627 BRA 2.2546 BC3 .2242 FSP -594

MID-COURSE EXECUTION ACCURACY

SGT 2478.0 SGR 450.0 SG3 209.1
 RRT .5517 RRF -.5959 RTF -.9298
 SGB 2518.5 R23 -.0851 R13 -.9312
 SGI 2490.7 SG2 373.4 TMA 5.85

ORBIT DETERMINATION ACCURACY

ST 1240.0 SR 181.7 SS 1194.0
 CRT -.3639 CRS -.5082 CST .9868
 LSA 1717.6 MSA 214.5 SSA 16.3
 EL1 1241.8 EL2 169.0 ALF 176.89

LAUNCH DATE APR 24 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 314.171

RL 150.44 LAL -.00 LOL 213.14 VL 26.159 GAL 9.06 AZL 94.16 MCA 125.97 SMA 122.88 ECC .27177 INC 4.1619 V1 29.617
 RP 108.86 LAP -3.37 LOP 339.18 VP 36.855 GAP -14.37 AZP 87.55 TAL 153.66 TAP 279.63 RCA 89.48 APO 156.27 V2 34.812
 RC 42.900 GL -19.46 GP 11.15 ZAL 49.54 ZAP 12.35 ETS 296.54 ZAE 156.95 ETE 92.19 ZAC 107.56 ETC 19.73 CLP -5.34

PLANETOCENTRIC CONIC

C3 31.671 VML 5.628 DLA -12.65 RAL 160.08 RAD 6568.3 VEL 12.371 PTH 2.23 VMP 9.252 DPA 23.58 RAP 161.26 ECC 1.5212
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 33 58 1923.69 -11.61 23.84 27.11 116.01 10 6 2 1323.7 -8.02 17.00
 90.00 18 15 41 5375.19 27.86 245.77 34.24 84.70 19 45 16 4775.2 26.83 237.25
 100.00 10 48 48 1682.28 -12.87 5.45 26.46 117.22 11 16 50 1082.3 -9.12 358.67
 100.00 19 43 33 5091.84 29.25 224.77 34.08 83.55 21 8 25 4491.8 28.05 216.17
 110.00 11 42 21 1514.57 -16.15 350.86 24.60 120.55 12 7 36 914.6 -11.97 344.24
 110.00 21 6 29 4832.32 32.96 204.45 33.46 80.37 22 27 1 4232.3 31.28 195.63

DIFFERENTIAL CORRECTIONS

TDE 1.0728 TRA-2.2027 TC3 -.0641 BAU .0989
 RDE -.1045 RRA -.3564 RC3 .2247 FAU .02478
 FDE-1.4278 FRA 1.9715 FC3 -.6774 BSP 8315
 BDE 1.0779 BRA 2.2313 BC3 .2337 FSP -650

MID-COURSE EXECUTION ACCURACY

SGT 2545.7 SGR 462.1 SG3 227.4
 RRT .6122 RRF -.6603 RTF -.9345
 SGB 2587.3 R23 -.0966 R13 -.9362
 SGI 2561.6 SG2 363.1 TMA 6.47

ORBIT DETERMINATION ACCURACY

ST 1291.6 SR 154.3 SS 1262.6
 CRT -.1972 CRS -.3514 CST .9868
 LSA 1800.8 MSA 207.9 SSA 15.9
 EL1 1292.0 EL2 151.3 ALF 178.63

LAUNCH DATE APR 24 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 320.914

RL 150.44 LAL -.00 LOL 213.14 VL 26.280 GAL 8.72 AZL 94.37 MCA 129.13 SMA 123.61 ECC .26270 INC 4.3664 V1 29.617
 RP 108.84 LAP -3.39 LOP 342.35 VP 36.948 GAP -13.63 AZP 87.24 TAL 153.48 TAP 282.61 RCA 91.14 APO 156.08 V2 34.819
 RC 43.133 GL -21.14 GP 12.26 ZAL 50.10 ZAP 14.04 ETS 300.39 ZAE 155.77 ETE 85.32 ZAC 105.72 ETC 19.48 CLP -6.91

PLANETOCENTRIC CONIC

C3 30.061 VML 5.483 DLA -14.18 RAL 159.35 RAD 6568.2 VEL 12.306 PTH 2.22 VMP 8.847 DPA 24.00 RAP 163.30 ECC 1.4947
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 44 27 1857.75 -9.62 20.03 25.64 116.76 10 15 24 1257.7 -5.95 13.27
 90.00 17 59 26 5414.97 28.07 248.66 33.22 86.13 19 29 41 4815.0 27.24 240.09
 100.00 10 58 15 1619.60 -10.89 1.85 24.97 118.01 11 25 14 1019.6 -7.06 355.16
 100.00 19 28 19 5128.33 29.50 227.45 33.09 84.94 20 53 47 4528.3 28.49 218.79
 110.00 11 49 37 1458.72 -14.19 347.72 23.04 121.43 12 13 55 858.7 -9.93 341.21
 110.00 20 53 26 4861.97 33.27 206.70 32.58 81.67 22 14 28 4262.0 31.77 197.80

DIFFERENTIAL CORRECTIONS

TDE 1.0976 TRA-2.1761 TC3 -.0334 BAU .1002
 RDE -.0564 RRA -.3662 RC3 .2471 FAU .02605
 FDE-1.5483 FRA 2.0538 FC3 -.7501 BSP 8533
 BDE 1.0990 BRA 2.2067 BC3 .2494 FSP -710

MID-COURSE EXECUTION ACCURACY

SGT 2611.2 SGR 482.4 SG3 247.3
 RRT .6734 RRF -.7251 RTF -.9388
 SGB 2655.4 R23 -.1096 R13 -.9408
 SGI 2631.7 SG2 353.8 TMA 7.22

ORBIT DETERMINATION ACCURACY

ST 1345.6 SR 132.5 SS 1337.0
 CRT .0880 CRS -.0714 CST .9870
 LSA 1890.7 MSA 201.8 SSA 15.4
 EL1 1345.7 EL2 132.0 ALF .50

LAUNCH DATE APR 24 1967-

FLIGHT TIME 134.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 327.652

RL 150.44 LAL -.00 LOL 213.14 VL 26.393 GAL 8.40 AZL 94.59 MCA 132.29 SMA 124.30 ECC .25419 INC 4.5903 V1 29.617
 RP 108.81 LAP -3.39 LOP 345.53 VP 37.035 GAP -12.90 AZP 86.91 TAL 153.34 TAP 285.63 RCA 92.70 APO 155.89 V2 34.826
 RC 43.534 GL -22.96 GP 13.53 ZAL 50.78 ZAP 15.95 ETS 303.23 ZAE 154.20 ETE 79.41 ZAC 103.88 ETC 19.23 CLP -8.53

PLANETOCENTRIC CONIC

C3 28.707 VHL 5.358 DLA -15.80 RAL 158.52 RAD 6568.2 VEL 12.251 PTH 2.20 VHP 8.462 OPA 24.59 RAP 165.37 ECC 1.4725
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 56 0 1788.16 -7.46 16.05 24.27 117.40 10 25 48 1188.2 -3.73 9.36
 90.00 17 41 15 5461.47 28.24 252.05 32.25 87.83 19 12 17 4861.5 27.64 243.44
 100.00 11 8 36 1553.89 -8.76 358.13 23.57 118.69 11 34 30 953.9 -4.87 351.51
 100.00 19 11 20 5170.96 29.71 230.60 32.17 86.59 20 37 31 4571.0 28.93 221.89
 110.00 11 57 26 1400.93 -12.11 344.55 21.57 122.21 12 20 47 800.9 -7.77 338.12
 110.00 20 39 0 4896.69 33.58 209.37 31.76 83.22 22 0 36 4296.7 32.28 200.38

DIFFERENTIAL CORRECTIONS

TDE 1.1300 TRA-2.1449 TC3 .0030 BAU .1042
 RDE -.0032 RRA -.3808 RC3 .2714 FAU .02744
 FDE -1.6873 FRA 2.1381 FC3 -.8276 BSP 8821
 BDE 1.1300 BRA 2.1784 BC3 .2714 FSP -779

MID-COURSE EXECUTION ACCURACY

SGT 2672.5 SGR 513.5 SG3 268.9
 RRT .7327 RRF -.7866 RTF -.9434
 SGB 2721.4 R23 -.1228 R13 -.9458
 SGI 2699.3 SG2 346.0 TMA 8.15

ORBIT DETERMINATION ACCURACY

ST 1404.1 SR 127.3 SS 1418.5
 CRT .4844 CRS .3420 CST .9874
 LSA 1990.3 MSA 195.5 SSA 14.8
 EL1 1405.5 EL2 111.3 ALF 2.53

LAUNCH DATE APR 24 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 334.381

RL 150.44 LAL -.00 LOL 213.14 VL 26.498 GAL 8.09 AZL 94.84 MCA 135.46 SMA 124.95 ECC .24623 INC 4.8379 V1 29.617
 RP 108.79 LAP -3.39 LOP 348.70 VP 37.117 GAP -12.20 AZP 86.55 TAL 153.23 TAP 288.68 RCA 94.18 APO 155.71 V2 34.834
 RC 44.099 GL -24.90 GP 15.02 ZAL 51.60 ZAP 18.09 ETS 305.26 ZAE 152.30 ETE 74.52 ZAC 102.03 ETC 18.99 CLP -10.20

PLANETOCENTRIC CONIC

C3 27.610 VHL 5.255 DLA -17.53 RAL 157.58 RAD 6568.1 VEL 12.206 PTH 2.19 VHP 8.099 OPA 25.37 RAP 167.49 ECC 1.4544
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 9 2 1713.96 -5.12 11.86 23.04 117.89 10 37 36 1114.0 -1.35 5.21
 90.00 17 20 42 5516.21 28.32 256.05 31.33 89.83 18 52 38 4916.2 27.99 247.40
 100.00 11 20 11 1484.41 -6.47 354.25 22.30 119.25 11 44 55 884.4 -2.53 347.68
 100.00 18 52 14 5220.99 29.86 234.31 31.30 88.54 20 19 15 4621.0 29.34 225.55
 110.00 12 6 1 1340.81 -9.91 341.26 20.20 122.88 12 28 22 740.8 -5.51 334.94
 110.00 20 22 53 4937.37 33.87 212.51 31.04 85.06 21 45 11 4337.4 32.81 203.43

DIFFERENTIAL CORRECTIONS

TDE 1.1702 TRA-2.1099 TC3 .0427 BAU .1110
 RDE .0570 RRA -.4007 RC3 .2976 FAU .02894
 FDE -1.8477 FRA 2.2233 FC3 -.9074 BSP 9140
 BDE 1.1716 BRA 2.1476 BC3 .3007 FSP -856

MID-COURSE EXECUTION ACCURACY

SGT 2729.7 SGR 558.3 SG3 292.1
 RRT .7867 RRF -.8415 RTF -.9478
 SGB 2786.2 R23 -.1362 R13 -.9507
 SGI 2765.4 SG2 340.2 TMA 9.28

ORBIT DETERMINATION ACCURACY

ST 1467.0 SR 151.2 SS 1507.6
 CRT .8063 CRS .7071 CST .9881
 LSA 2100.4 MSA 189.4 SSA 14.0
 EL1 1472.1 EL2 89.1 ALF 4.77

LAUNCH DATE APR 24 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 341.102

RL 150.44 LAL -.00 LOL 213.14 VL 26.595 GAL 7.81 AZL 95.12 MCA 138.62 SMA 125.55 ECC .23880 INC 5.1152 V1 29.617
 RP 108.76 LAP -3.38 LOP 351.88 VP 37.194 GAP -11.52 AZP 86.16 TAL 153.14 TAP 291.76 RCA 95.57 APO 155.53 V2 34.842
 RC 44.820 GL -27.00 GP 16.75 ZAL 52.55 ZAP 20.46 ETS 306.62 ZAE 150.12 ETE 70.64 ZAC 100.16 ETC 18.75 CLP -11.92

PLANETOCENTRIC CONIC

C3 26.777 VHL 5.175 DLA -19.38 RAL 156.51 RAD 6568.1 VEL 12.172 PTH 2.18 VHP 7.760 OPA 26.40 RAP 169.69 ECC 1.4407
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 24 8 1633.53 -2.54 7.35 21.98 118.21 10 51 22 1033.5 1.25 .73
 90.00 16 57 5 5581.42 28.24 260.82 30.45 92.22 18 30 6 4981.4 28.25 252.16
 100.00 11 33 24 1409.99 -3.98 350.13 21.18 119.65 11 56 54 810.0 -.00 343.60
 100.00 18 30 30 5280.19 29.88 238.71 30.50 90.85 19 58 30 4680.2 29.68 229.91
 110.00 12 15 35 1277.81 -7.56 337.89 18.97 123.44 12 36 53 677.8 -3.11 331.63
 110.00 20 4 48 4985.14 34.09 218.22 30.42 87.25 21 27 53 4385.1 33.33 207.06

DIFFERENTIAL CORRECTIONS

TDE 1.2169 TRA-2.0739 TC3 .0812 BAU .1201
 RDE .1267 RRA -.4274 RC3 .3256 FAU .03042
 FDE -2.0310 FRA 2.3090 FC3 -.9835 BSP 9444
 BDE 1.2235 BRA 2.1175 BC3 .3355 FSP -938

MID-COURSE EXECUTION ACCURACY

SGT 2783.5 SGR 620.3 SG3 316.7
 RRT .8330 RRF -.8873 RTF -.9519
 SGB 2851.8 R23 -.1493 R13 -.9555
 SGI 2831.7 SG2 337.4 TMA 10.67

ORBIT DETERMINATION ACCURACY

ST 1532.6 SR 206.0 SS 1603.3
 CRT .9469 CRS .8894 CST .9887
 LSA 2219.8 MSA 184.3 SSA 13.2
 EL1 1545.0 EL2 65.7 ALF 7.27

LAUNCH DATE APR 24 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 347.810

RL 150.44 LAL -.00 LOL 213.14 VL 26.684 GAL 7.54 AZL 95.43 MCA 141.79 SMA 126.12 ECC .23187 INC 5.4298 V1 29.617
 RP 108.74 LAP -3.36 LOP 355.05 VP 37.266 GAP -10.85 AZP 85.73 TAL 153.08 TAP 294.87 RCA 96.88 APO 155.36 V2 34.851
 RC 45.690 GL -29.26 GP 18.80 ZAL 53.66 ZAP 23.12 ETS 307.44 ZAE 147.66 ETE 67.71 ZAC 98.27 ETC 18.49 CLP -13.70

PLANETOCENTRIC CONIC

C3 26.228 VHL 5.121 DLA -21.35 RAL 155.31 RAD 6568.1 VEL 12.149 PTH 2.18 VHP 7.449 OPA 27.71 RAP 172.00 ECC 1.4316
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 42 16 1544.07 .35 2.36 21.16 118.32 11 8 0 944.1 4.13 355.73
 90.00 16 29 20 5680.60 27.89 266.59 29.59 95.09 18 3 41 5060.6 28.31 257.95
 100.00 11 49 0 1328.70 -1.23 345.66 20.28 119.87 12 11 9 728.7 2.75 339.14
 100.00 18 5 17 5351.20 29.69 243.98 29.74 93.62 19 34 28 4751.2 29.88 235.18
 110.00 12 26 31 1211.11 -5.05 334.37 17.91 123.85 12 46 42 611.1 -.57 328.15
 110.00 19 44 16 5041.55 34.18 220.63 29.90 89.85 21 8 17 4441.6 33.78 211.40

DIFFERENTIAL CORRECTIONS

TDE 1.2833 TRA-2.0255 TC3 .1338 BAU .1334
 RDE .2103 RRA -.4608 RC3 .3563 FAU .03217
 FDE -2.2476 FRA 2.3834 FC3 -1.0620 BSP 10001
 BDE 1.3004 BRA 2.0773 BC3 -.3805 FSP -1040

MID-COURSE EXECUTION ACCURACY

SGT 2828.4 SGR 703.5 SG3 342.4
 RRT .8717 RRF -.9231 RTF -.9569
 SGB 2914.5 R23 -.1570 R13 -.9612
 SGI 2895.0 SG2 336.8 TMA 12.40

ORBIT DETERMINATION ACCURACY

ST 1610.6 SR 288.2 SS 1710.2
 CRT .9890 CRS .9592 CST .9900
 LSA 2360.2 MSA 176.9 SSA 12.2
 EL1 1635.7 EL2 42.0 ALF 10.04

LAUNCH DATE APR 24 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 354.496

RL 150.44 LAL -0.00 LOL 213.14 VL 26.766 GAL 7.28 AZL 95.79 HCA 144.96 SMA 126.65 ECC .22540 INC 5.7921 V1 29.617
 RP 108.71 LAP -3.32 LOP 358.23 VP 37.334 GAP -10.20 AZP 85.25 TAL 153.05 TAP 298.01 RCA 98.10 APO 155.20 V2 34.860
 RC 46.700 GL -31.71 GP 21.23 ZAL 54.94 ZAP 26.10 ETS 307.79 ZAE 144.93 ETE 65.65 ZAC 96.33 ETC 18.20 CLP -15.55

PLANETOCENTRIC CONIC

C3 25.986 VHL 5.098 DLA -23.46 RAL 153.93 RAD 6568.1 VEL 12.139 PTH 2.18 VHP 7.169 DPA 29.38 RAP 174.46 ECC 1.4277
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 5 18 1439.88 3.70 356.54 20.68 118.09 11 29 18 839.9 7.43 349.85
 90.00 15 55 20 5760.21 27.08 273.76 28.66 98.60 17 31 20 5160.2 27.99 265.21
 100.00 12 8 11 1236.92 1.88 340.62 19.67 119.84 12 28 47 636.9 5.84 334.07
 100.00 17 35 8 5438.40 29.15 250.41 28.97 96.95 19 5 47 4838.4 29.80 241.66
 110.00 12 39 18 1139.31 -2.31 330.61 17.05 124.11 12 58 18 539.3 2.18 324.40
 110.00 19 20 30 5108.78 34.07 225.87 29.48 92.95 20 45 38 4508.8 34.10 216.63

DIFFERENTIAL CORRECTIONS

TOE 1.4873 TRA-1.8494 TC3 .3768 BAU .1932
 RDE .3251 RRA -.4882 RC3 .4091 FAU .03830
 FDE-2.5876 FRA 2.3453 FC3-1.2759 BSP 13581
 BDE 1.5224 BRA 1.9128 BC3 .5562 FSP -1346

MID-COURSE EXECUTION ACCURACY

SGT 2841.9 SGR 815.7 SG3 370.7
 RRT .9174 RRF -.9499 RTF -.9737
 SGB 2956.7 R23 -.1145 R13 -.9774
 SG1 2940.0 SG2 313.9 TMA 14.92

ORBIT DETERMINATION ACCURACY

ST 1804.6 SR 407.2 SS 1879.1
 CRT .9972 CRS .9857 CST .9952
 LSA 2633.4 MSA 136.7 SSA 10.9
 EL1 1849.8 EL2 29.5 ALF 12.69

LAUNCH DATE APR 24 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 361.196

RL 150.44 LAL -0.00 LOL 213.14 VL 26.842 GAL 7.06 AZL 96.22 HCA 148.12 SMA 127.14 ECC .21949 INC 6.2167 V1 29.617
 RP 108.68 LAP -3.28 LOP 1.41 VP 37.397 GAP -9.58 AZP 84.71 TAL 153.02 TAP 301.15 RCA 99.23 APO 155.05 V2 34.870
 RC 47.841 GL -34.34 GP 24.11 ZAL 56.38 ZAP 29.45 ETS 307.73 ZAE 141.89 ETE 64.31 ZAC 94.32 ETC 17.85 CLP -17.44

PLANETOCENTRIC CONIC

C3 28.147 VHL 5.113 DLA -25.72 RAL 152.41 RAD 6568.1 VEL 12.146 PTH 2.18 VHP 6.934 DPA 31.45 RAP 177.16 ECC 1.4303
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 30 2 1307.40 7.90 349.07 20.86 117.28 11 59 49 707.4 11.49 342.24
 90.00 15 10 29 607.71 25.34 305.39 27.52 103.07 15 20 36 7.7 26.89 297.07
 100.00 12 33 38 1127.83 5.56 334.61 19.59 119.42 12 52 26 527.8 9.43 327.97
 100.00 16 57 33 5590.55 27.95 258.52 28.14 101.06 18 30 4 4950.5 29.19 249.94
 110.00 12 55 1 1060.77 .69 326.51 16.57 124.18 13 12 41 460.8 5.17 320.29
 110.00 18 52 40 5190.38 33.60 232.20 29.17 96.67 20 19 10 4590.4 34.16 223.00

DIFFERENTIAL CORRECTIONS

TOE 1.3784 TRA-2.0009 TC3 .1070 BAU -.1465
 RDE .4313 RRA -.5661 RC3 .4052 FAU .03228
 FDE-2.7100 FRA 2.5598 FC3-1.0689 BSP 9310
 BDE 1.4443 BRA 2.0795 BC3 .4191 FSP -1123

MID-COURSE EXECUTION ACCURACY

SGT 2930.9 SGR 949.2 SG3 391.7
 RRT .9144 RRF -.9672 RTF -.9583
 SGB 3080.8 R23 -.1900 R13 -.9658
 SG1 3058.7 SG2 368.3 TMA 16.75

ORBIT DETERMINATION ACCURACY

ST 1715.4 SR 527.6 SS 1907.2
 CRT .9990 CRS .9942 CST .9894
 LSA 2612.2 MSA 187.0 SSA 10.0
 EL1 1794.6 EL2 22.2 ALF 17.08

LAUNCH DATE APR 24 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 367.863

RL 150.44 LAL -0.00 LOL 213.14 VL 26.911 GAL 6.84 AZL 96.72 HCA 151.29 SMA 127.59 ECC .21400 INC 6.7246 V1 29.617
 RP 108.64 LAP -3.22 LOP 4.60 VP 37.457 GAP -8.96 AZP 84.10 TAL 153.03 TAP 304.32 RCA 100.29 APO 154.90 V2 34.881
 RC 49.103 GL -37.21 GP 27.57 ZAL 58.03 ZAP 33.27 ETS 307.74 ZAE 138.45 ETE 63.63 ZAC 92.22 ETC 17.40 CLP -19.39

PLANETOCENTRIC CONIC

C3 26.766 VHL 5.174 DLA -28.15 RAL 150.65 RAD 6568.1 VEL 12.171 PTH 2.18 VHP 6.751 DPA 34.03 RAP 180.20 ECC 1.4405
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 50 12 1051.09 15.50 334.09 22.90 114.00 13 7 43 451.1 18.61 326.80
 90.00 13 44 16 875.61 20.03 323.21 24.84 110.44 13 58 52 275.6 22.64 315.50
 100.00 13 13 2 977.18 10.51 326.16 20.39 118.15 13 29 20 377.2 14.19 319.31
 100.00 16 4 7 5712.80 25.31 269.85 26.75 106.46 17 39 20 5112.8 27.32 261.63
 110.00 13 15 10 970.50 4.13 321.79 16.52 123.96 13 31 20 370.5 8.57 315.51
 110.00 18 18 29 5292.24 32.53 239.95 28.77 101.13 19 46 41 4692.2 33.72 230.92

DIFFERENTIAL CORRECTIONS

TOE 1.4940 TRA-1.9477 TC3 .1434 BAU .1630
 RDE .5939 RRA -.6313 RC3 .4325 FAU .03299
 FDE-3.0116 FRA 2.5771 FC3-1.0671 BSP 9950
 BDE 1.6077 BRA 2.0474 BC3 .4556 FSP -1219

MID-COURSE EXECUTION ACCURACY

SGT 2957.0 SGR 1123.1 SG3 412.7
 RRT .9317 RRF -.9793 RTF -.9628
 SGB 3163.2 R23 -.1838 R13 -.9718
 SG1 3139.7 SG2 384.3 TMA 19.80

ORBIT DETERMINATION ACCURACY

ST 1810.0 SR 699.5 SS 2026.2
 CRT .9974 CRS .9979 CST .9910
 LSA 2799.6 MSA 181.2 SSA 8.8
 EL1 1939.9 EL2 47.2 ALF 21.09

LAUNCH DATE APR 24 1967

FLIGHT TIME 148.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 374.515

RL 150.44 LAL -0.00 LOL 213.14 VL 26.974 GAL 6.64 AZL 97.35 HCA 154.46 SMA 128.01 ECC .20895 INC 7.3470 V1 29.617
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.512 GAP -8.37 AZP 83.36 TAL 153.04 TAP 307.50 RCA 101.27 APO 154.76 V2 34.891
 RC 50.476 GL -40.33 GP 31.73 ZAL 59.92 ZAP 37.62 ETS 306.64 ZAE 134.51 ETE 63.47 ZAC 90.00 ETC 16.79 CLP -21.36

PLANETOCENTRIC CONIC

C3 28.023 VHL 5.294 DLA -30.76 RAL 148.63 RAD 6568.1 VEL 12.223 PTH 2.20 VHP 6.640 DPA 37.19 RAP 183.76 ECC 1.4612
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.45 11 28 47 1297.66 18.97 353.90 23.32 114.68 11 50 24 697.7 22.14 346.47
 102.55 14 49 32 651.88 18.99 306.28 23.33 114.67 15 0 24 51.9 22.16 298.84
 77.45 11 28 47 1297.66 18.97 353.90 23.32 114.68 11 50 24 697.7 22.14 346.47
 102.55 14 49 32 651.88 18.99 306.28 23.33 114.67 15 0 24 51.9 22.16 298.84
 110.00 13 43 54 857.84 8.38 315.84 17.30 123.26 13 58 12 257.8 12.70 309.41
 110.00 17 33 35 5427.73 30.31 249.88 28.01 106.62 19 4 3 4827.7 32.29 241.22

DIFFERENTIAL CORRECTIONS

TOE 1.6290 TRA-1.9054 TC3 .1530 BAU .1781
 RDE .8054 RRA -.7101 RC3 .4500 FAU .03238
 FDE-3.3222 FRA 2.5556 FC3-1.0004 BSP 10396
 BDE 1.8172 BRA 2.0334 BC3 .4753 FSP -1279

MID-COURSE EXECUTION ACCURACY

SGT 2982.4 SGR 1336.8 SG3 426.9
 RRT .9433 RRF -.9869 RTF -.9661
 SGB 3268.3 R23 -.1750 R13 -.9770
 SG1 3242.7 SG2 408.0 TMA 23.31

ORBIT DETERMINATION ACCURACY

ST 1904.4 SR 912.2 SS 2136.0
 CRT .9959 CRS .9993 CST .9921
 LSA 2998.2 MSA 179.1 SSA 7.7
 EL1 2110.3 EL2 74.0 ALF 25.54

LAUNCH DATE APR 24 1967

FLIGHT TIME 150.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 381.147

RL 150.44 LAL -.00 LOL 213.14 VL 27.032 GAL 6.46 AZL 98.13 MCA 157.62 SMA 128.40 ECC .20433 INC 8.1329 V1 29.617
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.584 GAP -7.79 AZP 82.47 TAL 153.06 TAP 310.69 RCA 102.16 APO 154.63 V2 34.903
 RC 51.950 GL -43.74 GP 36.72 ZAL 62.07 ZAP 42.59 ETS 305.68 ZAE 129.90 ETE 63.65 ZAC 87.60 ETC 15.90 CLP -23.31

PLANETOCENTRIC CONIC

C3 30.207 VHL 5.496 DLA -33.57 RAL 146.26 RAD 6568.2 VEL 12.312 PTH 2.22 VHP 6.633 OPA 41.00 RAP 188.12 ECC 1.4971
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 71.17 10 37 13 1447.89 19.99 5.87 23.00 117.54 11 1 21 847.9 23.52 358.55
 108.83 15 22 14 5827.24 20.00 276.13 23.00 117.53 16 59 21 5227.2 23.53 268.81
 71.17 10 37 13 1447.89 19.99 5.87 23.00 117.54 11 1 21 847.9 23.52 358.55
 108.83 15 22 14 5827.24 20.00 276.13 23.00 117.53 16 59 21 5227.2 23.53 268.81
 110.00 14 40 12 667.86 15.28 305.45 20.23 120.96 14 51 20 67.9 19.27 298.60
 110.00 16 18 25 5655.26 24.86 265.31 25.55 114.25 17 52 40 5055.3 27.92 257.47

DIFFERENTIAL CORRECTIONS

TDE 1.8066 TRA-1.8688 TC3 .1470 BAU .1921
 RDE 1.0882 RRA -.8002 RC3 .4525 FAU .03032
 FDE-3.6270 FRA 2.4664 FC3 -.8691 BSP 10878
 BDE 2.1090 BRA 2.0329 BC3 .4758 FSP -1302

MID-COURSE EXECUTION ACCURACY

SGT 3006.6 SGR 1592.7 SG3 429.7
 RRT .9518 RRF -.9916 RTF -.9691
 SGB 3402.4 R23 -.1609 R13 -.9819
 SG1 3374.4 SG2 435.4 TMA 27.25

ORBIT DETERMINATION ACCURACY

ST 2009.7 SR 1173.6 SS 2231.0
 CRT .9952 CRS .9998 CST .9932
 LSA 3219.0 MSA 177.8 SSA 6.6
 EL1 2325.1 EL2 99.5 ALF 30.22

LAUNCH DATE APR 24 1967

FLIGHT TIME 152.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 387.759

RL 150.44 LAL -.00 LOL 213.14 VL 27.084 GAL 6.29 AZL .99.16 MCA 160.79 SMA 128.75 ECC .20012 INC 9.1631 V1 29.617
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.612 GAP -7.22 AZP 81.34 TAL 153.09 TAP 313.88 RCA 102.99 APO 154.52 V2 34.914
 RC 53.515 GL -47.46 GP 42.69 ZAL 64.53 ZAP 48.27 ETS 304.43 ZAE 124.45 ETE 63.91 ZAC 84.99 ETC 14.54 CLP -25.11

PLANETOCENTRIC CONIC

C3 33.858 VHL 5.819 DLA -36.56 RAL 143.45 RAD 6568.3 VEL 12.459 PTH 2.25 VHP 6.784 OPA 45.46 RAP 193.76 ECC 1.5572
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 65.84 9 55 21 1569.11 20.62 15.81 22.95 120.88 10 21 30 969.1 24.55 8.68
 114.16 15 41 42 5763.43 20.63 271.47 22.96 120.87 17 17 45 5163.4 24.57 264.34
 65.84 9 55 21 1569.11 20.62 15.81 22.95 120.88 10 21 30 969.1 24.55 8.68
 114.16 15 41 42 5763.43 20.63 271.47 22.96 120.87 17 17 45 5163.4 24.57 264.34
 65.84 9 55 21 1569.11 20.62 15.81 22.95 120.88 10 21 30 969.1 24.55 8.68
 114.16 15 41 42 5763.43 20.63 271.47 22.96 120.87 17 17 45 5163.4 24.57 264.34

DIFFERENTIAL CORRECTIONS

TDE 2.0539 TRA-1.8441 TC3 .1221 BAU .2019
 RDE 1.4716 RRA -.8961 RC3 .4290 FAU .02620
 FDE-3.8868 FRA 2.2872 FC3 -.6700 BSP 11388
 BDE 2.9267 BRA 2.0503 BC3 .4461 FSP -1265

MID-COURSE EXECUTION ACCURACY

SGT 3036.5 SGR 1885.7 SG3 415.4
 RRT .9579 RRF -.9944 RTF -.9719
 SGB 3574.4 R23 -.1429 R13 -.9864
 SG1 3544.2 SG2 463.9 TMA 31.34

ORBIT DETERMINATION ACCURACY

ST 2133.1 SR 1486.2 SS 2296.8
 CRT .9950 CRS 1.0000 CST .9943
 LSA 3464.5 MSA 177.0 SSA 5.6
 EL1 2596.9 EL2 122.2 ALF 34.82

LAUNCH DATE APR 24 1967

FLIGHT TIME 154.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 394.345

RL 150.44 LAL -.00 LOL 213.14 VL 27.131 GAL 6.14 AZL 100.58 MCA 163.94 SMA 129.07 ECC .19633 INC10.5822 V1 29.617
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.658 GAP -6.67 AZP 79.82 TAL 153.12 TAP 317.06 RCA 103.73 APO 154.41 V2 34.926
 RC 55.163 GL -51.50 GP 49.75 ZAL 67.36 ZAP 54.67 ETS 302.73 ZAE 117.99 ETE 63.78 ZAC 82.11 ETC 12.29 CLP -26.51

PLANETOCENTRIC CONIC

C3 40.072 VHL 6.330 DLA -39.70 RAL 140.05 RAD 6568.5 VEL 12.706 PTH 2.31 VHP 7.188 OPA 50.42 RAP 201.49 ECC 1.6595
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 60.93 9 17 17 1682.61 20.55 25.11 23.18 124.74 9 45 20 1082.6 24.96 18.28
 119.07 15 52 35 5735.06 20.57 269.09 23.19 124.73 17 28 10 5135.1 24.97 262.26
 60.93 9 17 17 1682.61 20.55 25.11 23.18 124.74 9 45 20 1082.6 24.96 18.28
 119.07 15 52 35 5735.06 20.57 269.09 23.19 124.73 17 28 10 5135.1 24.97 262.26
 60.93 9 17 17 1682.61 20.55 25.11 23.18 124.74 9 45 20 1082.6 24.96 18.28
 119.07 15 52 35 5735.06 20.57 269.09 23.19 124.73 17 28 10 5135.1 24.97 262.26

DIFFERENTIAL CORRECTIONS

TDE 2.4345 TRA-1.8377 TC3 .0841 BAU .2030
 RDE 1.9976 RRA -.9799 RC3 .3695 FAU .01988
 FDE-4.0498 FRA 1.9967 FC3 -.4294 BSP 12051
 BDE 3.1492 BRA 2.0826 BC3 .3790 FSP -1161

MID-COURSE EXECUTION ACCURACY

SGT 3088.7 SGR 2194.7 SG3 379.1
 RRT .9627 RRF -.9959 RTF -.9750
 SGB 3789.1 R23 -.1222 R13 -.9902
 SG1 3757.5 SG2 488.3 TMA 35.05

ORBIT DETERMINATION ACCURACY

ST 2297.0 SR 1840.9 SS 2318.0
 CRT .9953 CRS 1.0000 CST .9954
 LSA 3742.6 MSA 175.5 SSA 4.6
 EL1 2940.3 EL2 139.9 ALF 38.68

LAUNCH DATE APR 24 1967

FLIGHT TIME 156.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 400.899

RL 150.44 LAL -.00 LOL 213.14 VL 27.174 GAL 6.01 AZL 102.67 MCA 167.09 SMA 129.36 ECC .19294 INC12.6739 V1 29.617
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.700 GAP -6.14 AZP 77.64 TAL 153.14 TAP 320.23 RCA 104.41 APO 154.32 V2 34.938
 RC 56.885 GL -55.82 GP 57.92 ZAL 70.60 ZAP 61.70 ETS 299.91 ZAE 110.36 ETE 62.26 ZAC 78.88 ETC 8.19 CLP -26.80

PLANETOCENTRIC CONIC

C3 51.368 VHL 7.167 DLA -42.87 RAL 135.83 RAD 6568.9 VEL 13.143 PTH 2.40 VHP 8.031 OPA 55.39 RAP 212.64 ECC 1.8454
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 56.37 8 40 38 1799.91 19.32 34.25 23.63 129.04 9 10 38 1199.9 24.23 27.86
 123.63 15 55 38 5742.43 19.33 268.74 23.64 129.03 17 31 20 5142.4 24.24 262.35
 56.37 8 40 38 1799.91 19.32 34.25 23.63 129.04 9 10 38 1199.9 24.23 27.86
 123.63 15 55 38 5742.43 19.33 268.74 23.64 129.03 17 31 20 5142.4 24.24 262.35
 56.37 8 40 38 1799.91 19.32 34.25 23.63 129.04 9 10 38 1199.9 24.23 27.86
 123.63 15 55 38 5742.43 19.33 268.74 23.64 129.03 17 31 20 5142.4 24.24 262.35

DIFFERENTIAL CORRECTIONS

TDE 3.0820 TRA-1.8786 TC3 .0318 BAU .1822
 RDE 2.7035 RRA-1.0113 RC3 .2635 FAU .01124
 FDE-4.0492 FRA 1.6081 FC3 -.1894 BSP 12798
 BDE 4.1072 BRA 2.1335 BC3 .2654 FSP -976

MID-COURSE EXECUTION ACCURACY

SGT 3210.9 SGR 2455.7 SG3 319.0
 RRT .9663 RRF -.9964 RTF -.9792
 SGB 4042.3 R23 -.1010 R13 -.9933
 SG1 4010.5 SG2 505.9 TMA 37.16

ORBIT DETERMINATION ACCURACY

ST 2547.1 SR 2186.5 SS 2275.6
 CRT .9958 CRS 1.0000 CST .9966
 LSA 4051.7 MSA 173.2 SSA 3.7
 EL1 3353.3 EL2 152.4 ALF 40.63

LAUNCH DATE, APR 24 1967

FLIGHT TIME 158.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 407.403

RL 150.44 LAL -.00 LOL 213.14 VL 27.212 GAL 5.90 AZL 106.08 MCA 170.21 SMA 129.63 ECC .18997 INC16.0799 V1 29.617
 RP 108.43 LAP -2.70 LOP 23.72 VP 37.739 GAP -5.62 AZP 74.14 TAL 153.13 TAP 323.34 RCA 105.00 APO 154.25 V2 34.951
 RC 58.673 GL -60.20 GP 67.07 ZAL 74.34 ZAP 69.10 ETS 293.11 ZAE 101.44 ETE 56.22 ZAC 75.14 ETC 359.08 CLP -23.70

PLANETOCENTRIC CONIC

C3 74.641 VML 8.640 DLA -45.71 RAL 130.57 RAD 6569.5 VEL 14.000 PTH 2.55 VMP 9.727 DPA 59.20 RAP 229.00 ECC 2.2284
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.48 8 4 31 1930.06 16.21 43.21 24.08 133.35 8 36 41 1330.1 21.60 37.38
 127.52 15 49 44 5792.92 16.23 270.47 24.10 133.35 17 26 17 5192.9 21.62 264.64
 52.48 8 4 31 1930.06 16.21 43.21 24.08 133.35 8 36 41 1330.1 21.60 37.38
 127.52 15 49 44 5792.92 16.23 270.47 24.10 133.35 17 26 17 5192.9 21.62 264.64
 52.48 8 4 31 1930.06 16.21 43.21 24.08 133.35 8 36 41 1330.1 21.60 37.38
 127.52 15 49 44 5792.92 16.23 270.47 24.10 133.35 17 26 17 5192.9 21.62 264.64

DIFFERENTIAL CORRECTIONS

TDE 4.4732 TRA-2.0350 TC3 -.0346 BAU .1246
 RDE 3.4926 RRA -.8503 RC3 .1200 FAU .00109
 FDE-3.8574 FRA 1.1713 FC3 -.0127 BSP 13686
 BDE 5.6752 BRA 2.2055 BC3 .1249 FSP -739

MID-COURSE EXECUTION ACCURACY

SGT 3541.2 SGR 2461.7 SG3 241.0
 RRT .9659 RRF -.9943 RTF -.9857
 SGB 4312.8 R23 -.0792 R13 -.9960
 SG1 4280.4 SG2 527.6 TMA 34.48

ORBIT DETERMINATION ACCURACY

ST 3022.7 SR 2328.9 SS 2168.1
 CRT .9961 CRS .9997 CST .9980
 LSA 4385.3 MSA 173.5 SSA 2.7
 EL1 3812.5 EL2 183.9 ALF 37.58

LAUNCH DATE APR 24 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 413.812

RL 150.44 LAL -.00 LOL 213.14 VL 27.246 GAL 5.82 AZL 112.59 MCA 173.27 SMA 129.86 ECC .18746 INC22.5853 V1 29.617
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.775 GAP -5.14 AZP 67.55 TAL 153.07 TAP 326.34 RCA 105.52 APO 154.21 V2 34.964
 RC 80.521 GL -83.77 GP 76.31 ZAL 78.58 ZAP 76.39 ETS 266.24 ZAE 90.79 ETE 29.45 ZAC 70.31 ETC 328.44 CLP -6.11

PLANETOCENTRIC CONIC

C3 134.887 VML 11.605 DLA -47.25 RAL 124.23 RAD 6570.4 VEL 16.001 PTH 2.82 VMP 13.396 DPA 59.50 RAP 251.03 ECC 3.2166
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 50.45 7 31 54 2074.21 10.52 51.03 24.32 136.34 8 6 29 1474.2 16.25 45.71
 129.55 15 31 45 611.94 10.54 296.87 24.34 136.34 15 41 57 11.9 16.27 291.54
 50.45 7 31 54 2074.21 10.52 51.03 24.32 136.34 8 6 29 1474.2 16.25 45.71
 129.55 15 31 45 611.94 10.54 296.87 24.34 136.34 15 41 57 11.9 16.27 291.54
 50.45 7 31 54 2074.21 10.52 51.03 24.32 136.34 8 6 29 1474.2 16.25 45.71
 129.55 15 31 45 611.94 10.54 296.87 24.34 136.34 15 41 57 11.9 16.27 291.54

DIFFERENTIAL CORRECTIONS

TDE 8.1392 TRA-2.3509 TC3 -.1458 BAU .2657
 RDE 2.4689 RRA .2924 RC3 .0231 FAU-.01062
 FDE-3.5583 FRA .7989 FC3 .0802 BSP 14402
 BDE 8.5049 BRA 2.3690 BC3 .1476 FSP -490

MID-COURSE EXECUTION ACCURACY

SGT 4380.1 SGR 1237.5 SG3 160.5
 RRT .8324 RRF -.8735 RTF -.9966
 SGB 4551.5 R23 -.0437 R13 -.9987
 SG1 4502.4 SG2 667.1 TMA 13.54

ORBIT DETERMINATION ACCURACY

ST 4050.9 SR 1219.6 SS 2043.3
 CRT .9840 CRS .9886 CST .9996
 LSA 4693.4 MSA 210.0 SSA 1.5
 EL1 4225.4 EL2 208.6 ALF 16.54

LAUNCH DATE APR 24 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 419.939

RL 150.44 LAL -.00 LOL 213.14 VL 27.276 GAL 5.80 AZL 129.07 MCA 176.10 SMA 130.07 ECC .18572 INC39.0743 V1 29.617
 RP 108.35 LAP -2.45 LOP 30.11 VP 37.809 GAP -4.73 AZP 50.99 TAL 152.84 TAP 328.94 RCA 105.91 APO 154.23 V2 34.977
 RC 62.420 GL -62.65 GP 76.13 ZAL 83.17 ZAP 82.86 ETS 297.56 ZAE 76.10 ETE 321.00 ZAC 61.93 ETC 253.30 CLP 58.76

PLANETOCENTRIC CONIC

C3 370.876 VML 19.258 DLA -43.86 RAL 118.33 RAD 6572.0 VEL 19.185 PTH 3.24 VMP 23.176 DPA 51.78 RAP 274.71 ECC 7.1037
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.99 7 25 17 2177.82 3.04 53.09 25.16 133.78 8 1 35 1577.8 8.54 47.68
 125.01 14 51 21 802.70 3.05 307.03 25.17 133.78 15 4 44 202.7 8.56 301.61
 54.99 7 25 17 2177.82 3.04 53.09 25.16 133.78 8 1 35 1577.8 8.54 47.68
 125.01 14 51 21 802.70 3.05 307.03 25.17 133.78 15 4 44 202.7 8.56 301.61
 54.99 7 25 17 2177.82 3.04 53.09 25.16 133.78 8 1 35 1577.8 8.54 47.68
 125.01 14 51 21 802.70 3.05 307.03 25.17 133.78 15 4 44 202.7 8.56 301.61

DIFFERENTIAL CORRECTIONS

TDE10.1473 TRA -.3535 TC3 -.1605 BAU 1.4623
 RD-10.2487 RRA 3.1192 RC3 .2474 FAU-.03169
 FDE-3.5864 FRA .6851 FC3 .0740 BSP 14255
 BDE14.4223 BRA 3.1392 BC3 .2949 FSP -296

MID-COURSE EXECUTION ACCURACY

SGT 3085.1 SGR 3444.1 SG3 98.5
 RRT -.9395 RRF .9905 RTF -.9777
 SGB 4623.8 R23 -.0166 R13 .9999
 SG1 4554.2 SG2 799.4 TMA 131.65

ORBIT DETERMINATION ACCURACY

ST 3019.3 SR 3073.6 SS 2143.3
 CRT -.9938 CRS -.9989 CST .9979
 LSA 4806.2 MSA 240.6 SSA .7
 EL1 4301.8 EL2 240.1 ALF 134.49

LAUNCH DATE APR 24 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 430.073

RL 150.44 LAL -.00 LOL 213.14 VL 27.303 GAL 5.09 AZL 4.22 MCA 182.33 SMA 130.25 ECC .17803 INC85.7738 V1 29.617
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.840 GAP -3.34 AZP 175.78 TAL 155.22 TAP 337.54 RCA 107.07 APO 153.44 V2 34.990
 RC 64.367 GL 44.42 GP -48.09 ZAL 87.11 ZAP 87.77 ETS 173.66 ZAE 61.80 ETE 50.21 ZAC 69.48 ETC 122.07 CLP 86.67

PLANETOCENTRIC CONIC

C31501.676 VML 38.751 DLA 60.28 RAL 150.57 RAD 6573.2 VEL 40.286 PTH 3.56 VMP 50.738 DPA -68.85 RAP 323.41 ECC25.7138
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 34.27 20 27 25 5056.06 1.27 241.15 61.31 29.73 21 51 41 4456.1 -5.67 237.59
 145.73 6 6 23 3384.78 1.28 103.96 61.29 29.73 7 2 48 2784.8 -5.66 100.40
 34.27 20 27 25 5056.06 1.27 241.15 61.31 29.73 21 51 41 4456.1 -5.67 237.59
 145.73 6 6 23 3384.78 1.28 103.96 61.29 29.73 7 2 48 2784.8 -5.66 100.40
 34.27 20 27 25 5056.06 1.27 241.15 61.31 29.73 21 51 41 4456.1 -5.67 237.59
 145.73 6 6 23 3384.78 1.28 103.96 61.29 29.73 7 2 48 2784.8 -5.66 100.40

DIFFERENTIAL CORRECTIONS

TDE-7.3651 TRA-2.8890 TC3 -.1511 BAU 6.0007
 RDE-7.6450 RRA-8.2125 RC3 -.2579 FAU-.11237
 FDE 2.0316 FRA 2.0403 FC3 .0648 BSP 10656
 BDE10.6156 BRA 8.7058 BC3 .2989 FSP -212

MID-COURSE EXECUTION ACCURACY

SGT 1816.6 SGR 3357.4 SG3 72.9
 RRT .9317 RRF -.9998 RTF -.9387
 SGB 3817.4 R23 -.0609 R13 -.9981
 SG1 3771.9 SG2 587.4 TMA 62.52

ORBIT DETERMINATION ACCURACY

ST 1119.8 SR 1349.5 SS 1542.3
 CRT .9416 CRS .9995 CST .9514
 LSA 2313.4 MSA 319.3 SSA .7
 EL1 1728.7 EL2 294.3 ALF 50.64

LAUNCH DATE APR 24 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 434.792

RL 150.44 LAL -.00 LOL 213.14 VL 27.326 GAL 5.34 AZL 57.11 HCA 184.01 SMA 130.41 ECC .17899 INC32.8925 V1 29.617
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.868 GAP -3.29 AZP 122.83 TAL 154.02 TAP 338.03 RCA 107.07 APO 153.76 V2 35.003
 RC 66.356 GL 64.40 GP -78.09 ZAL 82.72 ZAP 85.05 ETS 139.28 ZAE 89.24 ETE 23.38 ZAC 92.78 ETC 89.38 CLP 65.26

PLANETOCENTRIC CONIC

C3 268.428 VHL 16.384 OLA 69.63 RAL 197.55 RAD 6571.6 VEL 19.742 PTH 3.12 VHP 22.400 DPA -77.39 RAP 93.82 ECC 5.4176
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 23.30 23 9 27 4972.34 -6.50 244.71 105.14 20.51 24 32 19 4372.3 -13.99 242.25
 156.70 9 39 13 3221.48 -6.50 95.12 105.12 20.51 10 32 54 2621.5 -13.98 92.65
 23.30 23 9 27 4972.34 -6.50 244.71 105.14 20.51 24 32 19 4372.3 -13.99 242.25
 156.70 9 39 13 3221.48 -6.50 95.12 105.12 20.51 10 32 54 2621.5 -13.98 92.65
 23.30 23 9 27 4972.34 -6.50 244.71 105.14 20.51 24 32 19 4372.3 -13.99 242.25
 156.70 9 39 13 3221.48 -6.50 95.12 105.12 20.51 10 32 54 2621.5 -13.98 92.65

DIFFERENTIAL CORRECTIONS

TOE 1.2296 TRA-3.8410 TC3 -.2233 BAU 1.0034
 ROE 2.7998 RRA-2.7120 RC3 -.1683 FAU-.01932
 FDE -.6461 FRA 1.1149 FC3 .0623 BSP 15034
 BDE 3.0579 BRA 4.7019 BC3 .2796 FSP -314

MID-COURSE EXECUTION ACCURACY

SGT 3950.3 SGR 2946.7 SG3 100.3
 RRT .9737 RRF -.9896 RTF -.9962
 SGB 4928.3 R23 -.0047 R13 -.9999
 SG1 4898.4 SG2 541.7 TMA 36.51

ORBIT DETERMINATION ACCURACY

ST 1234.9 SR 1275.5 SS 783.7
 CRT .8680 CRS .9602 CST .9722
 LSA 1886.2 MSA 456.3 SSA .7
 EL1 1715.8 EL2 455.8 ALF 46.07

LAUNCH DATE APR 24 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 440.888

RL 150.44 LAL -.00 LOL 213.14 VL 27.345 GAL 5.36 AZL 72.80 HCA 186.88 SMA 130.55 ECC .17813 INC17.1989 V1 29.617
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.895 GAP -2.90 AZP 107.08 TAL 153.74 TAP 340.62 RCA 107.30 APO 153.81 V2 35.016
 RC 68.382 GL 62.64 GP -82.10 ZAL 76.69 ZAP 82.55 ETS 60.32 ZAE 101.90 ETE 307.58 ZAC 100.81 ETC 16.34 CLP -19.47

PLANETOCENTRIC CONIC

C3 82.166 VHL 9.065 OLA 63.80 RAL 201.70 RAD 6569.6 VEL 14.266 PTH 2.60 VHP 12.945 DPA -66.11 RAP 117.31 ECC 2.3522
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 30.10 23 41 18 4736.70 -19.17 234.44 101.87 27.87 25 0 14 4136.7 -26.19 230.70
 149.90 9 40 28 3030.50 -19.16 92.33 101.84 27.87 10 30 58 2430.5 -26.18 88.59
 30.10 23 41 18 4736.70 -19.17 234.44 101.87 27.87 25 0 14 4136.7 -26.19 230.70
 149.90 9 40 28 3030.50 -19.16 92.33 101.84 27.87 10 30 58 2430.5 -26.18 88.59
 30.10 23 41 18 4736.70 -19.17 234.44 101.87 27.87 25 0 14 4136.7 -26.19 230.70
 149.90 9 40 28 3030.50 -19.16 92.33 101.84 27.87 10 30 58 2430.5 -26.18 88.59

DIFFERENTIAL CORRECTIONS

TOE 2.2256 TRA-2.2963 TC3 -.0509 BAU .0965
 ROE -.7945 RRA 2.4936 RC3 -.0716 FAU .00300
 FDE -.8431 FRA 1.2976 FC3 -.0316 BSP 15832
 BDE 2.3632 BRA 3.3899 BC3 .0879 FSP -533

MID-COURSE EXECUTION ACCURACY

SGT 3576.7 SGR 3607.0 SG3 167.0
 RRT -.9633 RRF .9903 RJF -.9907
 SGB 5079.7 R23 .0027 R13 .9997
 SG1 5032.9 SG2 687.9 TMA 134.75

ORBIT DETERMINATION ACCURACY

ST 1718.0 SR 1182.8 SS 862.4
 CRT -.8674 CRS -.9478 CST .9808
 LSA 2200.9 MSA 500.2 SSA 1.6
 EL1 2025.1 EL2 499.3 ALF 146.89

LAUNCH DATE APR 24 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 447.213

RL 150.44 LAL -.00 LOL 213.14 VL 27.362 GAL 5.35 AZL 79.09 HCA 189.95 SMA 130.67 ECC .17717 INC10.9061 V1 29.617
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.919 GAP -2.45 AZP 100.75 TAL 153.61 TAP 343.56 RCA 107.52 APO 153.82 V2 35.029
 RC 70.443 GL 55.51 GP -75.68 ZAL 70.53 ZAP 81.31 ETS 35.97 ZAE 109.95 ETE 285.92 ZAC 104.98 ETC 358.06 CLP -52.36

PLANETOCENTRIC CONIC

C3 39.109 VHL 6.254 OLA 56.74 RAL 195.15 RAD 6568.5 VEL 12.668 PTH 2.30 VHP 9.178 DPA -58.48 RAP 124.92 ECC 1.6436
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 38.53 23 36 24 4516.91 -27.71 219.74 85.02 38.28 24 51 41 3916.9 -33.86 214.20
 141.47 8 53 7 2888.48 -27.69 87.95 85.00 38.27 9 41 15 2288.5 -33.85 82.41
 38.53 23 36 24 4516.91 -27.71 219.74 85.02 38.28 24 51 41 3916.9 -33.86 214.20
 141.47 8 53 7 2888.48 -27.69 87.95 85.00 38.27 9 41 15 2288.5 -33.85 82.41
 38.53 23 36 24 4516.91 -27.71 219.74 85.02 38.28 24 51 41 3916.9 -33.86 214.20
 141.47 8 53 7 2888.48 -27.69 87.95 85.00 38.27 9 41 15 2288.5 -33.85 82.41

DIFFERENTIAL CORRECTIONS

TOE 1.0239 TRA -.9818 TC3 .0126 BAU .2800
 ROE -.8014 RRA 2.7550 RC3 -.5354 FAU .01764
 FDE -.7189 FRA 1.7808 FC3 -.3904 BSP 15903
 BDE 1.3003 BRA 2.9247 BC3 .5355 FSP -855

MID-COURSE EXECUTION ACCURACY

SGT 1889.5 SGR 4708.5 SG3 266.6
 RRT -.9271 RRF .9981 RTF -.9441
 SGB 5073.4 R23 .0001 R13 .9994
 SG1 5029.9 SG2 663.1 TMA 110.78

ORBIT DETERMINATION ACCURACY

ST 1059.3 SR 1563.9 SS 879.7
 CRT -.8258 CRS -.9892 CST .8995
 LSA 2019.2 MSA 514.5 SSA 2.5
 EL1 1817.7 EL2 514.0 ALF 122.09

LAUNCH DATE APR 24 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 453.594

RL 150.44 LAL -.00 LOL 213.14 VL 27.375 GAL 5.34 AZL 82.42 HCA 193.09 SMA 130.76 ECC .17638 INC 7.5817 V1 29.617
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.941 GAP -2.00 AZP 97.39 TAL 153.50 TAP 346.59 RCA 107.70 APO 153.83 V2 35.042
 RC 72.534 GL 47.23 GP -69.71 ZAL 64.86 ZAP 81.36 ETS 24.95 ZAE 116.07 ETE 277.02 ZAC 108.05 ETC 352.86 CLP -64.33

PLANETOCENTRIC CONIC

C3 24.002 VHL 4.899 OLA 49.25 RAL 188.65 RAD 6568.0 VEL 12.057 PTH 2.16 VHP 7.241 DPA -52.36 RAP 128.80 ECC 1.3950
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 47.86 23 38 16 4332.87 -30.52 203.15 68.13 49.27 24 50 28 3732.9 -35.53 196.12
 132.14 7 59 22 2828.10 -30.51 84.79 68.11 49.26 8 46 30 2228.1 -35.52 77.76
 47.86 23 38 16 4332.87 -30.52 203.15 68.13 49.27 24 50 28 3732.9 -35.53 196.12
 132.14 7 59 22 2828.10 -30.51 84.79 68.11 49.26 8 46 30 2228.1 -35.52 77.76
 47.86 23 38 16 4332.87 -30.52 203.15 68.13 49.27 24 50 28 3732.9 -35.53 196.12
 132.14 7 59 22 2828.10 -30.51 84.79 68.11 49.26 8 46 30 2228.1 -35.52 77.76

DIFFERENTIAL CORRECTIONS

TOE .5853 TRA -.4759 TC3 -.0741 BAU .3607
 ROE -.5541 RRA 2.6328 RC3 -1.1216 FAU .03169
 FDE -.6680 FRA 2.3914 FC3 -1.1431 BSP 15739
 BDE .8059 BRA 2.6755 BC3 1.1240 FSP -1248

MID-COURSE EXECUTION ACCURACY

SGT 1095.8 SGR 4886.2 SG3 388.5
 RRT -.8191 RRF .9988 RTF -.8334
 SGB 5007.6 R23 .0035 R13 .9991
 SG1 4969.3 SG2 618.2 TMA 100.57

ORBIT DETERMINATION ACCURACY

ST 730.7 SR 1556.7 SS 941.2
 CRT -.7081 CRS -.9932 CST .7854
 LSA 1898.9 MSA 487.1 SSA 3.5
 EL1 1649.2 EL2 487.0 ALF 110.23

LAUNCH DATE APR 24 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC
 RL 150.44 LAL -1.00 LOL 213.14 VL 27.386 GAL 5.34 AZL 84.47 MCA 196.26 SMA 130.84 ECC .17581 INC 5.5289 V1 29.617
 RP 108.10 LAP -1.55 LOP 49.32 VP 37.961 GAP -1.54 A7P 95.31 TAL 153.38 TAP 349.64 RCA 107.84 APO 153.85 V2 35.056
 RC 74.652 GL 39.10 GP -64.58 ZAL 60.00 ZAP 82.56 ETS 17.11 ZAE 121.01 ETE 270.50 ZAC 110.76 ETC 350.49 CLP -72.45

PLANETOCENTRIC CONIC
 C3 17.356 VML 4.166 OLA 41.88 RAL 183.51 RAD 6567.7 VEL 11.779 PTH 2.08 VMP 6.088 OPA -47.06 RAP 130.88 ECC 1.2856
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.75 23 54 45 4159.82 -29.42 186.17 54.56 58.73 25 4 5 3559.8 -33.32 178.40
 122.25 7 1 53 2846.40 -29.41 85.56 54.55 58.72 7 49 19 2246.4 -33.31 77.79
 57.75 23 54 45 4159.82 -29.42 186.17 54.56 58.73 25 4 5 3559.8 -33.32 178.40
 122.25 7 1 53 2846.40 -29.41 85.56 54.55 58.72 7 49 19 2246.4 -33.31 77.79
 57.75 23 54 45 4159.82 -29.42 186.17 54.56 58.73 25 4 5 3559.8 -33.32 178.40
 122.25 7 1 53 2846.40 -29.41 85.56 54.55 58.72 7 49 19 2246.4 -33.31 77.79

DIFFERENTIAL CORRECTIONS
 TOE .3801 TRA -1.1411 TC3 -2.2888 BAU .3956 SGT 631.8 SGR 4871.7 SG3 522.3 ST 528.6 SR 1523.7 SS 1039.6
 RDE -.4576 RRA 2.5030 RC3-1.6804 FAU .04568 RRT -.3891 RRF .9988 RTF -.4050 CRT -.5428 CRS -.9935 CST .6345
 FDE -.7382 FRA 3.0582 FC3-2.2785 BSP 15475 SGB 4912.3 R23 .0117 R13 .9989 LSA 1868.1 MSA 438.2 SSA 4.6
 BOE .5949 BRA 2.5070 BC3 1.7051 FSP -1684 SG1 4878.0 SG2 581.2 THA 92.93 EL1 1552.9 EL2 435.6 ALF 101.59

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 24 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC
 RL 150.44 LAL -1.00 LOL 213.14 VL 27.395 GAL 5.35 AZL 85.87 MCA 199.44 SMA 130.90 ECC .17548 INC 4.1311 V1 29.617
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.979 GAP -1.09 A7P 93.90 TAL 153.25 TAP 352.69 RCA 107.93 APO 153.87 V2 35.069
 RC 76.795 GL 31.64 GP -60.05 ZAL 56.10 ZAP 84.74 ETS 10.62 ZAE 125.07 ETE 264.79 ZAC 113.37 ETC 349.08 CLP -79.42

PLANETOCENTRIC CONIC
 C3 14.030 VML 3.746 OLA 35.05 RAL 179.60 RAD 6567.6 VEL 11.637 PTH 2.04 VMP 5.341 OPA -42.26 RAP 131.89 ECC 1.2309
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 68.43 0 35 57 3958.78 -26.36 167.77 44.67 66.02 1 41 56 3358.8 -29.37 159.80
 111.57 5 53 25 2951.36 -26.35 92.39 44.66 66.01 6 42 36 2351.4 -29.36 84.42
 68.43 0 35 57 3958.78 -26.36 167.77 44.67 66.02 1 41 56 3358.8 -29.37 159.80
 111.57 5 53 25 2951.36 -26.35 92.39 44.66 66.01 6 42 36 2351.4 -29.36 84.42
 68.43 0 35 57 3958.78 -26.36 167.77 44.67 66.02 1 41 56 3358.8 -29.37 159.80
 111.57 5 53 25 2951.36 -26.35 92.39 44.66 66.01 6 42 36 2351.4 -29.36 84.42

DIFFERENTIAL CORRECTIONS
 TOE .2462 TRA .1441 TC3 -.6121 BAU .4123 SGT 651.6 SGR 4765.4 SG3 658.7 ST 385.4 SR 1497.3 SS 1163.6
 RDE -.4446 RRA 2.3782 RC3-2.1113 FAU .05901 RRT -.5363 RRF .9987 RTF .5237 CRT -.2562 CRS -.9930 CST .3683
 FDE -.9168 FRA 3.7355 FC3-3.6411 BSP 15122 SGB 4809.7 R23 .0226 R13 .9985 LSA 1896.8 MSA 382.8 SSA 5.7
 BOE .5083 BRA 2.3826 BC3 2.1982 FSP -2128 SG1 4778.3 SG2 548.5 THA 85.75 EL1 1500.8 EL2 371.7 ALF 94.02

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 24 1967

FLIGHT TIME 178.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC
 RL 150.44 LAL -1.00 LOL 213.14 VL 27.401 GAL 5.38 AZL 86.89 MCA 202.63 SMA 130.94 ECC .17539 INC 3.1136 V1 29.617
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.995 GAP -1.64 A7P 92.87 TAL 153.09 TAP 355.72 RCA 107.98 APO 153.91 V2 35.082
 RC 78.958 GL 25.05 GP -55.94 ZAL 53.10 ZAP 87.71 ETS 4.99 ZAE 128.38 ETE 258.12 ZAC 115.98 ETC 348.14 CLP -85.91

PLANETOCENTRIC CONIC
 C3 12.247 VML 3.500 OLA 28.94 RAL 176.63 RAD 6567.5 VEL 11.560 PTH 2.02 VMP 4.834 OPA -37.81 RAP 132.21 ECC 1.2016
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.78 2 11 17 3592.45 -22.62 138.48 37.74 71.46 3 11 9 2992.5 -24.95 130.53
 96.22 3 54 21 3258.96 -22.61 114.03 37.73 71.44 4 48 40 2659.0 -24.93 106.08
 100.00 5 27 34 2959.63 -27.20 93.34 39.16 77.09 6 16 53 2359.6 -28.70 84.86
 100.00 3 20 46 3367.01 -18.18 120.15 35.89 65.86 4 16 53 2767.0 -21.29 112.74
 110.00 7 54 3 2500.96 -33.91 59.73 40.36 85.39 8 35 44 1901.0 -34.17 50.50
 110.00 3 10 46 3398.45 -12.19 119.21 32.57 57.82 4 7 24 2798.5 -16.36 112.57

DIFFERENTIAL CORRECTIONS
 TOE .1307 TRA .4109 TC3-1.0089 BAU .4222 SGT 1065.5 SGR 4592.5 SG3 788.7 ST 315.3 SR 1475.8 SS 1306.1
 RDE -.4642 RRA 2.2523 RC3-2.3729 FAU .07104 RRT .8683 RRF .9985 RTF .8609 CRT .2791 CRS -.9924 CST -.1593
 FDE -1.1772 FRA 4.3859 FC3-5.0221 BSP 14740 SGB 4714.4 R23 .0349 R13 .9980 LSA 1968.4 MSA 329.6 SSA 6.8
 BOE .4822 BRA 2.2895 BC3 2.5785 FSP -2551 SG1 4685.9 SG2 518.0 THA 78.47 EL1 1478.5 EL2 302.2 ALF 86.44

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 24 1967

FLIGHT TIME 180.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC
 RL 150.44 LAL -1.00 LOL 213.14 VL 27.404 GAL 5.41 AZL 87.66 MCA 205.83 SMA 130.97 ECC .17554 INC 2.3360 V1 29.617
 RP 107.98 LAP -1.02 LOP 58.95 VP 38.010 GAP -1.19 A7P 92.10 TAL 152.90 TAP 358.74 RCA 107.98 APO 153.96 V2 35.094
 RC 81.139 GL 19.34 GP -52.12 ZAL 50.85 ZAP 91.29 ETS .07 ZAE 130.99 ETE 251.57 ZAC 118.60 ETC 347.55 CLP -92.10

PLANETOCENTRIC CONIC
 C3 11.273 VML 3.358 OLA 23.59 RAL 174.35 RAD 6567.4 VEL 11.518 PTH 2.01 VMP 4.483 OPA -33.60 RAP 132.10 ECC 1.1855
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 16 49 2931.25 -28.25 91.42 34.43 88.00 6 5 41 2331.3 -28.23 82.75
 90.00 0 30 38 3885.46 -9.94 154.25 29.50 63.35 1 35 24 3285.5 -13.44 147.32
 100.00 6 56 56 2608.48 -29.89 67.70 34.46 90.23 7 40 24 2008.5 -29.54 58.91
 100.00 1 33 13 3683.45 -8.49 138.63 28.73 61.23 2 34 36 3083.5 -12.26 131.88
 110.00 8 42 44 2277.45 -33.77 42.32 34.22 95.66 9 20 42 1677.4 -32.61 33.28
 110.00 2 3 53 3587.26 -5.17 129.32 26.70 56.16 3 3 41 2987.3 -9.58 123.00

DIFFERENTIAL CORRECTIONS
 TOE .0153 TRA .6879 TC3-1.4347 BAU .4328 SGT 1573.3 SGR 4364.5 SG3 904.4 ST 375.1 SR 1453.0 SS 1460.5
 RDE -.4935 RRA 2.1177 RC3-2.4877 FAU .08177 RRT .9453 RRF .9983 RTF .9399 CRT .7721 CRS -.9920 CST -.6861
 FDE -1.4974 FRA 4.9590 FC3-6.2798 BSP 14490 SGB 4639.5 R23 .0478 R13 .9972 LSA 2074.5 MSA 285.2 SSA 8.0
 BOE .4937 BRA 2.2205 BC3 2.8718 FSP -2948 SG1 4614.0 SG2 485.5 THA 70.96 EL1 1482.3 EL2 233.7 ALF 78.44

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 24 1967

FLIGHT TIME 182.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 485.473

RL 150.44 LAL -.00 LOL 213.14 VL 27.406 GAL 5.47 AZL 88.28 MCA 209.04 SMA 130.98 ECC .17593 INC 1.7190 VI 29.617
 RP 107.94 LAP -.83 LOP 62.17 VP 38.023 GAP .26 AZP 91.50 TAL 152.69 TAP 1.73 RCA 107.94 APO 154.02 V2 35.107
 RC 83.336 GL 14.44 GP -48.50 ZAL 49.19 ZAP 95.32 ETS 355.79 ZAE 132.93 ETE 244.82 ZAC 121.18 ETC 347.32 CLP -98.04

PLANETOCENTRIC CONIC

C3 10.767 VHL 3.281 DLA 18.95 RAL 172.59 RAD 6567.4 VEL 11.496 PTH 2.00 VHP 4.242 DPA -29.61 RAP 131.74 ECC 1.1772
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 7 51 2711.53 -27.73 75.39 30.28 96.00 6 53 2 2111.5 -26.60 66.91
 90.00 23 21 41 4086.30 -3.62 165.63 25.43 61.90 24 29 48 3486.3 -7.36 158.94
 100.00 7 40 47 2411.81 -28.95 53.18 30.11 97.80 8 20 59 1811.8 -27.57 44.65
 100.00 0 35 22 3861.25 -2.55 148.49 24.83 60.21 1 39 43 3261.2 -6.49 141.93
 110.00 9 14 12 2119.57 -32.06 30.34 29.46 102.56 9 49 31 1519.6 -30.00 21.73
 110.00 1 18 26 3726.26 .13 136.58 25.16 55.82 2 20 33 3126.3 -4.35 130.37

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1073 TRA .9165 TC3-1.8567 BAU .4443 SGT 2093.5 SGR 4095.4 SG3 999.7 ST 542.3 SR 1419.3 SS 1614.8
 RDE -.5158 RRA 1.9785 RC3-2.4656 FAU .09024 RRT .9705 RRF .9979 RTF .9660 CRT .9442 CRS -.9917 CST -.8942
 FDE -1.8390 FRA 5.4404 FC3-7.2562 BSP 14319 SGB 4599.4 R23 .0597 R13 .9962 LSA 2203.0 MSA 250.6 SSA 9.1
 BDE .5269 BRA 2.1805 BC3 3.0865 FSP -3283 SG1 4577.2 SG2 451.5 TMA 63.33 EL1 1510.1 EL2 167.8 ALF 69.90

LAUNCH DATE APR 24 1967

FLIGHT TIME 184.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 491.806

RL 150.44 LAL -.00 LOL 213.14 VL 27.405 GAL 5.53 AZL 88.78 MCA 212.25 SMA 130.98 ECC .17656 INC 1.2150 VI 29.617
 RP 107.91 LAP -.65 LOP 65.38 VP 38.034 GAP .70 AZP 91.03 TAL 152.44 TAP 4.69 RCA 107.85 APO 154.10 V2 35.119
 RC 85.546 GL 10.26 GP -45.06 ZAL 47.95 ZAP 99.64 ETS 352.11 ZAE 134.21 ETE 238.02 ZAC 123.66 ETC 347.46 CLP -103.71

PLANETOCENTRIC CONIC

C3 10.554 VHL 3.249 DLA 14.94 RAL 171.25 RAD 6567.4 VEL 11.487 PTH 2.00 VHP 4.084 DPA -25.81 RAP 131.25 ECC 1.1737
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 41 57 2556.48 -26.13 64.33 27.12 101.32 7 24 34 1956.5 -24.31 56.14
 90.00 22 36 49 4233.23 1.11 173.83 23.00 61.70 23 47 23 3633.2 -2.68 167.20
 100.00 8 11 23 2268.09 -27.18 42.87 26.87 102.95 8 49 11 1668.1 -25.12 34.67
 100.00 23 50 .5 3996.86 2.05 155.94 22.47 60.17 24 56 42 3396.9 -1.94 149.41
 110.00 9 37 40 1998.09 -29.92 21.52 26.02 107.37 10 10 58 1398.1 -27.25 13.35
 110.00 0 44 13 3839.62 4.46 142.51 20.97 56.07 1 48 12 3239.6 -.03 136.29

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2387 TRA 1.1555 TC3-2.2492 BAU .4588 SGT 2600.3 SGR 3798.1 SG3 1070.4 ST 761.3 SR 1370.3 SS 1760.2
 RDE -.5273 RRA 1.8361 RC3-2.3482 FAU .09634 RRT .9812 RRF .9974 RTF .9772 CRT .9871 CRS -.9912 CST -.9574
 FDE -2.1776 FRA 5.8072 FC3-7.9026 BSP 14297 SGB 4602.9 R23 .0692 R13 .9951 LSA 2346.2 MSA 225.2 SSA 10.1
 BDE .5788 BRA 2.1694 BC3 3.2516 FSP -3546 SG1 4584.1 SG2 416.1 TMA 55.79 EL1 1563.9 EL2 106.9 ALF 61.11

LAUNCH DATE APR 24 1967

FLIGHT TIME 186.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 498.120

RL 150.44 LAL -.00 LOL 213.14 VL 27.403 GAL 5.61 AZL 89.21 MCA 215.47 SMA 130.96 ECC .17743 INC .7929 VI 29.617
 RP 107.87 LAP -.46 LOP 68.60 VP 38.043 GAP 1.15 AZP 90.65 TAL 152.17 TAP 7.63 RCA 107.73 APO 154.20 V2 35.131
 RC 87.767 GL 6.68 GP -41.79 ZAL 47.00 ZAP 104.11 ETS 348.98 ZAE 134.89 ETE 231.39 ZAC 125.98 ETC 347.99 CLP -109.09

PLANETOCENTRIC CONIC

C3 10.541 VHL 3.247 DLA 11.47 RAL 170.22 RAD 6567.4 VEL 11.486 PTH 2.00 VHP 3.990 DPA -22.21 RAP 130.74 ECC 1.1735
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 8 1 2436.74 -24.27 56.06 24.88 105.06 7 48 38 1836.7 -21.96 48.15
 90.00 22 2 35 4352.46 4.94 180.50 21.58 62.08 23 15 7 3752.5 1.17 173.86
 100.00 8 35 9 2155.71 -25.22 35.09 24.58 106.60 9 11 5 1555.7 -22.71 27.20
 100.00 23 18 8 4108.72 5.82 162.10 21.10 60.63 24 26 36 3508.7 1.86 155.55
 110.00 9 56 31 1901.13 -27.76 14.80 23.62 110.80 10 28 12 1301.1 -24.67 6.99
 110.00 0 17 11 3936.07 8.10 147.60 19.70 56.68 1 22 47 3336.1 3.66 141.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.3774 TRA 1.3848 TC3-2.5925 BAU .4762 SGT 3081.6 SGR 3485.7 SG3 1114.7 ST 1002.9 SR 1303.6 SS 1887.9
 RDE -.5254 RRA 1.6944 RC3-2.1672 FAU .09984 RRT .9864 RRF .9967 RTF .9828 CRT .9978 CRS -.9904 CST -.9793
 FDE -2.4869 FRA 6.0536 FC3-8.2005 BSP 14414 SGB 4652.5 R23 .0747 R13 .9939 LSA 2495.2 MSA 208.0 SSA 11.0
 BDE .6469 BRA 2.1883 BC3 3.3790 FSP -3723 SG1 4636.9 SG2 380.6 TMA 48.57 EL1 1643.9 EL2 53.1 ALF 52.44

LAUNCH DATE APR 24 1967

FLIGHT TIME 188.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 504.415

RL 150.44 LAL -.00 LOL 213.14 VL 27.399 GAL 5.71 AZL 89.57 MCA 218.68 SMA 130.93 ECC .17853 INC .4322 VI 29.617
 RP 107.83 LAP -.27 LOP 71.82 VP 38.051 GAP 1.59 AZP 90.34 TAL 151.86 TAP 10.54 RCA 107.56 APO 154.31 V2 35.143
 RC 89.996 GL 3.61 GP -38.68 ZAL 46.25 ZAP 108.62 ETS 346.36 ZAE 135.02 ETE 225.14 ZAC 128.07 ETC 348.88 CLP -114.14

PLANETOCENTRIC CONIC

C3 10.673 VHL 3.267 DLA 8.46 RAL 169.46 RAD 6567.4 VEL 11.492 PTH 2.00 VHP 3.950 DPA -18.83 RAP 130.28 ECC 1.1756
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 29 19 2340.53 -22.41 49.62 23.38 107.77 8 8 19 1740.5 -19.77 41.94
 90.00 21 35 11 4453.73 8.13 186.23 20.86 62.78 22 49 25 3853.7 4.42 179.52
 100.00 8 54 45 2064.95 -23.32 29.02 23.05 109.25 9 29 10 1464.9 -20.48 21.38
 100.00 22 52 26 4204.55 8.98 167.46 20.41 61.37 24 2 30 3604.5 5.09 160.83
 110.00 10 12 21 1822.11 -25.73 9.55 22.01 113.32 10 42 43 1222.1 -22.35 2.03
 110.00 23 51 19 4020.15 11.21 152.13 19.07 57.49 24 58 19 3420.2 6.84 145.76

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.5206 TRA 1.6056 TC3-2.8727 BAU .4950 SGT 3530.1 SGR 3170.8 SG3 1133.2 ST 1251.5 SR 1219.6 SS 1990.2
 RDE -.5094 RRA 1.5589 RC3-1.9452 FAU .10049 RRT .9890 RRF .9958 RTF .9858 CRT .9999 CRS -.9891 CST -.9884
 FDE -2.7425 FRA 6.1915 FC3-8.1511 BSP 14627 SGB 4745.1 R23 .0753 R13 .9929 LSA 2641.1 MSA 196.9 SSA 11.7
 BDE .7284 BRA 2.2379 BC3 3.4694 FSP -3798 SG1 4732.2 SG2 349.3 TMA 41.90 EL1 1747.4 EL2 12.5 ALF 44.26

LAUNCH DATE APR 24 1967

FLIGHT TIME 190.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 510.689

RL 150.44 LAL -.00 LOL 213.14 VL 27.394 GAL 5.82 AZL 89.88 MCA 221.91 SMA 130.89 ECC .17987 INC .1170 V1 29.617
 RP 107.80 LAP -.08 LOP 75.04 VP 38.057 GAP 2.04 AZP 90.09 TAL 151.52 TAP 13.42 RCA 107.35 APO 154.44 V2 35.154
 RC 92.232 GL .98 GP -35.76 ZAL 45.62 ZAP 113.06 ETS 344.18 ZAE 134.70 ETE 219.43 ZAC 129.86 ETC 350.10 CLP-118.86

PLANETOCENTRIC CONIC

C3 10.919 VML 3.304 DLA 5.83 RAL 168.91 RAD 6567.4 VEL 11.503 PTH 2.00 VMP 3.953 DPA -15.69 RAP 129.93 ECC 1.1797
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 47 27 2261.53 -20.68 44.48 22.45 109.79 8 25 8 1661.5 -17.80 36.99
 90.00 21 12 41 4542.06 10.84 191.31 20.66 63.68 22 28 23 3942.1 7.22 184.50
 100.00 9 11 33 1990.25 -21.56 24.17 22.09 111.22 9 44 43 1390.3 -18.49 16.73
 100.00 22 31 16 4288.56 11.68 172.23 20.23 62.29 23 42 44 3688.6 7.88 165.50
 110.00 10 26 7 1756.88 -23.91 5.36 21.00 115.19 10 55 24 1156.9 -20.31 358.06
 110.00 23 33 11 4094.70 13.90 156.22 18.93 58.45 24 41 26 3494.7 9.63 149.73

DIFFERENTIAL CORRECTIONS

TDE -.6688 TRA 1.8155 TC3-3.0955 BAU .5171
 RDE -.4860 RRA 1.4288 RC3-1.7215 FAU .09934
 FDE-2.9537 FRA 6.2173 FC3-7.8762 BSP 15033
 BDE .8267 BRA 2.3103 BC3 3.5420 FSP -3814

MID-COURSE EXECUTION ACCURACY

SGT 3942.4 SGR 2864.6 SG3 1129.0
 RRT .9904 RRF .9944 RTF .9876
 SGB 4873.2 R23 .0706 R13 .9921
 SG1 4862.6 SG2 321.6 TMA 35.92

ORBIT DETERMINATION ACCURACY

ST 1499.8 SR 1126.7 SS 2072.6
 CRT .9992 CRS -.9873 CST -.9927
 LSA 2788.9 MSA 1488.7 SSA 12.2
 EL1 1875.6 EL2 36.6 ALF 36.91

LAUNCH DATE APR 24 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 516.942

RL 150.44 LAL -.00 LOL 213.14 VL 27.386 GAL 5.94 AZL 90.16 MCA 225.13 SMA 130.84 ECC .18145 INC .1572 V1 29.617
 RP 107.77 LAP .11 LOP 78.27 VP 38.062 GAP 2.48 AZP 89.89 TAL 151.14 TAP 16.27 RCA 107.10 APO 154.58 V2 35.165
 RC 94.474 GL -1.28 GP -33.03 ZAL 45.07 ZAP 117.37 ETS 342.37 ZAE 134.03 ETE 214.36 ZAC 131.33 ETC 351.59 CLP-123.25

PLANETOCENTRIC CONIC

C3 11.262 VML 3.356 DLA 3.53 RAL 168.54 RAD 6567.4 VEL 11.517 PTH 2.01 VMP 3.993 DPA -12.80 RAP 129.72 ECC 1.1853
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 3 21 2195.76 -19.11 40.29 21.98 111.30 8 39 57 1595.8 -16.04 32.96
 90.00 20 53 52 4620.55 13.17 195.90 20.87 64.71 22 10 53 4020.6 9.66 188.98
 100.00 9 26 21 1928.06 -19.98 20.23 21.60 112.71 9 58 29 1328.1 -16.73 12.95
 100.00 22 13 34 4363.48 14.01 176.57 20.44 63.32 23 26 17 3763.5 10.32 169.73
 110.00 10 38 23 1702.61 -22.29 1.98 20.46 116.61 11 6 46 1102.6 -18.54 354.85
 110.00 23 18 1 4161.69 16.25 159.99 19.18 59.51 24 27 23 3561.7 12.09 153.36

DIFFERENTIAL CORRECTIONS

TDE -.8195 TRA 2.0185 TC3-3.2592 BAU .5404
 RDE -.4551 RRA 1.3083 RC3-1.5032 FAU .09640
 FDE-3.1081 FRA 6.1569 FC3-7.4108 BSP 15552
 BDE .9374 BRA 2.4037 BC3 3.5891 FSP -3765

MID-COURSE EXECUTION ACCURACY

SGT 4317.5 SGR 2574.8 SG3 1105.8
 RRT .9907 RRF .9926 RTF .9886
 SGB 5027.0 R23 .0610 R13 .9915
 SG1 5017.9 SG2 301.5 TMA 30.70

ORBIT DETERMINATION ACCURACY

ST 1741.5 SR 1027.3 SS 2131.5
 CRT .9971 CRS -.9846 CST -.9949
 LSA 2931.9 MSA 187.6 SSA 12.6
 EL1 2020.8 EL2 67.4 ALF 30.50

LAUNCH DATE APR 24 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 523.172

RL 150.44 LAL -.00 LOL 213.14 VL 27.378 GAL 6.09 AZL 90.41 MCA 228.36 SMA 130.78 ECC .18326 INC .14046 V1 29.617
 RP 107.73 LAP .30 LOP 81.49 VP 38.066 GAP 2.93 AZP 89.73 TAL 150.74 TAP 19.10 RCA 106.82 APO 154.75 V2 35.175
 RC 96.719 GL -3.23 GP -30.51 ZAL 44.54 ZAP 121.49 ETS 340.88 ZAE 133.13 ETE 209.95 ZAC 132.46 ETC 353.27 CLP-127.33

PLANETOCENTRIC CONIC

C3 11.691 VML 3.419 DLA 1.51 RAL 168.34 RAD 6567.4 VEL 11.536 PTH 2.01 VMP 4.065 DPA -10.18 RAP 129.68 ECC 1.1924
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 17 37 2140.56 -17.71 36.85 21.88 112.47 8 53 17 1540.6 -14.51 29.63
 90.00 20 37 57 4691.30 15.19 200.11 21.39 65.81 21 56 9 4091.3 11.80 193.08
 100.00 9 39 39 1875.92 -18.57 17.00 21.49 113.85 10 10 55 1275.9 -15.19 9.84
 100.00 21 58 36 4431.17 16.04 180.57 20.98 64.44 23 12 27 3831.2 12.47 173.60
 110.00 10 49 30 1657.29 -20.88 359.21 20.30 117.70 11 17 8 1057.3 -17.01 352.23
 110.00 23 5 14 4222.57 18.32 163.50 19.74 60.62 24 15 37 3622.6 14.27 156.73

DIFFERENTIAL CORRECTIONS

TDE -.9712 TRA 2.2110 TC3-3.3654 BAU .5638
 RDE -.4189 RRA 1.1991 RC3-1.2989 FAU .09203
 FDE-3.2075 FRA 6.0326 FC3-6.8146 BSP 16122
 BDE 1.0577 BRA 2.5152 BC3 3.6073 FSP -3660

MID-COURSE EXECUTION ACCURACY

SGT 4656.3 SGR 2306.9 SG3 1068.2
 RRT .9902 RRF .9902 RTF .9892
 SGB 5196.5 R23 .0479 R13 .9909
 SG1 5188.4 SG2 289.5 TMA 26.22

ORBIT DETERMINATION ACCURACY

ST 1972.2 SR 925.7 SS 2168.3
 CRT .9939 CRS -.9809 CST -.9963
 LSA 3068.1 MSA 186.6 SSA 12.9
 EL1 2176.7 EL2 92.5 ALF 25.06

LAUNCH DATE APR 24 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 529.379

RL 150.44 LAL -.00 LOL 213.14 VL 27.368 GAL 6.24 AZL 90.63 MCA 231.58 SMA 130.71 ECC .18533 INC .16287 V1 29.617
 RP 107.70 LAP .49 LOP 84.72 VP 38.068 GAP 3.37 AZP 89.61 TAL 150.30 TAP 21.89 RCA 106.49 APO 154.94 V2 35.185
 RC 98.967 GL -4.90 GP -28.20 ZAL 44.04 ZAP 125.40 ETS 339.63 ZAE 132.07 ETE 206.17 ZAC 133.24 ETC 355.06 CLP-131.09

PLANETOCENTRIC CONIC

C3 12.202 VML 3.493 DLA -.29 RAL 168.26 RAD 6567.5 VEL 11.558 PTH 2.02 VMP 4.164 DPA -7.83 RAP 129.80 ECC 1.2008
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 30 36 2094.05 -16.47 33.99 22.08 113.36 9 5 30 1494.1 -13.17 26.87
 90.00 20 24 24 4755.79 16.95 204.03 22.18 66.97 21 43 39 4155.8 13.69 196.87
 100.00 9 51 48 1832.10 -17.35 14.32 21.67 114.73 10 22 20 1232.1 -13.87 7.26
 100.00 21 45 52 4492.98 17.82 184.30 21.77 65.60 23 0 45 3893.0 14.38 177.20
 110.00 10 59 45 1619.43 -19.67 356.95 20.44 118.54 11 26 44 1019.4 -15.71 350.07
 110.00 22 54 25 4278.41 20.15 166.79 20.55 61.79 24 5 44 3678.4 16.23 159.87

DIFFERENTIAL CORRECTIONS

TDE -1.1233 TRA 2.4005 TC3-3.4221 BAU .5871
 RDE -.3794 RRA 1.1015 RC3-1.1151 FAU .08672
 FDE-3.2580 FRA 5.8633 FC3-6.1531 BSP 16742
 BDE 1.1856 BRA 2.6412 BC3 3.5992 FSP -3517

MID-COURSE EXECUTION ACCURACY

SGT 4961.3 SGR 2063.7 SG3 1020.6
 RRT .9888 RRF .9867 RTF .9895
 SGB 5373.4 R23 .0333 R13 .9905
 SG1 5365.8 SG2 285.2 TMA 22.42

ORBIT DETERMINATION ACCURACY

ST 2189.8 SR 825.7 SS 2185.5
 CRT .9893 CRS -.9756 CST -.9971
 LSA 3196.6 MSA 186.8 SSA 13.1
 EL1 2337.5 EL2 112.8 ALF 20.51

LAUNCH DATE APR 24 1967 FLIGHT TIME 198.00 ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC
 RL 150.44 LAL -.00 LOL 213.14 VL 27.357 GAL 6.42 AZL 90.83 MCA 234.82 SMA 130.64 ECC .18764 INC .8337 V1 29.617
 RP 107.67 LAP .68 LOP 87.95 VP 38.069 GAP 3.83 AZP 89.52 TAL 149.84 TAP 24.66 RCA 106.12 APO 155.15 V2 35.195
 RC 101.218 GL -6.35 GP -26.09 ZAL 43.52 ZAP 129.08 ETS 338.58 ZAE 130.93 ETE 202.98 ZAC 133.68 ETC 356.89 CLP-134.58

PLANETOCENTRIC CONIC
 C3 12.793 VHL 3.577 DLA -1.88 RAL 168.31 RAD 6567.5 VEL 11.584 PTH 2.03 VHP 4.287 DPA -5.73 RAP 130.11 ECC 1.2105
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 42 34 2054.86 -15.40 31.61 22.54 114.06 9 16 49 1454.9 -12.02 24.57
 90.00 20 12 47 4815.16 18.49 207.70 23.19 68.17 21 33 2 4215.2 15.37 200.42
 100.00 10 3 2 1795.28 -16.28 12.10 22.12 115.42 10 32 57 1195.3 -12.73 5.12
 100.00 21 35 0 4549.97 19.39 187.81 22.79 66.79 22 50 50 3950.0 16.08 180.57
 110.00 11 9 17 1587.92 -18.63 355.09 20.84 119.19 11 35 44 987.9 -14.60 348.30
 110.00 22 45 15 4330.09 21.79 169.92 21.59 62.98 23 57 25 3730.1 17.99 162.84

DIFFERENTIAL CORRECTIONS
 TOE-1.2726 TRA 2.5899 TC3-3.4259 BAU .6080 SGT 5235.8 SGR 1845.6 SG3 966.3 ORBIT DETERMINATION ACCURACY
 RDE -.3371 RRA 1.0164 RC3 -.9489 FAU .08044 RRT .9862 RRF .9822 RTF .9896 ST 2389.9 SR 728.6 SS 2182.4
 FDE-3.2594 FRA 5.6723 FC3-5.4439 BSP 17299 SGB 5549.7 R23 .0195 R13 .9901 CRT .9825 CRS -.9678 CST -.9977
 BDE 1.3165 BRA 2.7822 BC3 3.5549 FSP -3331 SGI 5542.2 SG2 288.1 TMA 19.23 LSA 3312.1 MSA 188.1 SSA 13.3
 EL1 2495.2 EL2 129.9 ALF 16.72

LAUNCH DATE APR 24 1967 FLIGHT TIME 200.00 ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC
 RL 150.44 LAL -.00 LOL 213.14 VL 27.345 GAL 6.61 AZL 91.02 MCA 238.05 SMA 130.55 ECC .19021 INC 1.0229 V1 29.617
 RP 107.65 LAP .87 LOP 91.18 VP 38.068 GAP 4.28 AZP 89.46 TAL 149.35 TAP 27.39 RCA 105.72 APO 155.38 V2 35.204
 RC 103.470 GL -7.59 GP -24.18 ZAL 43.00 ZAP 132.52 ETS 337.67 ZAE 129.77 ETE 200.29 ZAC 133.81 ETC 358.69 CLP-137.81

PLANETOCENTRIC CONIC
 C3 13.467 VHL 3.670 DLA -3.29 RAL 168.46 RAD 6567.5 VEL 11.613 PTH 2.03 VHP 4.431 DPA -3.88 RAP 130.59 ECC 1.2216
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 53 42 2021.94 -14.48 29.64 23.22 114.60 9 27 24 1421.9 -11.04 22.65
 90.00 20 2 50 4870.25 19.85 211.17 24.39 69.38 21 24 1 4270.2 16.87 203.77
 100.00 10 13 30 1764.50 -15.37 10.27 22.78 115.95 10 42 55 1164.5 -11.76 3.34
 100.00 21 25 43 4602.92 20.77 191.13 24.01 68.01 22 42 26 4002.9 17.61 183.77
 110.00 11 18 13 1561.91 -17.76 353.58 21.46 119.70 11 44 15 961.9 -13.68 346.85
 110.00 22 37 29 4378.28 23.24 172.89 22.83 64.20 23 50 28 3778.3 19.58 163.67

DIFFERENTIAL CORRECTIONS
 TOE-1.4244 TRA 2.7752 TC3-3.4007 BAU .6294 SGT 5478.4 SGR 1652.7 SG3 909.3 ORBIT DETERMINATION ACCURACY
 RDE -.2962 RRA .9407 RC3 -.8097 FAU .07433 RRT .9826 RRF .9764 RTF .9896 ST 2578.1 SR 639.5 SS 2170.3
 FDE-3.2385 FRA 5.4589 FC3-4.7786 BSP 17930 SGB 5722.2 R23 .0066 R13 .9898 CRT .9731 CRS -.9573 CST -.9981
 BDE 1.4548 BRA 2.9303 BC3 3.4958 FSP -3150 SGI 5714.7 SG2 293.9 TMA 16.56 LSA 3424.9 MSA 189.7 SSA 13.4
 EL1 2652.4 EL2 143.1 ALF 13.61

LAUNCH DATE APR 24 1967 FLIGHT TIME 202.00 ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC
 RL 150.44 LAL -.00 LOL 213.14 VL 27.331 GAL 6.83 AZL 91.20 MCA 241.28 SMA 130.46 ECC .19305 INC 1.1994 V1 29.617
 RP 107.62 LAP 1.05 LOP 94.42 VP 38.066 GAP 4.74 AZP 89.42 TAL 148.83 TAP 30.11 RCA 105.27 APO 155.64 V2 35.212
 RC 105.723 GL -8.66 GP -22.46 ZAL 42.46 ZAP 135.74 ETS 336.85 ZAE 128.62 ETE 198.04 ZAC 133.66 ETC .41 CLP-140.80

PLANETOCENTRIC CONIC
 C3 14.226 VHL 3.772 DLA -4.56 RAL 168.70 RAD 6567.6 VEL 11.645 PTH 2.04 VHP 4.594 DPA -2.27 RAP 131.23 ECC 1.2341
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 4 8 1994.51 -13.69 28.01 24.08 115.03 9 37 22 1394.5 -10.21 21.06
 90.00 19 54 18 4921.75 21.05 214.47 25.77 70.61 21 16 20 4321.7 18.21 206.95
 100.00 10 23 20 1739.01 -14.61 8.76 23.63 116.37 10 52 19 1139.0 -10.95 1.89
 100.00 21 17 47 4652.48 22.00 194.30 25.40 69.24 22 35 20 4052.5 18.98 186.80
 110.00 11 26 40 1540.72 -17.05 352.36 22.27 120.09 11 52 21 940.7 -12.92 345.68
 110.00 22 30 57 4423.53 24.56 175.76 24.24 65.44 23 44 40 3823.5 21.03 168.38

DIFFERENTIAL CORRECTIONS
 TOE-1.5755 TRA 2.9618 TC3-3.3428 BAU .6492 SGT 5697.1 SGR 1482.8 SG3 851.4 ORBIT DETERMINATION ACCURACY
 RDE -.2555 RRA .8748 RC3 -.6900 FAU .06814 RRT .9776 RRF .9690 RTF .9894 ST 2750.8 SR 557.5 SS 2146.8
 FDE-3.1914 FRA 5.2418 FC3-4.1467 BSP 18531 SGB 5886.9 R23 -.0044 R13 .9894 CRT .9595 CRS -.9423 CST -.9984
 BDE 1.5961 BRA 3.0883 BC3 3.4132 FSP -2962 SGI 5879.2 SG2 302.7 TMA 14.31 LSA 3528.4 MSA 191.5 SSA 13.4
 EL1 2802.5 EL2 154.1 ALF 11.04

LAUNCH DATE APR 24 1967 FLIGHT TIME 204.00 ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC
 RL 150.44 LAL -.00 LOL 213.14 VL 27.317 GAL 7.06 AZL 91.37 MCA 244.52 SMA 130.36 ECC .19617 INC 1.3653 V1 29.617
 RP 107.60 LAP 1.23 LOP 97.65 VP 38.063 GAP 5.21 AZP 89.41 TAL 148.28 TAP 32.80 RCA 104.78 APO 155.93 V2 35.220
 RC 107.975 GL -9.58 GP -20.91 ZAL 41.89 ZAP 138.74 ETS 336.10 ZAE 127.50 ETE 196.15 ZAC 133.25 ETC 2.01 CLP-143.58

PLANETOCENTRIC CONIC
 C3 15.079 VHL 3.883 DLA -5.69 RAL 169.01 RAD 6567.6 VEL 11.682 PTH 2.05 VHP 4.774 DPA -.87 RAP 132.03 ECC 1.2482
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 13 57 1971.93 -13.04 26.67 25.12 115.36 9 46 49 1371.9 -9.52 19.76
 90.00 19 47 1 4970.20 22.11 217.63 27.30 71.85 21 9 51 4370.2 19.42 209.99
 100.00 10 32 36 1718.20 -13.98 7.54 24.65 116.69 11 1 15 1118.2 -10.28 .70
 100.00 21 11 3 4699.16 23.10 197.33 26.94 70.48 22 29 22 4099.2 20.23 189.71
 110.00 11 34 41 1523.83 -16.47 351.39 23.24 120.39 12 0 5 923.8 -12.31 344.75
 110.00 22 25 27 4466.30 25.74 178.52 25.80 66.69 23 39 54 3866.3 22.36 170.99

DIFFERENTIAL CORRECTIONS
 TOE-1.7263 TRA 3.1512 TC3-3.2576 BAU .6673 SGT 5892.5 SGR 1334.1 SG3 794.3 ORBIT DETERMINATION ACCURACY
 RDE -.2157 RRA .8177 RC3 -.5880 FAU .06205 RRT .9707 RRF .9597 RTF .9892 ST 2908.4 SR 483.5 SS 2114.5
 FDE-3.1256 FRA 5.0284 FC3-3.5626 BSP 19097 SGB 6041.7 R23 -.0133 R13 .9891 CRT .9398 CRS -.9209 CST -.9986
 BDE 1.7397 BRA 3.2556 BC3 3.3102 FSP -2771 SGI 6033.6 SG2 312.9 TMA 12.43 LSA 3623.0 MSA 193.5 SSA 13.5
 EL1 2943.8 EL2 163.3 ALF 8.91

LAUNCH DATE APR 24 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 560.015

RL 150.44 LAL -.00 LOL 213.14 VL 27.302 GAL 7.31 AZL 91.52 MCA 247.76 SMA 130.25 ECC .19958 INC 1.5226 VI 29.617
 RP 107.58 LAP 1.41 LOP 100.89 VP 38.059 GAP 5.69 AZP 89.42 TAL 147.71 TAP 35.47 RCA 104.25 APO 156.25 V2 35.227
 RC 110.226 GL -10.35 GP -19.51 ZAL 41.31 ZAP 141.53 ETS 335.37 ZAE 126.45 ETE 194.56 ZAC 132.62 ETC 3.48 CLP-146.17

PLANETOCENTRIC CONIC

C3 16.031 VML 4.004 DLA -6.70 RAL 169.40 RAD 6567.6 VEL 11.722 PTH 2.07 VMP 4.970 DPA .33 RAP 132.97 ECC 1.2638
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 23 15 1953.72 -12.50 25.60 26.30 115.61 9 55 48 1353.7 -8.96 18.72
 90.00 19 40 49 5016.05 23.05 220.66 28.97 73.08 21 4 25 4416.1 20.52 212.91
 100.00 10 41 23 1701.62 -13.47 6.57 25.81 116.94 11 9 45 1101.6 -9.75 359.76
 100.00 21 5 21 4743.39 24.07 200.26 28.62 71.72 22 24 24 4143.4 21.35 192.52
 110.00 11 42 20 1510.82 -16.02 350.65 24.36 120.61 12 7 31 910.8 -11.84 344.04
 110.00 22 20 54 4506.95 26.81 181.19 27.51 67.95 23 36 1 3907.0 23.57 173.52

DIFFERENTIAL CORRECTIONS

TOE-1.8772 TRA 3.3449 TC3-3.1503 BAU .6837
 RDE -.1771 RRA .7681 RC3 -.5013 FAU .05617
 FDE-3.0475 FRA 4.8229 FC3-3.0336 BSP 19631
 BDE 1.8856 BRA 3.4320 BC3 3.1900 FSP -2586

MID-COURSE EXECUTION ACCURACY

SGT 6067.0 SGR 1204.2 SG3 739.3
 RRT .9618 RRF .9483 RTF .9889
 SGB 6185.3 R23 -.0204 R13 .9888
 SG1 6176.9 SG2 323.6 THA 10.84

ORBIT DETERMINATION ACCURACY

ST 3051.7 SR 417.8 SS 2076.0
 CRT .9110 CRS -.8902 CST -.9988
 LSA 3709.3 MSA 195.4 SSA 13.5
 EL1 3075.4 EL2 170.9 ALF 7.13

LAUNCH DATE APR 24 1967

FLIGHT TIME 208.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 566.050

RL 150.44 LAL -.00 LOL 213.14 VL 27.286 GAL 7.58 AZL 91.67 MCA 251.00 SMA 130.14 ECC .20330 INC 1.6728 VI 29.617
 RP 107.56 LAP 1.58 LOP 104.13 VP 38.053 GAP 6.17 AZP 89.46 TAL 147.11 TAP 38.11 RCA 103.68 APO 156.60 V2 35.233
 RC 112.475 GL -11.01 GP -18.26 ZAL 40.70 ZAP 144.15 ETS 334.64 ZAE 125.45 ETE 193.23 ZAC 131.79 ETC 4.79 CLP-148.59

PLANETOCENTRIC CONIC

C3 17.093 VML 4.134 DLA -7.61 RAL 169.85 RAD 6567.7 VEL 11.768 PTH 2.08 VMP 5.182 DPA 1.34 RAP 134.04 ECC 1.2813
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 32 3 1939.49 -12.08 24.77 27.61 115.80 10 4 23 1339.5 -8.52 17.90
 90.00 19 35 34 5059.68 23.89 223.39 30.76 74.32 20 59 54 4459.7 21.50 215.72
 100.00 10 49 44 1688.87 -13.07 5.83 27.11 117.12 11 17 53 1088.9 -9.33 359.04
 100.00 21 0 34 4785.52 24.94 203.08 30.42 72.97 22 20 20 4185.5 22.38 195.23
 110.00 11 49 38 1501.35 -15.69 350.11 25.62 120.77 12 14 39 901.3 -11.49 343.52
 110.00 22 17 10 4545.81 27.77 183.80 29.34 69.22 23 32 56 3945.8 24.69 175.99

DIFFERENTIAL CORRECTIONS

TOE-2.0259 TRA 3.5473 TC3-3.0191 BAU .6968
 RDE -.1391 RRA .7255 RC3 -.4263 FAU .05037
 FDE-2.9563 FRA 4.6326 FC3-2.5511 BSP 20060
 BDE 2.0307 BRA 3.6208 BC3 3.0491 FSP -2398

MID-COURSE EXECUTION ACCURACY

SGT 6222.0 SGR 1091.1 SG3 686.8
 RRT .9505 RRF .9344 RTF .9886
 SGB 6316.9 R23 -.0255 R13 .9884
 SG1 6308.1 SG2 334.5 THA 9.49

ORBIT DETERMINATION ACCURACY

ST 3178.4 SR 360.4 SS 2030.3
 CRT .8685 CRS -.8455 CST -.9990
 LSA 3783.5 MSA 197.5 SSA 13.6
 EL1 3193.8 EL2 177.8 ALF 5.64

LAUNCH DATE APR 24 1967

FLIGHT TIME 210.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 572.049

RL 150.44 LAL -.00 LOL 213.14 VL 27.269 GAL 7.88 AZL 91.82 MCA 254.24 SMA 130.02 ECC .20734 INC 1.8174 VI 29.617
 RP 107.54 LAP 1.75 LOP 107.37 VP 38.046 GAP 6.67 AZP 89.51 TAL 146.50 TAP 40.74 RCA 103.06 APO 156.98 V2 35.239
 RC 114.720 GL -11.56 GP -17.13 ZAL 40.07 ZAP 146.59 ETS 333.89 ZAE 124.52 ETE 192.10 ZAC 130.80 ETC 5.96 CLP-150.86

PLANETOCENTRIC CONIC

C3 18.277 VML 4.275 DLA -8.42 RAL 170.35 RAD 6567.7 VEL 11.818 PTH 2.09 VMP 5.409 DPA 2.19 RAP 135.22 ECC 1.3008
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 40 25 1928.92 -11.77 24.15 29.05 115.94 10 12 34 1328.9 -8.19 17.30
 90.00 19 31 11 5101.37 24.62 226.42 32.67 75.56 20 56 13 4501.4 22.40 218.46
 100.00 10 57 41 1679.67 -12.79 5.30 28.53 117.25 11 25 40 1079.7 -9.03 358.52
 100.00 20 56 37 4825.84 25.72 205.83 32.35 74.22 22 17 3 4225.8 25.31 197.86
 110.00 11 56 37 1495.14 -15.47 349.76 26.99 120.87 12 21 32 895.1 -11.26 343.18
 110.00 22 14 10 4583.14 28.65 186.35 31.30 70.50 23 30 33 3983.1 25.72 178.40

DIFFERENTIAL CORRECTIONS

TOE-2.1791 TRA 3.7537 TC3-2.8821 BAU .7099
 RDE -.1034 RRA .6878 RC3 -.3644 FAU .04518
 FDE-2.8677 FRA 4.4499 FC3-2.1398 BSP 20538
 BDE 2.1816 BRA 3.8161 BC3 2.9051 FSP -2233

MID-COURSE EXECUTION ACCURACY

SGT 6361.1 SGR 992.3 SG3 637.6
 RRT .9365 RRF .9177 RTF .9882
 SGB 6438.0 R23 -.0299 R13 .9880
 SG1 6428.8 SG2 344.3 THA 8.34

ORBIT DETERMINATION ACCURACY

ST 3295.7 SR 312.1 SS 1985.0
 CRT .8085 CRS -.7832 CST -.9991
 LSA 3854.8 MSA 199.2 SSA 13.6
 EL1 3305.4 EL2 183.1 ALF 4.39

LAUNCH DATE APR 24 1967

FLIGHT TIME 212.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 578.009

RL 150.44 LAL -.00 LOL 213.14 VL 27.252 GAL 8.20 AZL 91.96 MCA 257.48 SMA 129.90 ECC .21173 INC 1.9574 VI 29.617
 RP 107.52 LAP 1.91 LOP 110.61 VP 38.039 GAP 7.18 AZP 89.58 TAL 145.87 TAP 43.35 RCA 102.40 APO 157.40 V2 35.244
 RC 116.961 GL -12.01 GP -16.12 ZAL 39.42 ZAP 148.87 ETS 333.09 ZAE 123.65 ETE 191.14 ZAC 129.66 ETC 6.99 CLP-153.00

PLANETOCENTRIC CONIC

C3 19.597 VML 4.427 DLA -9.15 RAL 170.89 RAD 6567.8 VEL 11.873 PTH 2.11 VMP 5.650 DPA 2.88 RAP 136.51 ECC 1.3225
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 48 22 1921.74 -11.56 23.73 30.59 116.03 10 20 24 1321.7 -7.96 16.89
 90.00 19 27 35 5141.39 25.27 229.17 34.69 76.79 20 53 16 4541.4 25.21 221.11
 100.00 11 5 14 1673.76 -12.60 4.96 30.06 117.33 11 33 8 1073.8 -8.84 358.19
 100.00 20 53 24 4864.61 26.41 208.50 34.38 75.46 22 14 29 4264.6 24.15 200.43
 110.00 12 3 17 1491.97 -15.36 349.58 28.47 120.92 12 28 9 892.0 -11.15 343.01
 110.00 22 11 50 4619.16 29.44 188.86 33.37 71.79 23 28 49 4019.2 26.67 180.77

DIFFERENTIAL CORRECTIONS

TOE-2.3334 TRA 3.9690 TC3-2.7332 BAU .7207
 RDE -.0687 RRA .6548 RC3 -.3115 FAU .04029
 FDE-2.7768 FRA 4.2812 FC3-1.7801 BSP 20968
 BDE 2.3344 BRA 4.0227 BC3 2.7509 FSP -2077

MID-COURSE EXECUTION ACCURACY

SGT 6484.6 SGR 906.0 SG3 591.7
 RRT .9196 RRF .8981 RTF .9879
 SGB 6547.6 R23 -.0333 R13 .9877
 SG1 6558.1 SG2 353.1 THA 7.34

ORBIT DETERMINATION ACCURACY

ST 3400.4 SR 272.6 SS 1937.5
 CRT .7242 CRS -.6966 CST -.9992
 LSA 3918.0 MSA 200.8 SSA 13.5
 EL1 3406.2 EL2 187.7 ALF 5.33

LAUNCH DATE APR 24 1967

FLIGHT TIME 214.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 583.925

RL 150.44 LAL -0.00 LOL 213.14 VL 27.234 GAL 8.54 AZL 92.09 MCA 260.72 SMA 129.78 ECC .21648 INC 2.0940 V1 29.617
 RP 107.51 LAP 2.07 LOP 113.86 VP 38.030 GAP 7.70 AZP 89.66 TAL 145.22 TAP 45.94 RCA 101.68 APO 157.87 V2 35.248
 RC 119.197 GL -12.38 GP -15.21 ZAL 38.76 ZAP 151.01 ETS 332.22 ZAE 122.85 ETE 190.32 ZAC 128.39 ETC 7.89 CLP-155.02

PLANETOCENTRIC CONIC

C3 21.070 VHL 4.590 DLA -9.81 RAL 171.47 RAD 6567.9 VEL 11.935 PTH 2.12 VMP 5.906 DPA 3.44 RAP 137.90 ECC 1.3468
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 55 55 1917.76 -11.44 23.50 32.24 116.08 10 27 53 1317.8 -7.84 16.67
 90.00 19 24 41 5179.96 25.85 231.85 36.80 78.01 20 51 1 4580.0 23.94 223.70
 100.00 11 12 25 1670.93 -12.51 4.80 31.68 117.37 11 40 16 1070.9 -8.75 358.03
 100.00 20 50 51 4902.02 27.02 211.11 36.50 76.71 22 12 33 4302.0 24.92 202.94
 110.00 12 9 41 1491.64 -15.35 349.56 30.05 120.92 12 34 32 891.6 -11.14 342.99
 110.00 22 10 5 4654.08 30.16 191.32 35.54 73.08 23 27 39 4054.1 27.55 183.10

DIFFERENTIAL CORRECTIONS

TDE-2.4901 TRA 4.1947 TC3-2.5767 BAU .7297
 RDE -.0352 RRA .6255 RC3 -.2664 FAU .03575
 FDE-2.6866 FRA 4.1264 FC3-1.4690 BSP 21364
 BDE 2.4903 BRA 4.2411 BC3 2.5904 FSP -1930

MID-COURSE EXECUTION ACCURACY

SGT 6594.7 SGR 830.4 SG3 549.1
 RRT .8994 RRF .8752 RTF .9875
 SGB 6646.8 R23 -.0357 R13 .9873
 SG1 6637.0 SG2 360.8 TMA 6.48

ORBIT DETERMINATION ACCURACY

ST 3493.9 SR 241.8 SS 1889.2
 CRT .6105 CRS -.5810 CST -.9993
 LSA 3974.1 MSA 202.1 SSA 13.5
 EL1 3497.0 EL2 191.4 ALF 2.43

LAUNCH DATE APR 24 1967

FLIGHT TIME 216.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 589.794

RL 150.44 LAL -0.00 LOL 213.14 VL 27.215 GAL 8.91 AZL 92.23 MCA 263.97 SMA 129.65 ECC .22164 INC 2.2280 V1 29.617
 RP 107.50 LAP 2.22 LOP 117.10 VP 38.020 GAP 8.24 AZP 89.77 TAL 144.56 TAP 48.53 RCA 100.91 APO 158.38 V2 35.252
 RC 121.426 GL -12.67 GP -14.39 ZAL 38.09 ZAP 153.03 ETS 331.25 ZAE 122.10 ETE 189.61 ZAC 127.02 ETC 8.67 CLP-156.94

PLANETOCENTRIC CONIC

C3 22.714 VHL 4.766 DLA -10.39 RAL 172.09 RAD 6567.9 VEL 12.004 PTH 2.14 VMP 6.178 DPA 3.87 RAP 139.36 ECC 1.3738
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 3 5 1916.78 -11.41 23.44 33.97 116.09 10 35 2 1316.8 -7.81 16.61
 90.00 19 22 24 5217.26 26.35 234.47 39.00 79.23 20 49 22 4617.3 24.60 226.24
 100.00 11 19 16 1671.01 -12.52 4.80 33.40 117.37 11 47 7 1071.0 -8.75 358.03
 100.00 20 48 55 4938.26 27.56 213.67 38.73 77.95 22 11 13 4338.3 25.63 205.41
 110.00 12 15 47 1494.00 -15.43 349.70 31.73 120.89 12 40 41 894.0 -11.22 343.12
 110.00 22 8 52 4688.04 30.80 193.76 37.81 74.39 23 27 0 4088.0 28.36 185.41

DIFFERENTIAL CORRECTIONS

TDE-2.6485 TRA 4.4322 TC3-2.4134 BAU .7361
 RDE -.0024 RRA .5994 RC3 -.2275 FAU .03149
 FDE-2.5973 FRA 3.9855 FC3-1.2004 BSP 21709
 BDE 2.6485 BRA 4.4725 BC3 2.4241 FSP -1793

MID-COURSE EXECUTION ACCURACY

SGT 6691.5 SGR 764.0 SG3 509.6
 RRT .8756 RRF .8489 RTF .9872
 SGB 6735.0 R23 -.0374 R13 .9870
 SG1 6724.9 SG2 367.2 TMA 5.73

ORBIT DETERMINATION ACCURACY

ST 3575.5 SR 219.9 SS 1840.3
 CRT .4663 CRS -.4356 CST -.9994
 LSA 4022.1 MSA 203.2 SSA 13.4
 EL1 3576.9 EL2 194.4 ALF 1.65

LAUNCH DATE APR 24 1967

FLIGHT TIME 218.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 595.611

RL 150.44 LAL -0.00 LOL 213.14 VL 27.196 GAL 9.32 AZL 92.36 MCA 267.21 SMA 129.51 ECC .22723 INC 2.3606 V1 29.617
 RP 107.49 LAP 2.36 LOP 120.35 VP 38.009 GAP 8.80 AZP 89.89 TAL 143.89 TAP 51.10 RCA 100.09 APO 158.94 V2 35.255
 RC 123.648 GL -12.89 GP -13.65 ZAL 37.40 ZAP 154.93 ETS 330.17 ZAE 121.41 ETE 189.00 ZAC 125.56 ETC 9.33 CLP-158.77

PLANETOCENTRIC CONIC

C3 24.553 VHL 4.955 DLA -10.91 RAL 172.73 RAD 6568.0 VEL 12.080 PTH 2.16 VMP 6.466 DPA 4.18 RAP 140.90 ECC 1.4041
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 9 53 1918.66 -11.46 23.55 35.79 116.07 10 41 51 1318.7 -7.87 16.72
 90.00 19 20 43 5253.45 26.78 237.03 41.29 80.45 20 48 16 4653.4 25.19 228.72
 100.00 11 25 46 1673.85 -12.60 4.96 35.21 117.33 11 53 40 1073.9 -8.84 358.19
 100.00 20 47 31 4973.49 28.04 216.18 41.03 79.19 22 10 24 4373.5 26.26 207.83
 110.00 12 21 38 1498.91 -15.60 349.97 33.49 120.81 12 46 36 898.9 -11.40 343.39
 110.00 22 8 8 4721.20 31.39 196.17 40.18 75.71 23 26 50 4121.2 29.11 187.70

DIFFERENTIAL CORRECTIONS

TDE-2.8081 TRA 4.6855 TC3-2.2430 BAU .7390
 RDE .0300 RRA .5760 RC3 -.1935 FAU .02743
 FDE-2.5084 FRA 3.8604 FC3 -.9670 BSP 21966
 BDE 2.8082 BRA 4.7208 BC3 2.2513 FSP -1660

MID-COURSE EXECUTION ACCURACY

SGT 6776.9 SGR 705.8 SG3 473.2
 RRT .8481 RRF .8192 RTF .9869
 SGB 6813.6 R23 -.0382 R13 .9867
 SG1 6803.4 SG2 372.5 TMA 5.06

ORBIT DETERMINATION ACCURACY

ST 3645.2 SR 206.5 SS 1790.6
 CRT .2982 CRS -.2674 CST -.9994
 LSA 4061.3 MSA 204.1 SSA 13.3
 EL1 3645.7 EL2 197.1 ALF .97

LAUNCH DATE APR 24 1967

FLIGHT TIME 220.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 601.370

RL 150.44 LAL -0.00 LOL 213.14 VL 27.176 GAL 9.75 AZL 92.49 MCA 270.46 SMA 129.38 ECC .23328 INC 2.4924 V1 29.617
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.996 GAP 9.38 AZP 90.02 TAL 143.21 TAP 53.67 RCA 99.20 APO 159.56 V2 35.257
 RC 125.861 GL -13.05 GP -12.98 ZAL 36.71 ZAP 156.72 ETS 328.95 ZAE 120.76 ETE 188.47 ZAC 124.02 ETC 9.91 CLP-160.51

PLANETOCENTRIC CONIC

C3 26.615 VHL 5.159 DLA -11.37 RAL 173.39 RAD 6568.1 VEL 12.165 PTH 2.18 VMP 6.771 DPA 4.39 RAP 142.50 ECC 1.4380
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 16 18 1923.27 -11.60 23.82 37.69 116.01 10 48 22 1323.3 -8.01 16.98
 90.00 19 19 32 5288.65 27.16 239.54 43.65 81.65 20 47 41 4688.7 25.72 231.16
 100.00 11 31 55 1679.34 -12.78 5.28 37.09 117.26 11 59 54 1079.3 -9.02 358.50
 100.00 20 46 37 5007.82 28.45 218.65 43.42 80.43 22 10 5 4407.8 26.84 210.22
 110.00 12 27 11 1506.25 -15.86 350.39 35.33 120.69 12 52 17 906.3 -11.67 343.79
 110.00 22 7 50 4753.67 31.91 198.55 42.62 77.03 23 27 4 4153.7 29.80 189.98

DIFFERENTIAL CORRECTIONS

TDE-2.9751 TRA 4.9494 TC3-2.0768 BAU .7413
 RDE .0614 RRA .5540 RC3 -.1648 FAU .02382
 FDE-2.4272 FRA 3.7442 FC3 -.7748 BSP 22274
 BDE 2.9757 BRA 4.9803 BC3 2.0834 FSP -1545

MID-COURSE EXECUTION ACCURACY

SGT 6851.8 SGR 653.8 SG3 439.7
 RRT .8166 RRF .7857 RTF .9866
 SGB 6882.9 R23 -.0388 R13 .9865
 SG1 6872.6 SG2 376.3 TMA 4.47

ORBIT DETERMINATION ACCURACY

ST 3708.2 SR 200.3 SS 1744.0
 CRT .1235 CRS -.0936 CST -.9995
 LSA 4097.7 MSA 204.5 SSA 13.2
 EL1 3708.3 EL2 198.8 ALF .38

LAUNCH DATE APR 25 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 4 1967

HELIOCENTRIC CONIC

DISTANCE 125.353

RL 150.48 LAL -.00 LOL 214.11 VL 14.515 GAL 31.60 AZL 88.81 MCA 31.65 SMA 85.45 ECC .83353 INC 1.1938 V1 29.609
 RP 108.51 LAP .63 LOP 245.76 VP 29.881 GAP -54.99 AZP 88.98 TAL 172.65 TAP 204.30 MCA 14.22 APO 156.67 V2 34.923
 RC 89.824 GL .79 GP 2.45 ZAL 67.50 ZAP 35.90 ETS 186.46 ZAE 135.31 ETE 177.14 ZAC 156.87 ETC 49.65 CLP 35.83

PLANETOCENTRIC CONIC

C3 348.481 VHL 18.668 DLA 13.39 RAL 149.12 RAD 6571.9 VEL 21.675 PTH 3.22 VHP 30.480 DPA 26.83 RAP 102.77 ECC 6.7351
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 23 34 3234.97 -25.60 113.18 60.14 77.46 6 17 29 2635.0 -27.07 104.83
 90.00 20 50 47 5020.49 23.14 220.96 47.81 73.21 22 14 27 4420.5 20.62 213.19
 100.00 6 51 55 2950.06 -27.34 92.66 60.58 77.42 7 41 5 2350.1 -28.80 84.16
 100.00 22 5 7 4780.63 24.85 202.75 47.24 72.82 23 24 48 4180.6 22.26 194.91
 110.00 8 15 54 2687.28 -31.98 73.91 61.78 77.22 9 0 41 2087.3 -33.41 64.97
 110.00 22 57 38 4616.18 29.38 188.65 45.61 71.68 24 14 34 4016.2 26.59 180.57

DIFFERENTIAL CORRECTIONS

TOE .7931 TRA-2.1174 TC3 -.1041 BAU .4854
 RDE-1.3559 RRA -.6368 RC3 .0033 FAU .01153
 FDE -.2991 FRA .7115 FC3 -.0287 BSP 1907
 BDE 1.5708 BRA 2.2111 BC3 .1042 FSP -46

MID-COURSE EXECUTION ACCURACY

SGT 810.3 SGR 462.3 SG3 22.9
 RRT .0749 RRF -.0671 RTF -.6086
 SGB 932.9 R23 -.0002 R13 -.6090
 SGI 811.4 SG2 460.4 TMA 3.61

ORBIT DETERMINATION ACCURACY

ST 315.5 SR 420.5 SS 300.0
 CRT -.6725 CRS -.7129 CST .9963
 LSA 556.6 MSA 237.4 SSA 14.1
 EL1 485.2 EL2 202.4 ALF 123.29

LAUNCH DATE APR 25 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 6 1967

HELIOCENTRIC CONIC

DISTANCE 130.628

RL 150.48 LAL -.00 LOL 214.11 VL 15.343 GAL 30.07 AZL 89.23 MCA 34.83 SMA 86.83 ECC .80841 INC .7707 V1 29.609
 RP 108.55 LAP .44 LOP 248.94 VP 30.278 GAP -52.56 AZP 89.37 TAL 171.77 TAP 206.60 RCA 16.64 APO 157.03 V2 34.911
 RC 87.444 GL .57 GP 2.50 ZAL 66.13 ZAP 34.39 ETS 186.70 ZAE 135.29 ETE 176.70 ZAC 155.66 ETC 46.94 CLP 34.31

PLANETOCENTRIC CONIC

C3 318.857 VHL 17.857 DLA 12.72 RAL 150.36 RAD 6571.8 VEL 20.980 PTH 3.19 VHP 29.386 DPA 26.81 RAP 104.63 ECC 6.2476
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 34 22 3201.95 -26.06 110.88 60.40 78.52 6 27 44 2601.9 -27.39 102.46
 90.00 20 49 55 5033.77 23.40 221.85 48.54 73.58 22 13 48 4433.8 20.92 214.05
 100.00 7 2 16 2918.45 -27.79 90.42 60.80 78.51 7 50 55 2318.5 -29.09 81.86
 100.00 22 4 42 4792.50 25.08 203.56 47.99 73.18 23 24 34 4192.5 22.54 195.68
 110.00 8 25 18 2658.63 -32.39 71.78 61.88 78.42 9 9 37 2058.6 -33.65 62.77
 110.00 22 58 9 4625.09 29.56 189.27 46.40 72.00 24 15 14 4025.1 26.82 181.16

DIFFERENTIAL CORRECTIONS

TOE .8043 TRA-2.1344 TC3 -.1113 BAU .4748
 RDE-1.3089 RRA -.6315 RC3 .0042 FAU .01157
 FDE -.3156 FRA .7374 FC3 -.0314 BSP 2026
 BDE 1.5362 BRA 2.2259 BC3 .1114 FSP -50

MID-COURSE EXECUTION ACCURACY

SGT 847.1 SGR 468.8 SG3 24.7
 RRT .0791 RRF -.0713 RTF -.6271
 SGB 968.1 R23 -.0000 R13 -.6275
 SGI 848.2 SG2 466.7 TMA 3.60

ORBIT DETERMINATION ACCURACY

ST 333.3 SR 424.6 SS 316.7
 CRT -.6732 CRS -.7174 CST .9961
 LSA 576.2 MSA 243.8 SSA 14.3
 EL1 497.0 EL2 210.6 ALF 125.03

LAUNCH DATE APR 25 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 8 1967

HELIOCENTRIC CONIC

DISTANCE 136.030

RL 150.48 LAL -.00 LOL 214.11 VL 16.122 GAL 28.67 AZL 89.59 MCA 38.01 SMA 88.25 ECC .78299 INC .4106 V1 29.609
 RP 108.59 LAP .25 LOP 252.12 VP 30.668 GAP -50.26 AZP 89.68 TAL 170.88 TAP 208.89 RCA 19.15 APO 157.34 V2 34.899
 RC 85.078 GL .34 GP 2.57 ZAL 64.81 ZAP 32.90 ETS 186.96 ZAE 135.34 ETE 176.22 ZAC 154.38 ETC 44.47 CLP 32.81

PLANETOCENTRIC CONIC

C3 291.897 VHL 17.085 DLA 12.04 RAL 151.55 RAD 6571.7 VEL 20.327 PTH 3.16 VHP 28.330 DPA 26.78 RAP 106.52 ECC 5.8039
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 44 52 3168.50 -26.50 108.53 60.54 79.63 6 37 40 2568.5 -27.66 100.05
 90.00 20 48 53 5046.33 23.64 222.69 49.17 73.94 22 12 59 4446.3 21.21 214.86
 100.00 7 12 21 2886.37 -28.20 88.13 60.89 79.66 8 0 27 2286.4 -29.34 79.51
 100.00 22 4 5 4803.70 25.30 204.32 48.64 73.53 23 24 9 4203.7 22.80 196.41
 110.00 8 34 27 2629.45 -32.77 69.58 61.86 79.67 9 18 16 2029.4 -33.84 60.51
 110.00 22 58 28 4633.38 29.74 189.86 47.10 72.31 24 15 41 4033.4 27.03 181.72

DIFFERENTIAL CORRECTIONS

TOE .8150 TRA-2.1520 TC3 -.1187 BAU .4636
 RDE-1.2620 RRA -.6249 RC3 .0053 FAU .01163
 FDE -.3324 FRA .7635 FC3 -.0345 BSP 2150
 BDE 1.5023 BRA 2.2409 BC3 .1188 FSP -55

MID-COURSE EXECUTION ACCURACY

SGT 885.3 SGR 474.7 SG3 26.6
 RRT .0835 RRF -.0756 RTF -.6450
 SGB 1004.5 R23 -.0003 R13 -.6454
 SGI 886.5 SG2 472.4 TMA 3.58

ORBIT DETERMINATION ACCURACY

ST 351.9 SR 428.1 SS 333.9
 CRT -.6734 CRS -.7215 CST .9959
 LSA 596.6 MSA 249.9 SSA 14.6
 EL1 509.2 EL2 218.7 ALF 126.84

LAUNCH DATE APR 25 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 10 1967

HELIOCENTRIC CONIC

DISTANCE 141.552

RL 150.48 LAL -.00 LOL 214.11 VL 16.856 GAL 27.37 AZL 89.90 MCA 41.18 SMA 89.69 ECC .75744 INC .0972 V1 29.609
 RP 108.62 LAP .06 LOP 255.29 VP 31.047 GAP -48.09 AZP 89.93 TAL 170.00 TAP 211.18 RCA 21.75 APO 157.62 V2 34.888
 RC 82.729 GL .09 GP 2.63 ZAL 63.54 ZAP 31.44 ETS 187.25 ZAE 135.46 ETE 175.70 ZAC 153.04 ETC 42.21 CLP 31.34

PLANETOCENTRIC CONIC

C3 267.328 VHL 16.350 DLA 11.35 RAL 152.67 RAD 6571.6 VEL 19.714 PTH 3.12 VHP 27.310 DPA 26.74 RAP 108.43 ECC 5.3995
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 55 4 3134.59 -26.89 106.12 60.55 80.77 6 47 19 2534.6 -27.89 97.60
 90.00 20 47 40 5058.17 23.86 223.49 49.72 74.28 22 11 59 4458.2 21.47 215.63
 100.00 7 22 8 2853.79 -28.58 85.78 60.86 80.84 8 9 42 2253.8 -29.55 77.11
 100.00 22 3 18 4814.21 25.50 205.03 49.20 73.85 23 23 32 4214.2 23.04 197.10
 110.00 8 43 20 2599.69 -33.11 67.33 61.71 80.96 9 26 40 1999.7 -34.00 58.20
 110.00 22 58 35 4641.07 29.90 190.40 47.71 72.60 24 15 56 4041.1 27.22 182.23

DIFFERENTIAL CORRECTIONS

TOE .8256 TRA-2.1694 TC3 -.1262 BAU .4517
 RDE-1.2132 RRA -.6172 RC3 .0065 FAU .01170
 FDE -.3496 FRA .7900 FC3 -.0379 BSP 2290
 BDE 1.4692 BRA 2.2555 BC3 .1264 FSP -61

MID-COURSE EXECUTION ACCURACY

SGT 924.8 SGR 480.1 SG3 28.7
 RRT .0879 RRF -.0801 RTF -.6625
 SGB 1042.0 R23 -.0008 R13 -.6628
 SGI 926.1 SG2 477.5 TMA 3.56

ORBIT DETERMINATION ACCURACY

ST 371.4 SR 451.0 SS 351.6
 CRT -.6735 CRS -.7252 CST .9957
 LSA 617.9 MSA 255.6 SSA 14.8
 EL1 521.8 EL2 226.8 ALF 128.76

LAUNCH DATE APR 25 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 12 1967

HELIOCENTRIC CONIC

DISTANCE 147.186

RL 150.48 LAL -.00 LOL 214.11 VL 17.546 GAL 26.16 AZL 90.18 MCA 44.35 SMA 91.15 ECC .73193 INC .1754 VI 29.609
 RP 108.65 LAP -.12 LOP 258.47 VP 31.415 GAP -46.03 AZP 90.13 TAL 169.12 TAP 213.48 RCA 24.44 APO 157.87 V2 34.877
 RC 80.398 GL -.18 GP 2.71 ZAL 62.31 ZAP 30.00 ETS 187.58 ZAE 135.66 ETE 175.14 ZAC 151.64 ETC 40.15 CLP 29.88

PLANETOCENTRIC CONIC

C3 244.911 VML 15.650 DLA 10.67 RAL 153.75 RAD 6571.4 VEL 19.137 PTH 3.09 VMP 26.323 DPA 26.67 RAP 110.36 ECC 5.0306
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 5 0 3100.16 -27.24 103.66 60.44 81.96 6 56 40 2500.2 -28.07 95.10
 90.00 20 46 18 5069.31 24.06 224.24 50.17 74.60 22 10 47 4469.3 21.72 216.35
 100.00 7 31 40 2820.65 -28.91 83.37 60.71 82.06 8 18 40 2220.7 -29.71 74.66
 100.00 22 2 19 4824.05 25.69 205.71 49.67 74.16 23 22 43 4224.0 23.27 197.74
 110.00 8 51 59 2569.32 -33.41 65.01 61.43 82.31 9 34 48 1969.3 -34.11 55.84
 110.00 22 58 29 4648.14 30.04 190.90 48.21 72.86 24 15 58 4048.1 27.40 182.70

DIFFERENTIAL CORRECTIONS

TDE .8358 TRA-2.1867 TC3 -.1339 BAU .4391
 RDE-1.1687 RRA -.6083 RC3 .0080 FAU .01178
 FDE -.3672 FRA .8169 FC3 -.0416 BSP 2439
 BDE 1.4369 BRA 2.2698 BC3 .1341 FSP -66

MID-COURSE EXECUTION ACCURACY

SGT 965.9 SGR 484.8 SG3 30.9
 RRT .0924 RRF -.0848 RTF -.6794
 SGB 1080.7 R23 -.0012 R13 -.6797
 SG1 967.3 SG2 482.1 THA 3.53

ORBIT DETERMINATION ACCURACY

ST 391.8 SR 433.3 SS 369.7
 CRT -.6736 CRS -.7286 CST .9954
 LSA 640.1 MSA 260.8 SSA 15.0
 EL1 535.0 EL2 234.6 ALF 130.75

LAUNCH DATE APR 25 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 14 1967

HELIOCENTRIC CONIC

DISTANCE 152.927

RL 150.48 LAL -.00 LOL 214.11 VL 18.195 GAL 25.02 AZL 90.42 MCA 47.53 SMA 92.63 ECC .70658 INC .4210 VI 29.609
 RP 108.69 LAP -.31 LOP 261.64 VP 31.771 GAP -44.07 AZP 90.28 TAL 168.25 TAP 215.78 RCA 27.18 APO 158.08 V2 34.867
 RC 78.089 GL -.46 GP 2.79 ZAL 61.13 ZAP 28.58 ETS 187.96 ZAE 135.92 ETE 174.54 ZAC 150.19 ETC 38.26 CLP 28.45

PLANETOCENTRIC CONIC

C3 224.438 VML 14.981 DLA 9.98 RAL 154.76 RAD 6571.3 VEL 18.594 PTH 3.05 VMP 25.368 DPA 26.58 RAP 112.31 ECC 4.6937
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 14 39 3065.18 -27.55 101.15 60.20 83.18 7 5 44 2465.2 -28.21 92.55
 90.00 20 44 44 5079.75 24.25 224.95 50.53 74.91 22 9 24 4479.7 21.94 217.03
 100.00 7 40 56 2786.93 -29.21 80.91 60.42 83.33 8 27 23 2186.9 -29.82 72.16
 100.00 22 1 9 4833.22 25.86 206.33 50.05 74.45 23 21 42 4233.2 23.47 198.35
 110.00 9 0 22 2538.32 -33.67 62.62 61.02 83.70 9 42 41 1938.3 -34.17 53.42
 110.00 22 58 11 4654.60 30.17 191.36 48.63 73.10 24 15 46 4054.6 27.56 183.14

DIFFERENTIAL CORRECTIONS

TDE .8422 TRA-2.2073 TC3 -.1423 BAU .4278
 RDE-1.1226 RRA -.5985 RC3 .0096 FAU .01186
 FDE -.3847 FRA .8447 FC3 -.0457 BSP 2514
 BDE 1.4034 BRA 2.2870 BC3 .1426 FSP -72

MID-COURSE EXECUTION ACCURACY

SGT 1010.0 SGR 489.0 SG3 33.2
 RRT .0986 RRF -.0903 RTF -.6952
 SGB 1122.2 R23 -.0011 R13 -.6955
 SG1 1011.5 SG2 485.9 THA 3.55

ORBIT DETERMINATION ACCURACY

ST 412.3 SR 435.0 SS 388.1
 CRT -.6711 CRS -.7311 CST .9950
 LSA 662.4 MSA 266.1 SSA 15.2
 EL1 548.0 EL2 242.6 ALF 132.72

LAUNCH DATE APR 25 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 16 1967

HELIOCENTRIC CONIC

DISTANCE 158.766

RL 150.48 LAL -.00 LOL 214.11 VL 18.806 GAL 23.95 AZL 90.64 MCA 50.70 SMA 94.11 ECC .68150 INC .6428 VI 29.609
 RP 108.72 LAP -.50 LOP 264.81 VP 32.114 GAP -42.20 AZP 90.41 TAL 167.39 TAP 218.09 RCA 29.97 APO 158.25 V2 34.857
 RC 75.805 GL -.77 GP 2.87 ZAL 60.00 ZAP 27.18 ETS 188.38 ZAE 136.27 ETE 173.88 ZAC 148.69 ETC 36.55 CLP 27.04

PLANETOCENTRIC CONIC

C3 205.725 VML 14.343 DLA 9.28 RAL 155.72 RAD 6571.2 VEL 18.084 PTH 3.01 VMP 24.443 DPA 26.47 RAP 114.28 ECC 4.3857
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 24 3 3029.59 -27.81 98.58 59.84 84.44 7 14 33 2429.6 -28.29 89.94
 90.00 20 42 59 5089.51 24.42 225.61 50.80 75.20 22 7 48 4489.5 22.15 217.68
 100.00 7 49 57 2752.58 -29.45 78.38 60.02 84.63 8 35 49 2152.6 -29.88 69.60
 100.00 21 59 47 4841.76 26.01 206.92 50.33 74.72 23 20 29 4241.8 23.66 198.91
 110.00 9 8 32 2506.64 -33.88 60.17 60.48 85.13 9 50 19 1906.6 -34.18 50.94
 110.00 22 57 41 4660.46 30.28 191.78 48.94 73.33 24 15 21 4060.5 27.70 183.54

DIFFERENTIAL CORRECTIONS

TDE .8485 TRA-2.2270 TC3 -.1507 BAU .4158
 RDE-1.0767 RRA -.5877 RC3 .0114 FAU .01195
 FDE -.4028 FRA .8729 FC3 -.0503 BSP 2605
 BDE 1.3709 BRA 2.3032 BC3 .1512 FSP -78

MID-COURSE EXECUTION ACCURACY

SGT 1095.6 SGR 492.6 SG3 35.8
 RRT .1048 RRF -.0959 RTF -.7104
 SGB 1164.9 R23 -.0011 R13 -.7107
 SG1 1057.2 SG2 489.2 THA 3.56

ORBIT DETERMINATION ACCURACY

ST 433.8 SR 436.0 SS 407.0
 CRT -.6688 CRS -.7335 CST .9945
 LSA 685.7 MSA 271.0 SSA 15.4
 EL1 561.8 EL2 250.3 ALF 134.78

LAUNCH DATE APR 25 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 18 1967

HELIOCENTRIC CONIC

DISTANCE 164.702

RL 150.48 LAL -.00 LOL 214.11 VL 19.381 GAL 22.94 AZL 90.85 MCA 53.87 SMA 95.60 ECC .65682 INC .8449 VI 29.609
 RP 108.75 LAF -.68 LOP 267.98 VP 32.444 GAP -40.42 AZP 90.50 TAL 166.54 TAP 220.41 RCA 32.81 APO 158.39 V2 34.848
 RC 73.549 GL -1.10 GP 2.97 ZAL 58.91 ZAP 25.81 ETS 188.86 ZAE 136.69 ETE 173.17 ZAC 147.15 ETC 34.97 CLP 25.65

PLANETOCENTRIC CONIC

C3 188.630 VML 13.734 DLA 8.58 RAL 156.62 RAD 6571.0 VEL 17.605 PTH 2.98 VMP 23.548 DPA 26.35 RAP 116.26 ECC 4.1044
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 33 14 2993.35 -28.02 95.95 59.36 85.75 7 23 7 2393.3 -28.32 87.29
 90.00 20 41 2 5098.68 24.58 226.24 50.97 75.48 22 6 0 4498.7 22.34 218.28
 100.00 7 58 44 2717.55 -29.65 75.80 59.49 85.98 8 44 2 2117.6 -29.89 67.00
 100.00 21 58 12 4849.71 26.15 207.47 50.51 74.98 23 19 2 4249.7 23.83 199.44
 110.00 9 16 29 2474.26 -34.04 57.66 59.82 86.61 9 57 43 1874.3 -34.13 48.41
 110.00 22 56 57 4665.77 30.39 192.16 49.16 73.53 24 14 43 4065.8 27.83 183.90

DIFFERENTIAL CORRECTIONS

TDE .8093 TRA-2.2914 TC3 -.1689 BAU .4273
 RDE-1.0323 RRA -.5771 RC3 .0133 FAU .01180
 FDE -.4154 FRA .9075 FC3 -.0542 BSP 1622
 BDE 1.3117 BRA 2.3630 BC3 .1695 FSP -72

MID-COURSE EXECUTION ACCURACY

SGT 1124.2 SGR 496.1 SG3 38.5
 RRT .1309 RRF -.1086 RTF -.7175
 SGB 1228.8 R23 .0075 R13 -.7176
 SG1 1126.5 SG2 490.8 THA 4.08

ORBIT DETERMINATION ACCURACY

ST 445.3 SR 436.8 SS 423.1
 CRT -.6387 CRS -.7292 CST .9909
 LSA 698.7 MSA 282.3 SSA 15.9
 EL1 564.6 EL2 265.1 ALF 135.86

LAUNCH DATE APR 25 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 20 1967

HELIOCENTRIC CONIC

DISTANCE 170.715

RL 150.48 LAL -.00 LOL 214.11 VL 19.922 GAL 21.97 AZL 91.03 HCA 57.04 SMA 97.09 ECC .63253 INC 1.0315 V1 29.609
 RP 108.77 LAP -.87 LOP 271.14 VP 32.761 GAP -38.72 AZP 90.56 TAL 165.71 TAP 222.74 RCA 35.68 APO 158.50 V2 34.839
 RC 71.325 GL -1.45 GP 3.07 ZAL 57.88 ZAP 24.45 ETS 189.42 ZAE 137.19 ETE 172.40 ZAC 145.57 ETC 33.54 CLP 24.27

PLANETOCENTRIC CONIC

C3 172.933 VHL 13.150 DLA 7.88 RAL 157.47 RAD 6570.9 VEL 17.154 PTH 2.94 VMP 22.679 DPA 26.20 RAP 118.25 ECC 3.8460
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 42 8 2956.43 -28.18 93.26 58.74 87.09 7 31 24 2356.4 -28.29 84.59
 90.00 20 38 51 5107.14 24.72 226.81 51.04 75.73 22 3 58 4507.1 22.52 218.84
 100.00 8 7 16 2681.83 -29.79 73.15 58.83 87.37 8 51 58 2081.8 -29.83 64.35
 100.00 21 56 24 4856.97 26.28 207.97 50.59 75.22 23 17 21 4257.0 23.99 199.92
 110.00 9 24 11 2441.14 -34.14 55.08 59.03 88.14 10 4 52 1841.1 -34.02 45.83
 110.00 22 55 59 4670.42 30.47 192.49 49.27 73.71 24 13 49 4070.4 27.94 184.21

DIFFERENTIAL CORRECTIONS

TDE .8882 TRA-2.2355 TC3 -.1615 BAU .3751
 RDE -.9854 RRA -.5631 RC3 .0161 FAU .01238
 FDE -.4443 FRA .9273 FC3 -.0620 BSP 3495
 BDE 1.3266 BRA 2.3054 BC3 .1623 FSP -99

MID-COURSE EXECUTION ACCURACY

SGT 1138.8 SGR 497.5 SG3 41.5
 RRT .1049 RRF -.1038 RTF -.7441
 SGB 1242.7 R23 -.0077 R13 -.7445
 SGI 1140.3 SG2 494.1 TMA 3.23

ORBIT DETERMINATION ACCURACY

ST 486.7 SR 435.7 SS 448.8
 CRT -.6801 CRS -.7416 CST .9950
 LSA 743.3 MSA 274.8 SSA 15.6
 EL1 599.6 EL2 259.3 ALF 139.63

LAUNCH DATE APR 25 1967

FLIGHT TIME 88.00

ARRIVAL DATE JUL 22 1967

HELIOCENTRIC CONIC

DISTANCE 176.815

RL 150.48 LAL -.00 LOL 214.11 VL 20.432 GAL 21.05 AZL 91.20 HCA 60.20 SMA 98.57 ECC .60879 INC 1.2048 V1 29.609
 RP 108.80 LAP -1.05 LOP 274.31 VP 33.065 GAP -37.10 AZP 90.60 TAL 164.89 TAP 225.09 RCA 38.56 APO 158.58 V2 34.831
 RC 69.138 GL -1.82 GP 3.18 ZAL 56.90 ZAP 23.11 ETS 190.05 ZAE 137.78 ETE 171.55 ZAC 143.95 ETC 32.22 CLP 22.90

PLANETOCENTRIC CONIC

C3 158.598 VHL 12.594 DLA 7.16 RAL 158.26 RAD 6570.7 VEL 16.731 PTH 2.90 VMP 21.837 DPA 26.04 RAP 120.26 ECC 3.6101
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 50 50 2918.76 -28.28 90.51 58.02 88.46 7 39 29 2318.8 -28.19 81.84
 90.00 20 36 28 5115.11 24.85 227.36 51.02 75.97 22 1 43 4515.1 22.68 219.36
 100.00 8 15 36 2645.35 -29.87 70.44 58.06 88.79 8 59 42 2045.3 -29.72 61.64
 100.00 21 54 22 4863.76 26.40 208.44 50.58 75.44 23 15 26 4263.8 24.14 200.37
 110.00 9 31 41 2407.25 -34.18 52.43 58.13 89.70 10 11 48 1807.3 -33.85 43.20
 110.00 22 54 47 4674.62 30.55 192.79 49.29 73.87 24 12 42 4074.6 28.04 184.50

DIFFERENTIAL CORRECTIONS

TDE .8899 TRA-2.2560 TC3 -.1704 BAU .3635
 RDE -.9408 RRA -.5502 RC3 .0188 FAU .01252
 FDE -.4637 FRA .9577 FC3 -.0683 BSP 3533
 BDE 1.2950 BRA 2.3221 BC3 .1714 FSP -107

MID-COURSE EXECUTION ACCURACY

SGT 1190.9 SGR 499.1 SG3 44.6
 RRT .1134 RRF -.1110 RTF -.7570
 SGB 1291.3 R23 -.0073 R13 -.7574
 SGI 1192.5 SG2 495.2 TMA 3.29

ORBIT DETERMINATION ACCURACY

ST 510.3 SR 434.7 SS 469.4
 CRT -.6755 CRS -.7428 CST .9944
 LSA 769.4 MSA 278.4 SSA 15.8
 EL1 615.4 EL2 265.8 ALF 141.71

LAUNCH DATE APR 25 1967

FLIGHT TIME 90.00

ARRIVAL DATE JUL 24 1967

HELIOCENTRIC CONIC

DISTANCE 182.990

RL 150.48 LAL -.00 LOL 214.11 VL 20.911 GAL 20.18 AZL 91.37 HCA 63.37 SMA 100.04 ECC .58563 INC 1.3674 V1 29.609
 RP 108.82 LAP -1.22 LOP 277.47 VP 33.355 GAP -35.54 AZP 90.61 TAL 164.09 TAP 227.46 RCA 41.46 APO 158.63 V2 34.824
 RC 66.992 GL -2.23 GP 3.30 ZAL 55.96 ZAP 21.79 ETS 190.80 ZAE 138.46 ETE 170.61 ZAC 142.31 ETC 31.01 CLP 21.55

PLANETOCENTRIC CONIC

C3 145.472 VHL 12.061 DLA 6.44 RAL 158.99 RAD 6570.6 VEL 16.334 PTH 2.86 VMP 21.021 DPA 25.86 RAP 122.27 ECC 3.3941
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 59 20 2880.32 -28.32 87.70 57.17 89.87 7 47 20 2280.3 -28.03 79.04
 90.00 20 33 49 5122.59 24.98 227.87 50.90 76.20 21 59 12 4522.6 22.83 219.86
 100.00 8 23 44 2608.08 -29.89 67.67 57.17 90.25 9 7 12 2008.1 -29.54 58.88
 100.00 21 52 6 4870.06 26.50 208.88 50.48 75.64 23 13 16 4270.1 24.27 200.79
 110.00 9 38 59 2372.57 -34.16 49.72 57.10 91.30 10 18 32 1772.6 -33.60 40.52
 110.00 22 53 20 4678.34 30.62 193.06 49.20 74.01 24 11 18 4078.3 28.13 184.75

DIFFERENTIAL CORRECTIONS

TDE .8962 TRA-2.2702 TC3 -.1781 BAU .3489
 RDE -.8966 RRA -.5367 RC3 .0219 FAU .01271
 FDE -.4846 FRA .9882 FC3 -.0756 BSP 3699
 BDE 1.2677 BRA 2.3328 BC3 .1794 FSP -116

MID-COURSE EXECUTION ACCURACY

SGT 1242.4 SGR 500.0 SG3 48.1
 RRT .1199 RRF -.1179 RTF -.7702
 SGB 1339.3 R23 -.0081 R13 -.7706
 SGI 1244.2 SG2 495.7 TMA 3.28

ORBIT DETERMINATION ACCURACY

ST 536.1 SR 432.8 SS 491.1
 CRT -.6735 CRS -.7445 CST .9939
 LSA 798.0 MSA 280.8 SSA 16.0
 EL1 633.6 EL2 270.7 ALF 143.88

LAUNCH DATE APR 25 1967

FLIGHT TIME 92.00

ARRIVAL DATE JUL 26 1967

HELIOCENTRIC CONIC

DISTANCE 189.235

RL 150.48 LAL -.00 LOL 214.11 VL 21.362 GAL 19.34 AZL 91.52 HCA 66.53 SMA 101.50 ECC .56308 INC 1.5212 V1 29.609
 RP 108.84 LAP -1.40 LOP 280.64 VP 33.632 GAP -34.05 AZP 90.61 TAL 163.31 TAP 229.84 RCA 44.35 APO 158.65 V2 34.817
 RC 64.892 GL -2.65 GP 3.43 ZAL 55.08 ZAP 20.49 ETS 191.66 ZAE 139.22 ETE 169.59 ZAC 140.64 ETC 29.90 CLP 20.21

PLANETOCENTRIC CONIC

C3 133.454 VHL 11.552 DLA 5.71 RAL 159.67 RAD 6570.4 VEL 15.962 PTH 2.82 VMP 20.230 DPA 25.67 RAP 124.29 ECC 3.1963
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 7 38 2841.06 -28.29 84.82 56.22 91.31 7 54 59 2241.1 -27.81 76.19
 90.00 20 30 55 5129.64 25.09 228.36 50.69 76.42 21 56 25 4529.6 22.97 220.33
 100.00 8 31 40 2569.99 -29.85 64.84 56.17 91.74 9 14 30 1970.0 -29.29 56.08
 100.00 21 49 34 4875.94 26.60 209.29 50.28 75.84 23 10 50 4275.9 24.39 201.19
 110.00 9 46 6 2337.06 -34.07 46.95 55.97 92.94 10 25 3 1737.1 -33.29 37.80
 110.00 22 51 38 4681.63 30.69 193.30 49.03 74.14 24 9 39 4081.6 28.21 184.98

DIFFERENTIAL CORRECTIONS

TDE .9006 TRA-2.2848 TC3 -.1859 BAU .3347
 RDE -.8529 RRA -.5227 RC3 .0253 FAU .01292
 FDE -.5061 FRA 1.0198 FC3 -.0838 BSP 3835
 BDE 1.2403 BRA 2.3438 BC3 .1876 FSP -125

MID-COURSE EXECUTION ACCURACY

SGT 1296.5 SGR 500.2 SG3 51.8
 RRT .1275 RRF -.1254 RTF -.7826
 SGB 1389.7 R23 -.0087 R13 -.7830
 SGI 1298.3 SG2 495.5 TMA 3.30

ORBIT DETERMINATION ACCURACY

ST 562.5 SR 430.2 SS 513.5
 CRT -.6706 CRS -.7459 CST .9934
 LSA 827.6 MSA 282.8 SSA 16.1
 EL1 652.5 EL2 275.1 ALF 146.02

LAUNCH DATE APR 25 1967

FLIGHT TIME 94.00

ARRIVAL DATE JUL 28 1967

HELIOCENTRIC CONIC

DISTANCE 195.544

RL 150.48 LAL -.00 LOL 214.11 VL 21.786 GAL 18.54 AZL 91.67 HCA 69.70 SMA 102.94 ECC .54118 INC 1.6678 V1 29.609
 RP 108.86 LAP -1.56 LOP 283.80 VP 33.897 GAP -32.62 AZP 90.58 TAL 162.55 TAP 232.25 RCA 47.23 APO 158.65 V2 34.810
 RC 62.843 GL -3.11 GP 3.57 ZAL 54.24 ZAP 19.20 ETS 192.68 ZAE 140.08 ETE 168.45 ZAC 138.94 ETC 28.88 CLP 18.88

PLANETOCENTRIC CONIC

C3 122.451 VML 11.066 OLA 4.96 RAL 160.29 RAD 6570.3 VEL 15.614 PTH 2.78 VMP 19.462 DPA 25.46 RAP 126.31 ECC 3.0152
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 15 45 2800.95 -28.19 81.89 55.16 92.78 8 2 26 2200.9 -27.51 73.29
 90.00 20 27 45 5136.34 25.20 228.82 50.39 76.63 21 53 22 4536.3 23.11 220.77
 100.00 8 39 26 2531.05 -29.73 61.95 55.07 93.25 9 21 37 1931.0 -28.96 53.23
 100.00 21 46 46 4881.47 26.69 209.68 49.98 76.02 23 8 7 4281.5 24.51 201.56
 110.00 9 53 2 2300.71 -33.91 44.13 54.73 94.61 10 31 22 1700.7 -32.90 35.03
 110.00 22 49 39 4684.58 30.74 193.51 48.76 74.26 24 7 44 4084.6 28.28 185.18

DIFFERENTIAL CORRECTIONS

TDE .9053 TRA-2.2970 TC3 -.1933 BAU .3200
 RDE -.8097 RRA -.5085 RC3 .0292 FAU .01316
 FDE -.5287 FRA 1.0522 FC3 -.0930 BSP 3996
 BDE 1.2145 BRA 2.3526 BC3 .1955 FSP -136

MID-COURSE EXECUTION ACCURACY

SGT 1352.0 SGR 499.8 SG3 55.8
 RRT .1351 RRF -.1335 RTF -.7945
 SGB 1441.4 R23 -.0096 R13 -.7949
 SG1 1353.9 SG2 .494.5 TMA 3.30

ORBIT DETERMINATION ACCURACY

ST 590.0 SR 426.7 SS 536.7
 CRT -.6679 CRS -.7471 CST .9928
 LSA 858.7 MSA 284.1 SSA 16.3
 EL1 672.8 EL2 278.5 ALF 148.14

LAUNCH DATE APR 25 1967

FLIGHT TIME 96.00

ARRIVAL DATE JUL 30 1967

HELIOCENTRIC CONIC

DISTANCE 201.912

RL 150.48 LAL -.00 LOL 214.11 VL 22.184 GAL 17.78 AZL 91.81 HCA 72.86 SMA 104.36 ECC .51996 INC 1.8084 V1 29.609
 RP 108.88 LAP -1.73 LOP 286.96 VP 34.149 GAP -31.24 AZP 90.53 TAL 161.82 TAP 234.68 RCA 50.10 APO 158.62 V2 34.805
 RC 60.850 GL -3.61 GP 3.73 ZAL 53.46 ZAP 17.93 ETS 193.89 ZAE 141.03 ETE 167.18 ZAC 137.22 ETC 27.94 CLP 17.55

PLANETOCENTRIC CONIC

C3 112.380 VML 10.601 OLA 4.20 RAL 160.85 RAD 6570.1 VEL 15.288 PTH 2.74 VMP 18.717 DPA 25.24 RAP 128.34 ECC 2.8495
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 23 42 2759.95 -28.02 78.91 53.99 94.26 8 9 42 2160.0 -27.13 70.35
 90.00 20 24 17 5142.79 25.30 229.27 49.99 76.83 21 50 0 4542.8 23.23 221.20
 100.00 8 47 1 2491.22 -29.54 59.01 53.86 94.79 9 28 32 1891.2 -28.56 50.34
 100.00 21 43 40 4886.75 26.78 210.04 49.59 76.20 23 5 6 4286.8 24.62 201.91
 110.00 9 59 47 2263.49 -33.67 41.25 53.39 96.30 10 37 30 1663.5 -32.43 32.23
 110.00 22 47 23 4687.25 30.79 193.70 48.39 74.36 24 5 30 4087.3 28.34 185.36

DIFFERENTIAL CORRECTIONS

TDE .9120 TRA-2.3054 TC3 -.1994 BAU .3038
 RDE -.7670 RRA -.4939 RC3 .0336 FAU .01344
 FDE -.5527 FRA 1.0853 FC3 -.1035 BSP 4221
 BDE 1.1916 BRA 2.3577 BC3 .2022 FSP -149

MID-COURSE EXECUTION ACCURACY

SGT 1408.0 SGR 498.6 SG3 60.1
 RRT .1424 RRF -.1420 RTF -.8063
 SGB 1493.7 R23 -.0112 R13 -.8067
 SG1 1410.1 SG2 .492.8 TMA 3.29

ORBIT DETERMINATION ACCURACY

ST 619.3 SR 422.3 SS 561.2
 CRT -.6663 CRS -.7484 CST .9924
 LSA 892.0 MSA 284.3 SSA 16.4
 EL1 695.1 EL2 280.5 ALF 150.25

LAUNCH DATE APR 25 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 1 1967

HELIOCENTRIC CONIC

DISTANCE 208.335

RL 150.48 LAL -.00 LOL 214.11 VL 22.559 GAL 17.05 AZL 91.94 HCA 76.02 SMA 105.75 ECC .49944 INC 1.9442 V1 29.609
 RP 108.90 LAP -1.89 LOP 290.13 VP 34.388 GAP -29.92 AZP 90.47 TAL 161.11 TAP 237.13 RCA 52.94 APO 158.57 V2 34.800
 RC 58.919 GL -4.13 GP 3.90 ZAL 52.73 ZAP 16.68 ETS 195.34 ZAE 142.08 ETE 165.77 ZAC 135.48 ETC 27.07 CLP 16.24

PLANETOCENTRIC CONIC

C3 103.164 VML 10.157 OLA 3.43 RAL 161.36 RAD 6570.0 VEL 14.983 PTH 2.70 VMP 17.995 DPA 25.01 RAP 130.37 ECC 2.6978
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 31 30 2718.03 -27.77 75.87 52.73 95.77 8 16 48 2118.0 -26.68 67.37
 90.00 20 20 30 5149.10 25.39 229.70 49.51 77.03 21 46 20 4549.1 23.36 221.63
 100.00 8 54 27 2450.49 -29.27 56.01 52.55 96.35 9 35 17 1850.5 -28.08 47.41
 100.00 21 40 15 4891.88 26.86 210.40 49.12 76.37 23 1 47 4291.9 24.72 202.26
 110.00 10 6 22 2225.38 -33.35 38.32 51.95 98.00 10 43 28 1625.4 -31.88 29.40
 110.00 22 44 49 4689.75 30.84 193.88 47.94 74.46 24 2 59 4089.7 28.40 185.53

DIFFERENTIAL CORRECTIONS

TDE .9182 TRA-2.3121 TC3 -.2048 BAU .2874
 RDE -.7250 RRA -.4792 RC3 .0385 FAU .01375
 FDE -.5780 FRA 1.1195 FC3 -.1154 BSP 4450
 BDE 1.1699 BRA 2.3612 BC3 .2084 FSP -162

MID-COURSE EXECUTION ACCURACY

SGT 1465.8 SGR 496.7 SG3 64.7
 RRT .1504 RRF -.1513 RTF -.8176
 SGB 1547.7 R23 -.0130 R13 -.8180
 SG1 1468.0 SG2 490.3 TMA 3.28

ORBIT DETERMINATION ACCURACY

ST 649.7 SR 417.0 SS 586.7
 CRT -.6645 CRS -.7494 CST .9920
 LSA 926.9 MSA 283.9 SSA 16.5
 EL1 718.8 EL2 281.6 ALF 152.29

LAUNCH DATE APR 25 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 3 1967

HELIOCENTRIC CONIC

DISTANCE 214.807

RL 150.48 LAL -.00 LOL 214.11 VL 22.911 GAL 16.34 AZL 92.08 HCA 79.18 SMA 107.12 ECC .47965 INC 2.0763 V1 29.609
 RP 108.91 LAP -2.04 LOP 293.29 VP 34.616 GAP -28.65 AZP 90.39 TAL 160.42 TAP 239.60 RCA 55.74 APO 158.50 V2 34.795
 RC 57.057 GL -4.69 GP 4.09 ZAL 52.06 ZAP 15.46 ETS 197.08 ZAE 143.22 ETE 164.18 ZAC 133.73 ETC 26.27 CLP 14.92

PLANETOCENTRIC CONIC

C3 94.737 VML 9.733 OLA 2.64 RAL 161.80 RAD 6569.8 VEL 14.700 PTH 2.66 VMP 17.294 DPA 24.77 RAP 132.39 ECC 2.5591
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 39 10 2675.17 -27.44 72.77 51.38 97.29 8 23 45 2075.2 -26.15 64.34
 90.00 20 16 23 5155.39 25.49 230.14 48.94 77.23 21 42 19 4555.4 23.48 222.05
 100.00 9 1 44 2408.83 -28.92 52.96 51.16 97.91 9 41 53 1808.8 -27.52 44.44
 100.00 21 36 30 4896.97 26.94 210.76 48.56 76.54 22 58 7 4297.0 24.82 202.60
 110.00 10 12 49 2186.38 -32.94 35.35 50.43 99.71 10 49 15 1586.4 -31.25 26.53
 110.00 22 41 55 4692.18 30.88 194.06 47.40 74.55 24 0 7 4092.2 28.45 185.70

DIFFERENTIAL CORRECTIONS

TDE .9215 TRA-2.3198 TC3 -.2106 BAU .2725
 RDE -.6836 RRA -.4647 RC3 .0439 FAU .01407
 FDE -.6043 FRA 1.1553 FC3 -.1286 BSP 4617
 BDE 1.1474 BRA 2.3659 BC3 .2151 FSP -176

MID-COURSE EXECUTION ACCURACY

SGT 1526.8 SGR 494.2 SG3 69.8
 RRT .1604 RRF -.1620 RTF -.8278
 SGB 1604.8 R23 -.0144 R13 -.8282
 SG1 1529.1 SG2 487.0 TMA 3.31

ORBIT DETERMINATION ACCURACY

ST 680.1 SR 410.7 SS 613.0
 CRT -.6609 CRS -.7499 CST .9914
 LSA 962.5 MSA 283.4 SSA 16.6
 EL1 742.7 EL2 282.3 ALF 154.26

LAUNCH DATE APR 25 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 5 1967

HELIOCENTRIC CONIC

DISTANCE 221.323

RL 150.48 LAL -.00 LOL 214.11 VL 23.242 GAL 15.67 AZL 92.21 MCA 82.34 SMA 108.46 ECC .46058 INC 2.2057 VI 29.609
 RP 108.92 LAP -2.19 LOP 296.45 VP 34.832 GAP -27.42 AZP 90.29 TAL 199.77 TAP 242.11 RCA 58.50 APO 158.41 V2 34.792
 RC 55.270 GL -5.30 GP 4.29 ZAL 51.44 ZAP 14.26 ETS 199.19 ZAE 144.46 ETE 162.38 ZAC 131.96 ETC 25.53 CLP 13.61

PLANETOCENTRIC CONIC

C3 87.033 VHL 9.329 DLA 1.83 RAL 162.18 RAD 6569.7 VEL 14.435 PTH 2.62 VHP 16.614 DPA 24.52 RAP 134.42 ECC 2.4323
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 46 43 2631.33 -27.02 69.63 49.95 98.81 8 30 34 2031.3 -25.53 61.28
 90.00 20 11 54 5161.80 25.58 230.59 48.28 77.43 21 37 56 4561.8 23.60 222.48
 100.00 9 8 54 2366.21 -28.48 49.87 49.68 99.49 9 48 21 1766.2 -26.88 41.44
 100.00 21 32 24 4902.16 27.03 211.12 47.91 76.71 22 54 6 4302.2 24.93 202.95
 110.00 10 19 7 2146.48 -32.44 32.34 48.84 101.43 10 54 53 1546.5 -30.52 23.65
 110.00 22 38 41 4694.66 30.92 194.24 46.78 74.65 23 56 56 4094.7 28.51 185.87

DIFFERENTIAL CORRECTIONS

TDE .9270 TRA-2.3232 TC3 -.2144 BAU .2561
 RDE -.6428 RRA -.4501 RC3 .0500 FAU .01445
 FDE -.6326 FRA 1.1922 FC3 -.1437 BSP 4850
 BOE 1.1280 BRA 2.3664 BC3 .2201 FSP -192

MID-COURSE EXECUTION ACCURACY

SGT 1588.1 SGR 491.0 SG3 75.3
 RRT .1703 RRF -.1735 RTF -.8379
 SGB 1662.2 R23 -.0165 R13 -.8384
 SGI 1590.5 SG2 483.1 TMA 3.32

ORBIT DETERMINATION ACCURACY

ST 712.5 SR 403.4 SS 640.9
 CRT -.6584 CRS -.7503 CST .9909
 LSA 1000.7 MSA 281.7 SSA 16.7
 EL1 768.9 EL2 281.4 ALF 156.17

LAUNCH DATE APR 25 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 7 1967

HELIOCENTRIC CONIC

DISTANCE 227.880

RL 150.48 LAL -.00 LOL 214.11 VL 23.553 GAL 15.03 AZL 92.33 MCA 85.50 SMA 109.76 ECC .44225 INC 2.3331 VI 29.609
 RP 108.93 LAP -2.33 LOP 299.61 VP 35.037 GAP -26.24 AZP 90.18 TAL 159.14 TAP 244.64 RCA 61.22 APO 158.31 V2 34.789
 RC 53.566 GL -5.94 GP 4.51 ZAL 50.88 ZAP 13.09 ETS 201.78 ZAE 145.78 ETE 160.33 ZAC 130.17 ETC 24.84 CLP 12.30

PLANETOCENTRIC CONIC

C3 79.996 VHL 8.944 DLA 1.00 RAL 162.51 RAD 6569.6 VEL 14.190 PTH 2.58 VHP 15.955 DPA 24.27 RAP 136.44 ECC 2.3165
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 54 10 2586.50 -26.51 66.45 48.45 100.33 8 37 16 1986.5 -24.82 58.19
 90.00 20 7 2 5168.49 25.68 231.05 47.55 77.65 21 33 10 4568.5 23.72 222.93
 100.00 9 15 58 2322.62 -27.95 46.74 48.14 101.05 9 54 41 1722.6 -26.14 38.40
 100.00 21 27 54 4907.60 27.11 211.51 47.19 76.90 22 49 42 4307.6 25.04 203.32
 110.00 10 25 17 2105.67 -31.85 29.31 47.18 103.13 11 0 23 1505.7 -29.71 20.75
 110.00 22 35 5 4697.32 30.97 194.43 46.08 74.76 23 53 22 4097.3 28.57 186.05

DIFFERENTIAL CORRECTIONS

TDE .9323 TRA-2.3244 TC3 -.2171 BAU .2399
 RDE -.6026 RRA -.4359 RC3 .0567 FAU .01486
 FDE -.6629 FRA 1.2308 FC3 -.1608 BSP 5088
 BOE 1.1101 BRA 2.3650 BC3 .2243 FSP -209

MID-COURSE EXECUTION ACCURACY

SGT 1650.9 SGR 487.1 SG3 81.3
 RRT .1815 RRF -.1864 RTF -.8475
 SGB 1721.2 R23 -.0188 R13 -.8480
 SGI 1653.4 SG2 478.3 TMA 3.35

ORBIT DETERMINATION ACCURACY

ST 745.9 SR 395.0 SS 670.2
 CRT -.6555 CRS -.7503 CST .9905
 LSA 1040.8 MSA 279.4 SSA 16.8
 EL1 796.5 EL2 279.4 ALF 158.01

LAUNCH DATE APR 25 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC

DISTANCE 234.472

RL 150.48 LAL -.00 LOL 214.11 VL 23.845 GAL 14.41 AZL 92.46 MCA 88.66 SMA 111.03 ECC .42466 INC 2.4593 VI 29.609
 RP 108.94 LAP -2.46 LOP 302.77 VP 35.232 GAP -25.11 AZP 90.06 TAL 158.54 TAP 247.20 RCA 63.88 APO 158.18 V2 34.786
 RC 51.953 GL -6.63 GP 4.76 ZAL 50.38 ZAP 11.96 ETS 204.99 ZAE 147.19 ETE 157.98 ZAC 128.37 ETC 24.21 CLP 10.99

PLANETOCENTRIC CONIC

C3 73.575 VHL 8.578 DLA .15 RAL 162.77 RAD 6569.4 VEL 13.962 PTH 2.55 VHP 15.316 DPA 24.03 RAP 138.46 ECC 2.2109
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 1 32 2540.64 -25.91 63.23 46.88 101.83 8 43 53 1940.6 -24.02 55.07
 90.00 20 1 43 5175.63 25.79 231.55 46.75 77.87 21 27 59 4575.6 23.86 223.41
 100.00 9 22 56 2278.04 -27.33 43.57 46.54 102.61 10 0 55 1678.0 -25.32 35.35
 100.00 21 23 0 4913.46 27.20 211.92 46.40 77.10 22 44 53 4313.5 25.15 203.72
 110.00 10 31 20 2063.93 -31.16 26.25 45.46 104.82 11 5 44 1463.9 -28.81 17.83
 110.00 22 31 5 4700.33 31.03 194.65 45.31 74.87 23 49 26 4100.3 28.64 186.26

DIFFERENTIAL CORRECTIONS

TDE .9374 TRA-2.3241 TC3 -.2184 BAU .2239
 RDE -.5630 RRA -.4220 RC3 .0641 FAU .01532
 FDE -.6952 FRA 1.2707 FC3 -.1802 BSP 5324
 BOE 1.0935 BRA 2.3621 BC3 .2276 FSP -228

MID-COURSE EXECUTION ACCURACY

SGT 1715.3 SGR 482.7 SG3 87.8
 RRT .1943 RRF -.2011 RTF -.8567
 SGB 1782.0 R23 -.0214 R13 -.8571
 SGI 1718.1 SG2 472.7 TMA 3.39

ORBIT DETERMINATION ACCURACY

ST 780.4 SR 385.5 SS 701.0
 CRT -.6519 CRS -.7497 CST .9900
 LSA 1082.7 MSA 276.5 SSA 16.9
 EL1 825.4 EL2 276.4 ALF 159.79

LAUNCH DATE APR 25 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 241.095

RL 150.48 LAL -.00 LOL 214.11 VL 24.118 GAL 13.82 AZL 92.59 MCA 91.82 SMA 112.27 ECC .40780 INC 2.5853 VI 29.609
 RP 108.94 LAP -2.58 LOP 305.93 VP 35.416 GAP -24.01 AZP 89.92 TAL 157.97 TAP 249.79 RCA 66.48 APO 158.05 V2 34.785
 RC 50.440 GL -7.38 GP 5.03 ZAL 49.94 ZAP 10.89 ETS 209.00 ZAE 148.66 ETE 155.27 ZAC 126.57 ETC 23.62 CLP 9.67

PLANETOCENTRIC CONIC

C3 67.720 VHL 8.229 DLA -.74 RAL 162.96 RAD 6569.3 VEL 13.750 PTH 2.51 VHP 14.697 DPA 23.78 RAP 140.48 ECC 2.1145
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 8 51 2493.73 -25.22 59.97 45.26 103.33 8 50 24 1893.7 -23.13 51.91
 90.00 19 55 58 5183.41 25.90 232.09 45.88 78.13 21 22 21 4583.4 24.00 223.93
 100.00 9 29 51 2232.44 -26.61 40.37 44.88 104.15 10 7 3 1632.4 -24.40 32.27
 100.00 21 17 39 4919.93 27.30 212.37 45.54 77.32 22 39 39 4319.9 25.28 204.16
 110.00 10 37 18 2021.28 -30.38 23.17 43.70 106.49 11 11 0 1421.3 -27.82 14.91
 110.00 22 26 41 4703.85 31.09 194.90 44.47 75.01 23 45 4 4103.9 28.72 186.50

DIFFERENTIAL CORRECTIONS

TDE .9427 TRA-2.3215 TC3 -.2180 BAU .2080
 RDE -.5240 RRA -.4086 RC3 .0724 FAU .01582
 FDE -.5302 FRA 1.3126 FC3 -.2023 BSP 5566
 BOE 1.0785 BRA 2.3572 BC3 .2297 FSP -249

MID-COURSE EXECUTION ACCURACY

SGT 1781.2 SGR 477.7 SG3 94.8
 RRT .2088 RRF -.2178 RTF -.8653
 SGB 1844.1 R23 -.0243 R13 -.8658
 SGI 1784.2 SG2 466.4 TMA 3.44

ORBIT DETERMINATION ACCURACY

ST 816.1 SR 374.7 SS 733.6
 CRT -.6478 CRS -.7486 CST .9895
 LSA 1126.9 MSA 272.9 SSA 17.0
 EL1 855.8 EL2 272.2 ALF 161.50

LAUNCH DATE APR 25 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC
 RL 150.48 LAL -.00 LOL 214.11 VL 24.375 GAL 13.25 AZL 92.71 MCA 94.98 SMA 113.46 ECC .3916H INC 2.7117 V1 29.609
 RP 108.94 LAP -2.70 LOP 309.10 VP 35.591 GAP -22.95 A7P 89.76 TAL 157.44 TAP 252.42 RCA 69.02 APO 157.90 V2 34.784
 RC 49.035 GL -8.17 GP 5.33 ZAL 49.56 ZAP 9.90 ETS 214.02 ZAE 150.18 ETE 152.13 ZAC 124.76 ETC 23.08 CLP 8.35

PLANETOCENTRIC CONIC
 C3 62.389 VML 7.899 DLA -1.65 RAL 163.09 RAD 6569.2 VEL 13.555 PTH 2.48 VHP 14.097 DPA 23.55 RAP 142.49 ECC 2.0268
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 16 8 2445.73 -24.42 56.67 43.59 104.79 8 56 53 1845.7 -22.15 48.74
 90.00 19 49 42 5192.04 26.02 232.69 44.95 78.41 21 16 14 4592.0 24.16 224.52
 100.00 9 36 42 2185.82 -25.79 37.15 43.18 105.66 10 13 8 1585.8 -23.40 29.17
 100.00 21 11 49 4927.19 27.40 212.89 44.62 77.57 22 33 56 4327.2 25.42 204.65
 110.00 10 43 11 1977.70 -29.49 20.08 41.91 108.12 11 16 9 1377.7 -26.73 11.99
 110.00 22 21 49 4708.07 31.16 195.21 43.58 75.18 23 40 17 4108.1 28.81 186.79

DIFFERENTIAL CORRECTIONS
 TOE .9480 TRA-2.3168 TC3 -.2159 BAU .1924
 ROE -.4855 RRA -.3959 RC3 .0814 FAU .01637
 FDE -.7679 FRA 1.3566 FC3 -.2271 BSP 5808
 BOE 1.0651 BRA 2.3504 BC3 .2307 FSP -272

MID-COURSE EXECUTION ACCURACY
 SGT 1848.2 SGR 472.4 SG3 102.5
 RRT .2256 RRF -.2369 RTF -.8735
 SGB 1907.6 R23 -.0276 R13 -.8741
 SG1 1851.5 SG2 459.4 THA 3.52

ORBIT DETERMINATION ACCURACY
 ST 852.9 SR 362.6 SS 768.0
 CRT -.6427 CRS -.7465 CST .9890
 LSA 1173.1 MSA 268.8 SSA 17.0
 EL1 887.5 EL2 267.0 ALF 163.15

LAUNCH DATE APR 25 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC
 RL 150.48 LAL -.00 LOL 214.11 VL 24.615 GAL 12.71 AZL 92.84 MCA 98.14 SMA 114.61 ECC .3762H INC 2.8393 V1 29.609
 RP 108.94 LAP -2.81 LOP 312.26 VP 35.755 GAP -21.93 A7P 89.60 TAL 156.94 TAP 255.07 RCA 71.49 APO 157.74 V2 34.784
 RC 47.750 GL -9.02 GP 5.67 ZAL 49.26 ZAP 9.01 ETS 220.31 ZAE 151.73 ETE 148.46 ZAC 122.94 ETC 22.57 CLP 7.02

PLANETOCENTRIC CONIC
 C3 57.541 VML 7.586 DLA -2.60 RAL 163.15 RAD 6569.0 VEL 13.375 PTH 2.44 VHP 13.515 DPA 23.32 RAP 144.49 ECC 1.9470
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 23 25 2396.62 -23.53 53.35 41.89 106.23 9 3 21 1796.6 -21.08 45.54
 90.00 19 42 54 5201.76 26.15 233.38 43.97 78.72 21 9 36 4601.8 24.33 225.18
 100.00 9 43 33 2138.13 -24.88 33.90 41.45 107.13 10 19 11 1538.1 -22.30 26.06
 100.00 21 5 27 4935.49 27.52 213.47 43.65 77.85 22 27 43 4335.5 25.57 205.22
 110.00 10 49 1 1933.19 -28.51 16.99 40.09 109.71 11 21 14 1333.2 -25.56 9.06
 110.00 22 16 29 4713.19 31.25 195.58 42.63 75.39 23 35 2 4113.2 28.93 187.15

DIFFERENTIAL CORRECTIONS
 TOE .9541 TRA-2.3098 TC3 -.2115 BAU .1773
 ROE -.4475 RRA -.3840 RC3 .0914 FAU .01697
 FDE -.8090 FRA 1.4029 FC3 -.2553 BSP 6062
 BOE 1.0538 BRA 2.3415 BC3 .2304 FSP -297

MID-COURSE EXECUTION ACCURACY
 SGT 1916.3 SGR 466.6 SG3 110.9
 RRT .2448 RRF -.2589 RTF -.8813
 SGB 1972.3 R23 -.0313 R13 -.8819
 SG1 1919.9 SG2 451.6 THA 3.61

ORBIT DETERMINATION ACCURACY
 ST 891.0 SR 349.1 SS 804.6
 CRT -.6366 CRS -.7433 CST .9886
 LSA 1222.0 MSA 264.0 SSA 17.1
 EL1 920.8 EL2 260.5 ALF 164.75

LAUNCH DATE APR 25 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC
 RL 150.48 LAL -.00 LOL 214.11 VL 24.840 GAL 12.19 AZL 92.97 MCA 101.30 SMA 115.73 ECC .36159 INC 2.9689 V1 29.609
 RP 108.94 LAP -2.91 LOP 315.42 VP 35.911 GAP -20.94 A7P 89.42 TAL 156.47 TAP 257.77 RCA 73.88 APO 157.57 V2 34.785
 RC 46.594 GL -9.93 GP 6.04 ZAL 49.02 ZAP 8.28 ETS 228.11 ZAE 153.25 ETE 144.18 ZAC 121.12 ETC 22.10 CLP 5.67

PLANETOCENTRIC CONIC
 C3 53.141 VML 7.290 DLA -3.58 RAL 163.14 RAD 6568.9 VEL 13.210 PTH 2.41 VHP 12.952 DPA 23.12 RAP 146.49 ECC 1.8746
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 30 44 2346.35 -22.53 50.01 40.17 107.62 9 9 50 1746.4 -19.91 42.31
 90.00 19 35 30 5212.83 26.29 234.15 42.94 79.09 21 2 23 4612.8 24.52 225.93
 100.00 9 50 24 2089.36 -23.86 30.64 39.69 108.56 10 25 13 1489.4 -21.10 22.92
 100.00 20 58 32 4945.05 27.66 214.15 42.63 78.19 22 20 57 4345.1 25.75 205.87
 110.00 10 54 48 1887.75 -27.43 13.90 38.26 111.25 11 26 15 1287.7 -24.29 6.14
 110.00 22 10 37 4719.43 31.36 196.04 41.65 75.64 23 29 16 4119.4 29.07 187.58

DIFFERENTIAL CORRECTIONS
 TOE .9603 TRA-2.3009 TC3 -.2050 BAU .1628
 ROE -.4099 RRA -.3730 RC3 .1023 FAU .01763
 FDE -.8538 FRA 1.4517 FC3 -.2871 BSP 6305
 BOE 1.0441 BRA 2.3310 BC3 .2291 FSP -324

MID-COURSE EXECUTION ACCURACY
 SGT 1985.6 SGR 460.8 SG3 120.1
 RRT .2673 RRF -.2843 RTF -.8887
 SGB 2038.3 R23 -.0355 R13 -.8893
 SG1 1989.6 SG2 443.1 THA 3.74

ORBIT DETERMINATION ACCURACY
 ST 930.2 SR 334.0 SS 843.5
 CRT -.6285 CRS -.7384 CST .9882
 LSA 1273.3 MSA 258.7 SSA 17.1
 EL1 955.5 EL2 252.9 ALF 166.30

LAUNCH DATE APR 25 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC
 RL 150.48 LAL -.00 LOL 214.11 VL 25.051 GAL 11.69 AZL 93.10 MCA 104.45 SMA 116.79 ECC .34761 INC 3.1014 V1 29.609
 RP 108.94 LAP -3.00 LOP 318.59 VP 36.059 GAP -19.99 A7P 89.23 TAL 156.04 TAP 260.49 RCA 76.20 APO 157.39 V2 34.786
 RC 45.578 GL -10.91 GP 6.45 ZAL 48.86 ZAP 7.76 ETS 237.48 ZAE 154.70 ETE 139.18 ZAC 119.29 ETC 21.67 CLP 4.32

PLANETOCENTRIC CONIC
 C3 49.154 VML 7.011 DLA -4.61 RAL 163.06 RAD 6568.8 VEL 13.058 PTH 2.38 VHP 12.408 DPA 22.95 RAP 148.48 ECC 1.8089
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 38 7 2294.87 -21.43 46.63 38.43 108.96 9 16 22 1694.9 -18.65 39.06
 90.00 19 27 28 5225.52 26.45 235.05 41.87 79.51 20 54 34 4625.5 24.74 226.80
 100.00 9 57 17 2039.45 -22.74 27.35 37.93 109.94 10 31 17 1439.5 -19.82 19.78
 100.00 20 50 59 4956.16 27.81 214.94 41.58 78.58 22 13 35 4356.2 25.95 206.64
 110.00 11 0 34 1841.35 -26.25 10.81 36.43 112.73 11 31 15 1241.4 -22.93 3.22
 110.00 22 4 12 4727.03 31.48 196.59 40.62 75.94 23 22 59 4127.0 29.23 188.11

DIFFERENTIAL CORRECTIONS
 TOE .9675 TRA-2.2900 TC3 -.1957 BAU .1489
 ROE -.3725 RRA -.3633 RC3 .1143 FAU .01834
 FDE -.9032 FRA 1.5034 FC3 -.3231 BSP 6554
 BOE 1.0367 BRA 2.3186 BC3 .2266 FSP -354

MID-COURSE EXECUTION ACCURACY
 SGT 2055.6 SGR 455.0 SG3 130.2
 RRT .2936 RRF -.3137 RTF -.8956
 SGB 2105.4 R23 -.0403 R13 -.8969
 SG1 2060.1 SG2 434.0 THA 3.89

ORBIT DETERMINATION ACCURACY
 ST 970.8 SR 317.3 SS 885.1
 CRT -.6181 CRS -.7313 CST .9878
 LSA 1327.5 MSA 252.9 SSA 17.1
 EL1 991.8 EL2 244.1 ALF 167.83

LAUNCH DATE APR 25 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 274.551

RL 150.48 LAL -0.00 LOL 214.11 VL 25.248 GAL 11.22 AZL 93.24 HCA 107.61 SMA 117.82 ECC .33432 INC 3.2378 V1 29.609
 RP 108.93 LAP -3.09 LOP 321.75 VP 36.198 GAP -19.06 AZP 89.02 TAL 155.64 TAP 263.25 RCA 78.43 APO 157.21 V2 34.788
 RC 44.711 GL -11.96 GP 6.91 ZAL 48.78 ZAP 7.51 ETS 248.14 ZAE 156.02 ETE 133.38 ZAC 89.04 ETC 261.06 CLP 2.94

PLANETOCENTRIC CONIC

C3 45.551 VHL 6.749 DLA -5.68 RAL 162.90 RAD 6568.7 VEL 12.920 PTH 2.35 VHP 11.881 DPA 22.80 RAP 150.46 ECC 1.7497
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 45 37 2242.11 -20.23 43.23 36.69 110.25 9 22 59 1642.1 -17.29 35.79
 90.00 19 18 44 5240.15 26.63 236.08 40.78 80.00 20 46 4 4640.2 24.98 227.80
 100.00 10 4 16 1988.37 -21.51 24.05 36.17 111.27 10 37 24 1388.4 -18.43 16.61
 100.00 20 42 46 4969.12 27.98 215.87 40.50 79.04 22 5 35 4369.1 26.19 207.53
 110.00 11 6 21 1793.99 -24.96 7.73 34.60 114.15 11 36 15 1194.0 -21.49 .30
 110.00 21 57 10 4736.26 31.63 197.27 39.58 76.32 23 16 6 4136.3 29.43 188.76

DIFFERENTIAL CORRECTIONS

TDE .9691 TRA-2.2832 TC3 -.1892 BAU .1389
 RDE -.3352 RRA -.3950 RC3 .1272 FAU .01905
 FDE -.9558 FRA 1.5590 FC3 -.3620 BSP 6644
 BDE 1.0254 BRA 2.3106 BC3 .2280 FSP -383

MID-COURSE EXECUTION ACCURACY

SGT 2129.8 SGR 449.7 SG3 141.1
 RRT .3257 RRF -.3485 RTF -.9011
 SGB 2176.8 R23 -.0454 R13 -.9018
 SGI 2135.0 SG2 424.1 TMA 4.10

ORBIT DETERMINATION ACCURACY

ST 1009.1 SR 298.8 SS 928.4
 CRT -.6005 CRS -.7200 CST .9869
 LSA 1381.2 MSA 248.1 SSA 17.1
 EL1 1025.8 EL2 235.0 ALF 169.35

LAUNCH DATE APR 25 1967

FLIGHT TIME 120.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 281.286

RL 150.48 LAL -0.00 LOL 214.11 VL 25.432 GAL 10.76 AZL 93.38 HCA 110.77 SMA 118.80 ECC .32170 INC 3.3790 V1 29.609
 RP 108.92 LAP -3.16 LOP 324.92 VP 36.329 GAP -18.17 AZP 88.80 TAL 155.28 TAP 266.05 RCA 80.58 APO 157.02 V2 34.791
 RC 44.000 GL -13.09 GP 7.43 ZAL 48.77 ZAP 7.59 ETS 259.36 ZAE 157.12 ETE 126.76 ZAC 89.86 ETC 260.72 CLP 1.55

PLANETOCENTRIC CONIC

C3 42.303 VHL 6.904 DLA -6.81 RAL 162.67 RAD 6568.6 VEL 12.793 PTH 2.33 VHP 11.372 DPA 22.70 RAP 152.45 ECC 1.6962
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 53 17 2187.96 -18.91 39.80 34.95 111.47 9 29 45 1588.0 -15.83 32.48
 90.00 19 9 12 5257.06 26.82 237.28 39.66 80.57 20 36 49 4857.1 25.25 228.97
 100.00 10 11 22 1936.03 -20.19 20.73 34.41 112.53 10 43 38 1336.0 -16.96 13.43
 100.00 20 33 48 4984.22 28.17 216.95 39.39 79.57 21 56 52 4384.2 26.45 208.57
 110.00 11 12 11 1745.62 -23.58 4.65 38.78 115.50 11 41 17 1145.6 -19.95 357.39
 110.00 21 49 28 4747.40 -31.81 198.09 38.52 76.77 23 8 36 4147.4 29.67 189.54

DIFFERENTIAL CORRECTIONS

TDE .9787 TRA-2.2876 TC3 -.1745 BAU .1270
 RDE -.2977 RRA -.3482 RC3 .1415 FAU .01990
 FDE -1.0163 FRA 1.6179 FC3 -.4072 BSP 6899
 BDE 1.0230 BRA 2.2941 BC3 .2246 FSP -419

MID-COURSE EXECUTION ACCURACY

SGT 2200.4 SGR 445.0 SG3 153.2
 RRT .3810 RRF -.3879 RTF -.9073
 SGB 2245.0 R23 -.0518 R13 -.9082
 SGI 2206.5 SG2 413.9 TMA 4.33

ORBIT DETERMINATION ACCURACY

ST 1052.4 SR 278.2 SS 976.2
 CRT -.5814 CRS -.7048 CST .9866
 LSA 1442.0 MSA 241.6 SSA 17.1
 EL1 1063.4 EL2 223.6 ALF 170.86

LAUNCH DATE APR 25 1967

FLIGHT TIME 122.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 288.027

RL 150.48 LAL -0.00 LOL 214.11 VL 25.603 GAL 10.33 AZL 93.53 HCA 113.93 SMA 119.74 ECC .30975 INC 3.5264 V1 29.609
 RP 108.91 LAP -3.22 LOP 328.09 VP 36.453 GAP -17.31 AZP 88.57 TAL 154.95 TAP 268.89 RCA 82.65 APO 156.83 V2 34.795
 RC 43.455 GL -14.29 GP 8.01 ZAL 48.86 ZAP 8.01 ETS 270.12 ZAE 157.91 ETE 119.37 ZAC 90.75 ETC 260.40 CLP .13

PLANETOCENTRIC CONIC

C3 39.387 VHL 6.276 DLA -7.99 RAL 162.36 RAD 6568.5 VEL 12.679 PTH 2.30 VHP 10.880 DPA 22.65 RAP 154.42 ECC 1.6482
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 1 10 2132.33 -17.49 36.34 33.24 112.63 9 36 43 1532.3 -14.27 29.14
 90.00 18 58 49 5276.63 27.03 238.68 38.53 81.24 20 26 46 4676.6 24.54 230.33
 100.00 10 18 40 1882.35 -18.75 17.39 32.67 113.72 10 50 2 1282.3 -15.38 10.22
 100.00 20 24 1 5001.85 28.38 218.22 38.28 80.21 21 47 23 4401.8 26.74 209.80
 110.00 11 18 7 1696.20 -22.10 1.58 30.99 116.77 11 46 23 1096.2 -18.33 354.48
 110.00 21 41 3 4760.76 32.02 199.08 37.45 77.33 23 0 24 4160.8 29.94 190.48

DIFFERENTIAL CORRECTIONS

TDE .9902 TRA-2.2486 TC3 -.1557 BAU .1164
 RDE -.2598 RRA -.3432 RC3 .1570 FAU .02084
 FDE -1.0841 FRA 1.6792 FC3 -.4582 BSP 7164
 BDE 1.0237 BRA 2.2747 BC3 .2211 FSP -459

MID-COURSE EXECUTION ACCURACY

SGT 2270.0 SGR 441.8 SG3 166.3
 RRT .4019 RRF -.4331 RTF -.9133
 SGB 2312.6 R23 -.0591 R13 -.9142
 SGI 2277.1 SG2 403.3 TMA 4.62

ORBIT DETERMINATION ACCURACY

ST 1097.3 SR 255.5 SS 1027.9
 CRT -.5542 CRS -.6820 CST .9864
 LSA 1506.8 MSA 234.7 SSA 17.0
 EL1 1106.7 EL2 210.9 ALF 172.37

LAUNCH DATE APR 25 1967

FLIGHT TIME 124.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 294.773

RL 150.48 LAL -0.00 LOL 214.11 VL 25.763 GAL 9.92 AZL 93.68 HCA 117.09 SMA 120.64 ECC .29844 INC 3.6811 V1 29.609
 RP 108.90 LAP -3.28 LOP 331.25 VP 36.569 GAP -16.47 AZP 88.32 TAL 154.66 TAP 271.75 RCA 84.63 APO 156.64 V2 34.799
 RC 43.079 GL -15.58 GP 8.67 ZAL 49.04 ZAP 8.77 ETS 279.61 ZAE 158.32 ETE 111.42 ZAC 91.72 ETC 260.09 CLP -1.31

PLANETOCENTRIC CONIC

C3 36.780 VHL 6.065 DLA -9.22 RAL 161.96 RAD 6568.4 VEL 12.576 PTH 2.28 VHP 10.406 DPA 22.67 RAP 156.40 ECC 1.6053
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 9 23 2075.05 -15.96 32.84 31.55 113.71 9 43 58 1475.1 -12.62 25.75
 90.00 18 47 28 5299.31 27.26 240.30 37.40 82.02 20 15 47 4699.3 25.87 231.90
 100.00 10 26 12 1827.19 -17.21 14.02 30.96 114.83 10 56 39 1227.2 -13.72 6.97
 100.00 20 13 19 5022.40 28.61 219.70 37.17 80.96 21 37 2 4422.4 27.07 211.24
 110.00 11 24 11 1645.67 -20.52 358.51 29.23 117.96 11 51 36 1045.7 -16.61 351.56
 110.00 21 31 50 4776.69 32.25 200.26 36.39 77.99 22 51 27 4176.7 30.26 191.61

DIFFERENTIAL CORRECTIONS

TDE 1.0053 TRA-2.2272 TC3 -.1325 BAU .1075
 RDE -.2210 RRA -.3405 RC3 .1738 FAU .02186
 FDE -1.1601 FRA 1.7443 FC3 -.5148 BSP 7450
 BDE 1.0293 BRA 2.2531 BC3 .2186 FSP -503

MID-COURSE EXECUTION ACCURACY

SGT 2339.2 SGR 440.8 SG3 180.8
 RRT .4485 RRF -.4845 RTF -.9193
 SGB 2380.4 R23 -.0674 R13 -.9203
 SGI 2347.8 SG2 392.5 TMA 4.97

ORBIT DETERMINATION ACCURACY

ST 1145.0 SR 230.7 SS 1083.5
 CRT -.5143 CRS -.6468 CST .9864
 LSA 1576.8 MSA 227.4 SSA 16.8
 EL1 1151.3 EL2 196.7 ALF 173.91

LAUNCH DATE APR 25 1967

FLIGHT TIME 126.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 301.521

RL 150.48 LAL -1.00 LOL 214.11 VL 25.912 GAL 9.53 AZL 93.84 MCA 120.25 SMA 121.49 ECC .28776 INC 3.8449 V1 29.609
 RP 108.88 LAP -3.32 LOP 334.42 VP 36.679 GAP -15.66 AZP 88.06 TAL 154.41 TAP 274.66 RCA 86.53 APO 156.45 V2 34.804
 RC 42.876 GL -16.97 GP 9.42 ZAL 49.31 ZAP 9.82 ETS 287.44 ZAE 158.28 ETE 103.25 ZAC 110.17 ETC 19.93 CLP -2.79

PLANETOCENTRIC CONIC

C3 34.465 VHL 5.871 DLA -10.53 RAL 161.48 RAD 6568.4 VEL 12.483 PTH 2.26 VHP 9.950 DPA 22.77 RAP 158.38 ECC 1.5672
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 17 59 2015.91 -14.31 29.28 29.90 114.70 9 51 35 1415.9 -10.86 22.30
 90.00 18 35 1 5325.60 27.49 242.19 36.28 82.94 20 3 47 4725.6 26.23 233.75
 100.00 10 34 5 1770.40 -15.55 10.62 29.30 115.85 11 3 35 1170.4 -11.95 3.68
 100.00 20 1 37 5046.35 28.86 221.44 36.08 81.84 21 25 43 4446.3 27.43 212.93
 110.00 11 30 26 1593.94 -18.83 355.44 27.51 119.07 11 57 0 993.9 -14.81 348.63
 110.00 21 21 45 4795.57 32.51 201.68 35.35 78.79 22 41 40 4195.6 30.62 192.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0250 TRA-2.2021 TC3 -.1035 BAU .1006
 RDE -.1810 RRA -.3401 RC3 .1922 FAU .02303
 FDE-1.2469 FRA 1.8124 FC3 -.5784 BSP 7779
 BDE 1.0408 BRA 2.2282 BC3 .2183 FSP -553

SGT 2407.0 SGR 442.9 SG3 196.6
 RRT .5009 RRF -.5416 RTF -.9251
 SGB 2447.4 R23 -.0765 R13 -.9264
 SG1 2417.5 SG2 381.6 THA 5.40

ST 1196.1 SR 203.7 SS 1144.5
 CRT -.4525 CRS -.5903 CST .9866
 LSA 1653.4 MSA 219.5 SSA 16.5
 EL1 1199.8 EL2 181.1 ALF 175.49

LAUNCH DATE APR 25 1967

FLIGHT TIME 128.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 308.269

RL 150.48 LAL -1.00 LOL 214.11 VL 26.051 GAL 9.16 AZL 94.02 MCA 123.42 SMA 122.30 ECC .27770 INC 4.0196 V1 29.609
 RP 108.87 LAP -3.35 LOP 337.59 VP 36.782 GAP -14.87 AZP 87.78 TAL 154.19 TAP 277.60 RCA 88.33 APO 156.26 V2 34.809
 RC 42.849 GL -18.46 GP 10.27 ZAL 49.69 ZAP 11.13 ETS 293.63 ZAE 157.78 ETE 95.29 ZAC 108.35 ETC 19.65 CLP -4.30

PLANETOCENTRIC CONIC

C3 32.426 VHL 5.894 DLA -11.91 RAL 160.91 RAD 6568.3 VEL 12.402 PTH 2.24 VHP 9.512 DPA 22.96 RAP 160.37 ECC 1.5336
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 27 6 1954.65 -12.53 25.65 28.31 115.60 9 59 41 1354.6 -8.98 18.77
 90.00 18 21 21 5356.10 27.73 244.39 35.18 84.02 19 50 37 4756.1 26.61 235.90
 100.00 10 42 23 1711.75 -13.78 7.17 27.68 116.79 11 10 55 1111.8 -10.07 .33
 100.00 19 48 45 5074.23 29.11 223.48 35.00 82.89 21 13 19 4474.2 27.82 214.91
 110.00 11 36 57 1540.90 -17.05 352.37 25.84 120.09 12 2 38 940.9 -12.92 345.69
 110.00 21 10 41 4817.85 32.79 203.35 34.35 79.74 22 30 59 4217.8 31.03 194.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0434 TRA-2.1779 TC3 -.0754 BAU .0976
 RDE -.1391 RRA -.3429 RC3 .2120 FAU .02421
 FDE-1.3436 FRA 1.8860 FC3 -.6464 BSP 8018
 BDE 1.0527 BRA 2.2047 BC3 .2251 FSP -606

SGT 2474.9 SGR 449.7 SG3 213.9
 RRT .5589 RRF -.6039 RTF -.9301
 SGB 2515.4 R23 -.0870 R13 -.9315
 SG1 2487.9 SG2 370.9 THA 5.93

ST 1246.5 SR 175.5 SS 1209.7
 CRT -.3467 CRS -.4932 CST .9866
 LSA 1732.7 MSA 212.7 SSA 16.2
 EL1 1248.0 EL2 164.5 ALF 177.16

LAUNCH DATE APR 25 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 315.014

RL 150.48 LAL -1.00 LOL 214.11 VL 26.180 GAL 8.81 AZL 94.21 MCA 126.58 SMA 123.06 ECC .26823 INC 4.2076 V1 29.609
 RP 108.85 LAP -3.38 LOP 340.77 VP 36.880 GAP -14.11 AZP 87.49 TAL 154.00 TAP 280.58 RCA 90.05 APO 156.07 V2 34.815
 RC 42.995 GL -20.05 GP 11.25 ZAL 50.17 ZAP 12.66 ETS 298.38 ZAE 156.83 ETE 87.92 ZAC 106.53 ETC 19.38 CLP -5.85

PLANETOCENTRIC CONIC

C3 30.649 VHL 5.536 DLA -13.36 RAL 160.25 RAD 6568.2 VEL 12.330 PTH 2.22 VHP 9.092 DPA 23.27 RAP 162.37 ECC 1.5044
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 36 55 1890.86 -10.63 21.94 26.79 116.40 10 8 26 1290.9 -7.00 15.14
 90.00 18 6 14 5391.55 27.95 246.96 34.11 85.29 19 36 6 4791.5 27.01 238.42
 100.00 10 51 16 1650.95 -11.89 3.64 26.13 117.63 11 18 47 1051.0 -8.09 356.91
 100.00 19 34 34 5106.69 29.36 225.86 33.96 84.11 20 59 40 4506.7 28.23 217.23
 110.00 11 43 49 1486.38 -15.16 349.27 24.24 121.01 12 8 35 886.4 -10.94 342.71
 110.00 20 58 30 4844.03 33.09 205.34 33.39 80.88 22 19 14 4244.0 31.48 196.48

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0677 TRA-2.1498 TC3 -.0417 BAU .0972
 RDE -.0944 RRA -.3490 RC3 .2336 FAU .02552
 FDE-1.4544 FRA 1.9628 FC3 -.7209 BSP 8306
 BDE 1.0718 BRA 2.1779 BC3 .2373 FSP -666

SGT 2540.2 SGR 462.8 SG3 232.8
 RRT .6201 RRF -.6690 RTF -.9351
 SGB 2582.0 R23 -.0985 R13 -.9368
 SG1 2556.7 SG2 360.8 THA 6.58

ST 1300.6 SR 148.3 SS 1280.9
 CRT -.1634 CRS -.3186 CST .9869
 LSA 1819.8 MSA 205.6 SSA 15.8
 EL1 1300.9 EL2 146.3 ALF 178.92

LAUNCH DATE APR 25 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 321.754

RL 150.48 LAL -1.00 LOL 214.11 VL 26.299 GAL 8.47 AZL 94.41 MCA 129.74 SMA 123.78 ECC .25933 INC 4.4118 V1 29.609
 RP 108.83 LAP -3.39 LOP 343.94 VP 36.971 GAP -13.37 AZP 87.18 TAL 153.84 TAP 283.59 RCA 91.68 APO 155.88 V2 34.822
 RC 43.312 GL -21.76 GP 12.38 ZAL 50.77 ZAP 14.41 ETS 301.95 ZAE 155.47 ETE 81.43 ZAC 104.71 ETC 19.13 CLP -7.44

PLANETOCENTRIC CONIC

C3 29.127 VHL 5.397 DLA -14.91 RAL 159.48 RAD 6568.2 VEL 12.268 PTH 2.21 VHP 8.691 DPA 23.72 RAP 164.39 ECC 1.4794
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 47 37 1824.04 -8.58 18.10 25.35 117.09 10 18 1 1224.0 -4.88 11.37
 90.00 17 49 27 5432.85 28.15 249.96 33.08 86.78 19 19 59 4832.8 27.41 241.38
 100.00 11 0 54 1587.58 -9.86 .03 24.67 118.36 11 27 21 987.6 -5.99 353.38
 100.00 19 18 51 5144.53 29.59 228.65 32.97 85.57 20 44 35 4544.5 28.66 219.96
 110.00 11 51 9 1430.17 -13.17 346.13 22.71 121.83 12 14 59 830.2 -8.87 339.68
 110.00 20 45 5 4874.71 33.39 207.68 32.49 82.24 22 6 19 4274.7 31.96 198.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0937 TRA-2.1218 TC3 -.0087 BAU .1000
 RDE -.0459 RRA -.3592 RC3 .2568 FAU .02686
 FDE-1.5799 FRA 2.0446 FC3 -.7984 BSP 8530
 BDE 1.0947 BRA 2.1520 BC3 .2569 FSP -729

SGT 2604.2 SGR 484.7 SG3 233.4
 RRT .6819 RRF -.7341 RTF -.9395
 SGB 2648.9 R23 -.1116 R13 -.9415
 SG1 2625.5 SG2 351.6 THA 7.37

ST 1355.4 SR 128.3 SS 1357.5
 CRT .1507 CRS -.0075 CST .9871
 LSA 1912.1 MSA 199.6 SSA 15.3
 EL1 1355.6 EL2 126.8 ALF .82

LAUNCH DATE APR 25 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 328.488

RL 150.48 LAL -0.00 LOL 214.11 VL 26.410 GAL 8.16 AZL 94.64 MCA 132.91 SMA 124.46 ECC .25100 INC 4.6358 V1 29.609
 RP 108.80 LAP -3.39 LOP 347.11 VP 37.057 GAP -12.65 AZP 86.84 TAL 153.72 TAP 286.63 RCA 93.22 APO 155.70 V2 34.830
 RC 43.796 GL -23.60 GP 13.68 ZAL 51.49 ZAP 16.38 ETS 304.57 ZAE 153.77 ETE 75.96 ZAC 102.89 ETC 18.89 CLP -9.08

PLANETOCENTRIC CONIC

C3 27.856 VHL 5.278 DLA -16.54 RAL 158.61 RAD 6568.1 VEL 12.216 PTH 2.20 VHP 8.311 DPA 24.33 RAP 166.45 ECC 1.4584
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 59 30 1753.39 -6.37 14.08 24.02 117.65 10 28 43 1153.4 -2.62 7.41
 90.00 17 30 37 5481.21 28.28 253.49 32.09 88.55 19 1 58 4881.2 27.78 244.86
 100.00 11 11 30 1521.06 -7.69 356.29 23.30 118.98 11 36 51 921.1 -3.76 349.70
 100.00 19 1 18 5188.77 29.78 231.92 32.03 87.28 20 27 47 4588.8 29.08 223.18
 110.00 11 59 5 1371.97 -11.06 342.95 21.27 122.55 12 21 57 772.0 -6.69 336.58
 110.00 20 30 12 4910.62 33.69 210.44 31.67 83.85 21 52 2 4310.6 32.47 201.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1284 TRA-2.0884 TC3 .0306 BAU .1056 SGT 2663.6 SGR 517.8 SG3 275.7 ST 1415.6 SR 127.7 SS 1441.8
 ROE .0080 RRA -.3741 RC3 .2819 FAU .02836 RRT .7411 RRF -.7954 RTF -.9441 CRT .5579 CRS .4229 CST .9877
 FDE-1.7254 FRA 2.1277 FC3 -.8814 BSP 8837 SGB 2713.5 R23 -.1248 R13 -.9466 LSA 2015.3 MSA 193.2 SSA 14.6
 BDE 1.1285 BRA 2.1216 BC3 .2836 FSP -801 SGI 2691.6 SG2 344.0 THA 8.34 EL1 1417.4 EL2 105.9 ALF 2.90

LAUNCH DATE APR 25 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 335.214

RL 150.48 LAL -0.00 LOL 214.11 VL 26.513 GAL 7.87 AZL 94.88 MCA 136.07 SMA 125.09 ECC .24321 INC 4.8841 V1 29.609
 RP 108.78 LAP -3.39 LOP 350.29 VP 37.138 GAP -11.95 AZP 86.48 TAL 153.63 TAP 289.70 RCA 94.67 APO 155.52 V2 34.838
 RC 44.440 GL -25.57 GP 15.21 ZAL 52.34 ZAP 18.57 ETS 306.41 ZAE 151.77 ETE 71.53 ZAC 101.05 ETC 18.64 CLP -10.78

PLANETOCENTRIC CONIC

C3 26.838 VHL 5.181 DLA -18.29 RAL 157.63 RAD 6568.1 VEL 12.174 PTH 2.18 VHP 7.953 DPA 25.16 RAP 168.56 ECC 1.4417
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 13 0 1677.78 -3.96 9.83 22.83 118.06 10 40 58 1077.8 -1.18 3.19
 90.00 17 9 16 5538.29 28.31 257.67 31.16 90.64 18 41 34 4938.3 28.10 249.01
 100.00 11 23 25 1450.54 -5.34 352.37 22.07 119.45 11 47 36 850.5 -1.38 345.82
 100.00 18 41 32 5240.77 29.89 235.78 31.15 89.31 20 8 52 4640.8 29.47 227.00
 110.00 12 7 50 1311.38 -8.82 339.68 19.94 123.16 12 29 41 711.4 -4.39 333.39
 110.00 20 13 36 4952.69 33.95 213.70 30.95 85.76 21 36 9 4352.7 32.99 204.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1644 TRA-2.0577 TC3 .0636 BAU .1130 SGT 2721.6 SGR 565.4 SG3 299.5 ST 1474.9 SR 158.0 SS 1531.2
 ROE .0690 RRA -.3950 RC3 .3086 FAU .02977 RRT .7941 RRF -.8494 RTF -.9478 CRT .8476 CRS .7572 CST .9880
 FDE-1.8891 FRA 2.2157 FC3 -.9602 BSP 9027 SGB 2779.8 R23 -.1397 R13 -.9509 LSA 2123.5 MSA 188.8 SSA 13.8
 BDE 1.1664 BRA 2.0992 BC3 .3151 FSP -874 SGI 2759.0 SG2 339.0 THA 9.51 EL1 1481.0 EL2 83.5 ALF 5.20

LAUNCH DATE APR 25 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 341.930

RL 150.48 LAL -0.00 LOL 214.11 VL 26.607 GAL 7.59 AZL 95.16 MCA 139.24 SMA 125.69 ECC .23594 INC 5.1627 V1 29.609
 RP 108.75 LAP -3.37 LOP 353.47 VP 37.213 GAP -11.27 AZP 86.09 TAL 153.56 TAP 292.80 RCA 96.03 APO 155.34 V2 34.846
 RC 43.237 GL -27.69 GP 16.99 ZAL 53.32 ZAP 21.00 ETS 307.62 ZAE 149.52 ETE 68.10 ZAC 99.21 ETC 18.39 CLP -12.54

PLANETOCENTRIC CONIC

C3 26.081 VHL 5.107 DLA -20.14 RAL 156.52 RAD 6568.1 VEL 12.143 PTH 2.18 VHP 7.620 DPA 26.23 RAP 170.74 ECC 1.4292
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 28 47 1595.30 -1.31 5.22 21.84 118.29 10 55 23 995.3 2.48 358.59
 90.00 16 44 37 5606.59 28.16 262.66 30.25 93.14 18 18 4 5006.6 28.30 254.00
 100.00 11 37 10 1374.66 -2.79 348.18 21.02 119.77 12 0 4 774.7 1.20 341.66
 100.00 18 18 56 5302.47 29.85 240.37 30.34 91.72 19 47 19 4702.5 29.77 231.56
 110.00 12 17 39 1247.78 -6.43 336.30 18.76 123.64 12 38 27 647.8 -1.97 330.06
 110.00 19 54 56 5002.12 34.13 217.55 30.32 88.03 21 18 18 4402.1 33.48 208.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2118 TRA-2.0213 TC3 .1012 BAU .1228 SGT 2773.6 SGR 630.9 SG3 324.7 ST 1540.6 SR 218.6 SS 1629.1
 ROE .1402 RRA -.4223 RC3 .3372 FAU .03128 RRT .8391 RRF -.8939 RTF -.9518 CRT .9611 CRS .9100 CST .9887
 FDE-2.0794 FRA 2.3008 FC3 -1.0382 BSP 9305 SGB 2844.5 R23 -.1531 R13 -.9556 LSA 2245.2 MSA 184.0 SSA 12.9
 BDE 1.2199 BRA 2.0649 BC3 .3521 FSP -957 SGI 2824.4 SG2 337.0 THA 10.96 EL1 1554.9 EL2 59.8 ALF 7.78

LAUNCH DATE APR 25 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 348.635

RL 150.48 LAL -0.00 LOL 214.11 VL 26.695 GAL 7.33 AZL 95.48 MCA 142.40 SMA 126.25 ECC .22918 INC 5.4798 V1 29.609
 RP 108.72 LAP -3.34 LOP 356.64 VP 37.284 GAP -10.61 AZP 85.65 TAL 153.52 TAP 295.92 RCA 97.31 APO 155.18 V2 34.856
 RC 46.178 GL -29.98 GP 19.09 ZAL 54.46 ZAP 23.72 ETS 308.30 ZAE 147.03 ETE 65.57 ZAC 97.33 ETC 18.12 CLP -14.35

PLANETOCENTRIC CONIC

C3 25.608 VHL 5.060 DLA -22.12 RAL 155.27 RAD 6568.0 VEL 12.124 PTH 2.17 VHP 7.314 DPA 27.60 RAP 173.04 ECC 1.4214
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 48 3 1502.60 1.68 .05 21.11 118.27 11 13 5 902.6 5.45 353.40
 90.00 16 15 24 5690.23 27.70 268.73 29.35 96.15 17 50 15 5090.2 28.26 260.11
 100.00 11 53 33 1291.19 .04 343.60 20.20 119.89 12 15 4 691.2 4.02 337.07
 100.00 17 52 35 5376.88 29.57 245.88 29.55 94.61 19 22 12 4776.9 29.89 237.09
 110.00 12 28 56 1180.26 -3.87 332.75 17.75 123.99 12 48 36 580.3 .61 326.54
 110.00 19 33 41 5060.57 34.18 222.11 29.81 90.73 20 58 2 4460.6 33.90 212.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2748 TRA-1.9767 TC3 .1463 BAU .1356 SGT 2818.2 SGR 718.4 SG3 350.9 ST 1615.2 SR 306.0 SS 1736.5
 ROE .2259 RRA -.4569 RC3 .3682 FAU .03293 RRT .8759 RRF -.9282 RTF -.9563 CRT .9929 CRS .9669 CST .9898
 FDE-2.3014 FRA 2.3770 FC3 -1.1134 BSP 9732 SGB 2908.3 R23 -.1624 R13 -.9609 LSA 2384.5 MSA 178.2 SSA 11.9
 BDE 1.2947 BRA 2.0288 BC3 .3962 FSP -1053 SGI 2888.6 SG2 338.1 THA 12.77 EL1 1643.5 EL2 35.8 ALF 10.66

LAUNCH DATE APR 25 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 355.319

RL 150.48 LAL -.00 LOL 214.11 VL 26.775 GAL 7.08 AZL 95.85 MCA 145.57 SMA 126.76 ECC .22289 INC 5.8462 V1 29.609
 RP 108.69 LAP -3.30 LOP 359.82 VP 37.351 GAP -9.97 AZP 85.17 TAL 153.50 TAP 299.08 RCA 98.51 APO 155.02 V2 34.865
 RC 47.255 GL -32.45 GP 21.59 ZAL 55.77 ZAP 26.78 ETS 308.54 ZAE 144.27 ETE 63.87 ZAC 95.42 ETC 17.82 CLP -16.24

PLANETOCENTRIC CONIC

C3 25.448 VHL 5.045 DLA -24.24 RAL 153.85 RAD 6568.0 VEL 12.117 PTH 2.17 VHP 7.043 DPA 29.34 RAP 175.51 ECC 1.4188
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 13 9 1392.42 5.22 353.88 20.77 117.87 11 36 21 792.4 8.91 347.15
 90.00 15 39 0 5797.31 26.68 276.40 28.34 99.86 17 15 38 5197.3 27.77 267.91
 100.00 12 14 4 1195.77 3.27 338.36 19.70 119.73 12 34 0 595.8 7.21 331.78
 100.00 17 20 46 5469.20 28.87 252.65 28.74 98.11 18 51 56 4869.2 29.69 243.95
 110.00 12 42 17 1107.27 -1.09 328.94 16.98 124.17 13 0 44 507.3 3.40 322.73
 110.00 19 9 3 5130.47 33.98 227.56 29.37 93.95 20 34 33 4530.5 34.16 218.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.4309 TRA-1.8498 TC3 .3134 BAU .1768 SGT 2837.5 SGR 834.8 SG3 378.8 ST 1766.1 SR 427.3 SS 1886.9
 RDE .3396 RRA -.4905 RC3 .4144 FAU .03739 RRT .9148 RRF -.9535 RTF -.9686 CRT .9989 CRS .9881 CST .9937
 FDE-2.6159 FRA 2.3744 FC3-1.2720 BSP 12111 SGB 2957.6 R23 -.1374 R13 -.9732 LSA 2615.2 MSA 150.5 SSA 10.8
 BDE 1.4707 BRA 1.9137 BC3 .5196 FSP -1285 SG1 2939.6 SG2 325.4 TMA 15.26 EL1 1817.0 EL2 19.9 ALF 13.59

LAUNCH DATE APR 25 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 362.009

RL 150.48 LAL -.00 LOL 214.11 VL 26.849 GAL 6.86 AZL 96.28 MCA 148.74 SMA 127.24 ECC .21712 INC 6.2772 V1 29.609
 RP 108.66 LAP -3.25 LOP 3.01 VP 37.413 GAP -9.35 AZP 84.63 TAL 153.49 TAP 302.23 RCA 99.62 APO 154.87 V2 34.875
 RC 48.458 GL -35.11 GP 24.57 ZAL 57.23 ZAP 30.22 ETS 308.39 ZAE 141.20 ETE 62.87 ZAC 93.43 ETC 17.45 CLP -18.17

PLANETOCENTRIC CONIC

C3 25.686 VHL 5.068 DLA -26.51 RAL 152.28 RAD 6568.0 VEL 12.127 PTH 2.17 VHP 6.815 DPA 31.50 RAP 178.22 ECC 1.4227
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 51 5 1243.97 9.86 345.44 21.22 116.68 12 11 48 644.0 13.36 338.52
 90.00 14 48 31 662.34 24.45 309.15 26.98 104.75 14 59 33 62.3 26.24 300.93
 100.00 12 42 11 1078.89 7.19 331.89 19.79 119.09 13 0 10 478.9 11.01 325.19
 100.00 16 40 5 5590.69 27.39 261.38 27.77 102.47 18 13 16 4990.7 28.83 252.87
 110.00 12 58 51 1026.58 2.00 324.73 16.59 124.13 13 15 58 426.6 6.46 318.49
 110.00 18 39 55 5215.77 33.39 234.15 29.01 97.80 20 6 50 4615.8 34.10 224.98

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.3870 TRA-1.9366 TC3 .1357 BAU .1516 SGT 2909.1 SGR 976.1 SG3 400.9 ST 1731.3 SR 558.8 SS 1942.9
 RDE .4568 RRA -.5623 RC3 .4202 FAU .03347 RRT .9178 RRF -.9698 RTF -.9589 CRT .9987 CRS .9953 CST .9899
 FDE-2.7919 FRA 2.5360 FC3-1.1281 BSP 9349 SGB 3068.5 R23 -.1895 R13 -.9668 LSA 2655.2 MSA 184.7 SSA 9.7
 BDE 1.4603 BRA 2.0166 BC3 .4416 FSP -1157 SG1 3046.1 SG2 370.0 TMA 17.38 EL1 1819.0 EL2 27.0 ALF 17.87

LAUNCH DATE APR 25 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 368.670

RL 150.48 LAL -.00 LOL 214.11 VL 26.916 GAL 6.65 AZL 96.80 MCA 151.91 SMA 127.69 ECC .21178 INC 6.7950 V1 29.609
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.472 GAP -8.74 AZP 84.00 TAL 153.51 TAP 305.42 RCA 100.65 APO 154.73 V2 34.886
 RC 49.776 GL -38.00 GP 28.14 ZAL 58.91 ZAP 34.13 ETS 307.92 ZAE 137.73 ETE 62.50 ZAC 91.36 ETC 16.97 CLP -20.16

PLANETOCENTRIC CONIC

C3 26.401 VHL 5.138 DLA -28.94 RAL 150.47 RAD 6568.1 VEL 12.156 PTH 2.18 VHP 6.642 DPA 34.19 RAP 181.30 ECC 1.4345
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.74 12 20 31 1128.30 18.31 341.01 23.69 112.82 12 39 20 528.3 21.24 333.52
 96.26 14 4 36 791.58 18.33 316.34 23.70 112.80 14 17 48 191.6 21.26 308.84
 100.00 13 30 46 900.42 12.93 321.76 21.09 117.19 13 45 46 300.4 16.48 314.76
 100.00 15 37 3 5782.74 23.88 274.55 25.94 108.54 17 13 26 5182.7 26.19 266.51
 110.00 13 20 37 932.34 5.58 319.79 16.71 123.78 13 36 9 332.3 9.98 313.46
 110.00 18 3 41 5323.58 32.09 242.29 28.52 102.45 19 32 25 4723.6 33.47 233.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.5025 TRA-1.8856 TC3 .1649 BAU .1682 SGT 2934.1 SGR 1157.9 SG3 421.6 ST 1823.9 SR 739.0 SS 2061.7
 RDE .6266 RRA -.6286 RC3 .4470 FAU .03400 RRT .9340 RRF -.9810 RTF -.9631 CRT .9971 CRS .9984 CST .9913
 FDE-3.1007 FRA 2.5486 FC3-1.1149 BSP 9916 SGB 3154.3 R23 -.1831 R13 -.9727 LSA 2844.5 MSA 179.9 SSA 8.5
 BDE 1.6279 BRA 1.9876 BC3 .4765 FSP -1247 SG1 3130.4 SG2 387.9 TMA 20.56 EL1 1967.2 EL2 52.5 ALF 22.01

LAUNCH DATE APR 25 1967

FLIGHT TIME 148.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 375.316

RL 150.48 LAL -.00 LOL 214.11 VL 26.978 GAL 6.46 AZL 97.43 MCA 155.08 SMA 128.10 ECC .20688 INC 7.4329 V1 29.609
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.526 GAP -8.15 AZP 83.25 TAL 153.54 TAP 308.61 RCA 101.60 APO 154.60 V2 34.897
 RC 51.201 GL -41.14 GP 32.43 ZAL 60.81 ZAP 38.59 ETS 307.17 ZAE 133.72 ETE 62.60 ZAC 89.16 ETC 16.31 CLP -22.17

PLANETOCENTRIC CONIC

C3 27.780 VHL 5.271 DLA -31.56 RAL 148.38 RAD 6568.1 VEL 12.213 PTH 2.19 VHP 6.546 DPA 37.48 RAP 184.92 ECC 1.4572
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.44 11 9 39 1340.29 19.50 357.37 23.16 115.33 11 31 59 740.3 22.75 349.95
 104.56 14 58 50 604.90 19.51 302.99 23.17 115.31 15 8 55 4.9 22.76 295.57
 75.44 11 9 39 1340.29 19.50 357.37 23.16 115.33 11 31 59 740.3 22.75 349.95
 104.56 14 58 50 604.90 19.51 302.99 23.17 115.31 15 8 55 4.9 22.76 295.57
 110.00 13 53 8 809.55 10.18 313.25 17.81 122.81 14 6 38 209.6 14.43 306.73
 110.00 17 14 31 5471.68 29.41 252.99 27.51 108.26 18 45 43 4871.7 31.62 244.48

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.6408 TRA-1.8429 TC3 .1703 BAU .1834 SGT 2956.6 SGR 1380.7 SG3 434.6 ST 1918.1 SR 962.1 SS 2170.6
 RDE .8491 RRA -.7079 RC3 .4635 FAU .03321 RRT .9449 RRF -.9880 RTF -.9663 CRT .9958 CRS .9995 CST .9924
 FDE-3.4175 FRA 2.5166 FC3-1.0349 BSP 10357 SGB 3263.2 R23 -.1732 R13 -.9779 LSA 3047.0 MSA 177.9 SSA 7.4
 BDE 1.8474 BRA 1.9742 BC3 .4938 FSP -1302 SG1 3237.0 SG2 412.7 TMA 24.23 EL1 2144.4 EL2 79.0 ALF 26.58

LAUNCH DATE APR 25 1967

FLIGHT TIME 150.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

RL 150.48 LAL -.00 LOL 214.11 VL 27.034 GAL 6.28 AZL 98.24 HCA 158.24 SMA 128.47 ECC .20241 INC 8.2439 V1 29.609
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.577 GAP -7.57 AZP 82.34 TAL 153.57 TAP 311.81 RCA 102.47 APO 154.47 V2 34.908
 RC 52.722 GL -44.58 GP 37.60 ZAL 62.98 ZAP 43.70 ETS 306.15 ZAE 129.02 ETE 62.99 ZAC 86.79 ETC 15.36 CLP -24.14

PLANETOCENTRIC CONIC

C3 30.138 VHL 5.490 OLA -34.37 RAL 145.94 RAD 6568.2 VEL 12.309 PTH 2.22 VHP 6.560 DPA 41.44 RAP 189.41 ECC 1.4960
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.65 10 22 46 1475.55 20.45 8.28 22.89 118.25 10 47 22 875.5 24.06 .98
 110.35 15 26 16 5798.42 20.46 274.14 22.90 118.24 17 2 55 5198.4 24.07 266.84
 69.65 10 22 46 1475.55 20.45 8.28 22.89 118.25 10 47 22 875.5 24.06 .98
 110.35 15 26 16 5798.42 20.46 274.14 22.90 118.24 17 2 55 5198.4 24.07 266.84
 69.65 10 22 46 1475.55 20.45 8.28 22.89 118.25 10 47 22 875.5 24.06 .98
 110.35 15 26 16 5798.42 20.46 274.14 22.90 118.24 17 2 55 5198.4 24.07 266.84

DIFFERENTIAL CORRECTIONS

TOE 1.8217 TRA-1.8086 TC3 .1554 BAU .1965
 RDE 1.1472 RRA -.7985 RC3 .4622 FAU .03071
 FDE-3.7203 FRA 2.4156 FC3 -.8822 BSP 10777
 BDE 2.1528 BRA 1.9770 BC3 .4876 FSP -1311

MID-COURSE EXECUTION ACCURACY

SGT 2978.9 SGR 1646.3 SG3 435.0
 RRT .9526 RRF -.9923 RTF -.9691
 SGB 3403.6 R23 -.1586 R13 -.9827
 SG1 3374.8 SG2 442.0 TMA 28.29

ORBIT DETERMINATION ACCURACY

ST 2021.2 SR 1235.1 SS 2261.1
 CRT .9951 CRS .9999 CST .9934
 LSA 3269.8 MSA 177.3 SSA 6.4
 EL1 2366.4 EL2 104.3 ALF 31.37

LAUNCH DATE APR 25 1967

FLIGHT TIME 152.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

RL 150.48 LAL -.00 LOL 214.11 VL 27.084 GAL 6.12 AZL 99.32 HCA 161.41 SMA 128.81 ECC .19835 INC 9.3164 V1 29.609
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.624 GAP -7.01 AZP 81.16 TAL 153.61 TAP 315.02 RCA 103.26 APO 154.36 V2 34.920
 RC 54.330 GL -48.32 GP 43.77 ZAL 65.46 ZAP 49.52 ETS 304.85 ZAE 123.45 ETE 63.39 ZAC 84.20 ETC 13.88 CLP -25.96

PLANETOCENTRIC CONIC

C3 34.071 VHL 5.837 OLA -37.36 RAL 143.04 RAD 6568.3 VEL 12.468 PTH 2.26 VHP 6.742 DPA 46.05 RAP 195.28 ECC 1.5607
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 64.53 9 42 54 1590.90 20.97 17.80 22.90 121.66 10 9 25 990.9 25.00 10.71
 115.47 15 43 0 5744.80 20.98 270.19 22.91 121.65 17 18 45 5144.8 25.01 263.09
 64.53 9 42 54 1590.90 20.97 17.80 22.90 121.66 10 9 25 990.9 25.00 10.71
 115.47 15 43 0 5744.80 20.98 270.19 22.91 121.65 17 18 45 5144.8 25.01 263.09
 64.53 9 42 54 1590.90 20.97 17.80 22.90 121.66 10 9 25 990.9 25.00 10.71
 115.47 15 43 0 5744.80 20.98 270.19 22.91 121.65 17 18 45 5144.8 25.01 263.09

DIFFERENTIAL CORRECTIONS

TOE 2.0842 TRA-1.7799 TC3 .1305 BAU .2069
 RDE 1.5549 RRA -.8905 RC3 .4351 FAU .02635
 FDE-3.9738 FRA 2.2130 FC3 -.6696 BSP 11401
 BDE 2.6004 BRA 1.9902 BC3 .4543 FSP -1272

MID-COURSE EXECUTION ACCURACY

SGT 3006.8 SGR 1948.6 SG3 417.0
 RRT .9588 RRF -.9948 RTF -.9721
 SGB 3583.0 R23 -.1389 R13 -.9872
 SG1 3552.2 SG2 468.7 TMA 32.49

ORBIT DETERMINATION ACCURACY

ST 2149.5 SR 1561.6 SS 2321.9
 CRT .9951 CRS 1.0000 CST .9945
 LSA 3524.2 MSA 175.6 SSA 5.4
 EL1 2654.0 EL2 125.3 ALF 35.96

LAUNCH DATE APR 25 1967

FLIGHT TIME 154.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

RL 150.48 LAL -.00 LOL 214.11 VL 27.130 GAL 5.98 AZL 100.81 HCA 164.56 SMA 129.13 ECC .19469 INC10.8110 V1 29.609
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.669 GAP -6.46 AZP 79.57 TAL 153.64 TAP 318.21 RCA 103.99 APO 154.27 V2 34.932
 RC 56.016 GL -52.39 GP 51.06 ZAL 68.30 ZAP 56.05 ETS 303.05 ZAE 116.82 ETE 63.29 ZAC 81.34 ETC 11.42 CLP -27.31

PLANETOCENTRIC CONIC

C3 40.818 VHL 6.389 OLA -40.49 RAL 139.52 RAD 6568.6 VEL 12.735 PTH 2.32 VHP 7.200 DPA 51.13 RAP 203.41 ECC 1.6718
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.75 9 5 53 1702.39 20.73 26.91 23.20 125.60 9 34 15 1102.4 25.23 20.15
 120.25 15 51 55 5724.61 20.74 268.34 23.21 125.59 17 27 19 5124.6 25.24 261.57
 59.75 9 5 53 1702.39 20.73 26.91 23.20 125.60 9 34 15 1102.4 25.23 20.15
 120.25 15 51 55 5724.61 20.74 268.34 23.21 125.59 17 27 19 5124.6 25.24 261.57
 59.75 9 5 53 1702.39 20.73 26.91 23.20 125.60 9 34 15 1102.4 25.23 20.15
 120.25 15 51 55 5724.61 20.74 268.34 23.21 125.59 17 27 19 5124.6 25.24 261.57

DIFFERENTIAL CORRECTIONS

TOE 2.4906 TRA-1.7742 TC3 .0886 BAU .2065
 RDE 2.1144 RRA -.9667 RC3 .3680 FAU .01955
 FDE-4.1124 FRA 1.9015 FC3 -.4146 BSP 12108
 BDE 3.2670 BRA 2.0205 BC3 .3785 FSP -1153

MID-COURSE EXECUTION ACCURACY

SGT 3082.6 SGR 2261.8 SG3 375.7
 RRT .9634 RRF -.9962 RTF -.9753
 SGB 3807.3 R23 -.1177 R13 -.9909
 SG1 3775.3 SG2 491.9 TMA 36.14

ORBIT DETERMINATION ACCURACY

ST 2320.1 SR 1926.8 SS 2332.1
 CRT .9954 CRS 1.0000 CST .9956
 LSA 3808.4 MSA 173.8 SSA 4.5
 EL1 3012.5 EL2 141.8 ALF 39.69

LAUNCH DATE APR 25 1967

FLIGHT TIME 156.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

RL 150.48 LAL -.00 LOL 214.11 VL 27.171 GAL 5.85 AZL 103.05 HCA 167.71 SMA 129.41 ECC .19144 INC13.0513 V1 29.609
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.710 GAP -5.94 AZP 77.24 TAL 153.67 TAP 321.37 RCA 104.63 APO 154.18 V2 34.945
 RC 57.772 GL -56.72 GP 59.47 ZAL 71.57 ZAP 63.18 ETS 299.92 ZAE 108.98 ETE 61.51 ZAC 78.12 ETC 6.84 CLP -27.36

PLANETOCENTRIC CONIC

C3 53.307 VHL 7.301 OLA -43.62 RAL 135.15 RAD 6568.9 VEL 13.216 PTH 2.41 VHP 8.145 DPA 56.09 RAP 215.28 ECC 1.8773
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 55.32 8 29 44 1820.43 19.20 35.98 23.69 129.95 9 0 5 1220.4 24.21 29.68
 124.68 15 53 11 5740.30 19.22 268.45 23.71 129.94 17 28 52 5140.3 24.23 262.15
 55.32 8 29 44 1820.43 19.20 35.98 23.69 129.95 9 0 5 1220.4 24.21 29.68
 124.68 15 53 11 5740.30 19.22 268.45 23.71 129.94 17 28 52 5140.3 24.23 262.15
 55.32 8 29 44 1820.43 19.20 35.98 23.69 129.95 9 0 5 1220.4 24.21 29.68
 124.68 15 53 11 5740.30 19.22 268.45 23.71 129.94 17 28 52 5140.3 24.23 262.15

DIFFERENTIAL CORRECTIONS

TOE 3.2125 TRA-1.8217 TC3 .0318 BAU .1807
 RDE 2.8601 RRA -.9793 RC3 .2515 FAU .01039
 FDE-4.0703 FRA 1.4986 FC3 -.1687 BSP 12887
 BDE 4.3012 BRA 2.0682 BC3 .2535 FSP -951

MID-COURSE EXECUTION ACCURACY

SGT 3202.6 SGR 2509.8 SG3 310.3
 RRT .9668 RRF -.9965 RTF -.9798
 SGB 4058.9 R23 -.0963 R13 -.9939
 SG1 4037.0 SG2 508.6 TMA 37.86

ORBIT DETERMINATION ACCURACY

ST 2589.7 SR 2266.9 SS 2273.8
 CRT .9960 CRS .9999 CST .9968
 LSA 4121.4 MSA 171.4 SSA 3.5
 EL1 3438.3 EL2 153.4 ALF 41.18

LAUNCH DATE APR 25 1967 FLIGHT TIME 158.00 ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC
 RL 150.48 LAL -.00 LOL 214.11 VL 27.208 GAL 5.75 AZL 106.79 MCA 170.82 SMA 129.66 ECC .18861 INC16.7946 V1 29.609
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.748 GAP -5.43 AZP 73.41 TAL 153.66 TAP 324.48 RCA 105.21 APO 154.12 V2 34.957
 RC 59.590 GL -61.04 GP 68.82 ZAL 75.33 ZAP 70.61 ETS 291.71 ZAE 99.78 ETE 54.01 ZAC 74.35 ETC 356.05 CLP -23.20

PLANETOCENTRIC CONIC
 C3 79.919 VHL 8.940 DLA -46.33 RAL 129.70 RAD 6569.6 VEL 14.187 PTH 2.58 VHP 10.063 DPA 59.60 RAP 232.69 ECC 2.3153
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.66 7 54 8 1953.45 15.64 44.84 24.19 134.19 8 26 42 1353.4 21.12 39.12
 128.34 15 45 18 5801.10 15.65 270.66 24.20 134.19 17 21 59 5201.1 21.13 264.94
 51.66 7 54 8 1953.45 15.64 44.84 24.19 134.19 8 26 42 1353.4 21.12 39.12
 128.34 15 45 18 5801.10 15.65 270.66 24.20 134.19 17 21 59 5201.1 21.13 264.94
 51.66 7 54 8 1953.45 15.64 44.84 24.19 134.19 8 26 42 1353.4 21.12 39.12
 128.34 15 45 18 5801.10 15.65 270.66 24.20 134.19 17 21 59 5201.1 21.13 264.94

DIFFERENTIAL CORRECTIONS
 TDE 4.8039 TRA-2.0035 TC3 -.0426 BAU .1144
 RDE 3.6183 RRA -.7572 RC3 .0983 FAU-.00035
 FDE-3.8283 FRA 1.0665 FC3 .0037 BSP 13671
 BDE 6.0141 BRA 2.1418 BC3 .1071 FSP -695

MID-COURSE EXECUTION ACCURACY
 SGT 3597.7 SGR 2429.5 SG3 228.6
 RRT .9649 RRF -.9932 RTF -.9871
 SGB 4341.2 R23 -.0738 R13 -.9965
 SG1 4308.3 SG2 533.1 TMA 33.67

ORBIT DETERMINATION ACCURACY
 ST 3129.0 SR 2328.6 SS 2148.8
 CRT .9961 CRS .9996 CST .9983
 LSA 4449.7 MSA 173.3 SSA 2.4
 EL1 3896.8 EL2 165.5 ALF 36.63

LAUNCH DATE APR 25 1967 FLIGHT TIME 160.00 ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC
 RL 150.48 LAL -.00 LOL 214.11 VL 27.241 GAL 5.68 AZL 114.27 MCA 173.86 SMA 129.89 ECC .18626 INC24.2722 V1 29.609
 RP 108.37 LAP -2.32 LOP 28.52 VP 37.784 GAP -4.95 AZP 65.85 TAL 153.59 TAP 327.45 RCA 105.69 APO 154.08 V2 34.970
 RC 61.464 GL -64.23 GP 77.81 ZAL 79.60 ZAP 77.81 ETS 255.85 ZAE 88.64 ETE 18.23 ZAC 69.27 ETC 316.06 CLP .69

PLANETOCENTRIC CONIC
 C3 153.114 VHL 12.374 DLA -47.41 RAL 123.27 RAD 6570.7 VEL 16.566 PTH 2.88 VHP 14.347 DPA 59.01 RAP 255.62 ECC 3.5199
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 50.25 7 23 26 2099.59 9.38 52.25 24.51 136.69 7 58 26 1499.6 15.15 47.00
 129.75 15 24 42 633.80 9.40 297.75 24.53 136.69 15 35 15 33.8 15.17 292.49
 50.25 7 23 26 2099.59 9.38 52.25 24.51 136.69 7 58 26 1499.6 15.15 47.00
 129.75 15 24 42 633.80 9.40 297.75 24.53 136.69 15 35 15 33.8 15.17 292.49
 50.25 7 23 26 2099.59 9.38 52.25 24.51 136.69 7 58 26 1499.6 15.15 47.00
 129.75 15 24 42 633.80 9.40 297.75 24.53 136.69 15 35 15 33.8 15.17 292.49

DIFFERENTIAL CORRECTIONS
 TDE 9.0952 TRA-2.1978 TC3 -.1669 BAU .3501
 RDE 1.3887 RRA .7778 RC3 .0372 FAU-.01277
 FDE-3.9183 FRA .7218 FC3 .0722 BSP 14257
 BDE 9.2006 BRA 2.3314 BC3 .1710 FSP -445

MID-COURSE EXECUTION ACCURACY
 SGT 4490.8 SGR 839.7 SG3 147.9
 RRT .4959 RRF -.5346 RTF -.9988
 SGB 4568.6 R23 -.0300 R13 -.9993
 SG1 4510.6 SG2 726.0 TMA 5.44

ORBIT DETERMINATION ACCURACY
 ST 4235.5 SR 662.6 SS 2027.9
 CRT .9393 CRS .9447 CST .9999
 LSA 4737.1 MSA 225.4 SSA 1.3
 EL1 4281.1 EL2 224.9 ALF 8.38

LAUNCH DATE APR 25 1967 FLIGHT TIME 162.00 ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC
 RL 150.48 LAL -.00 LOL 214.11 VL 27.270 GAL 5.68 AZL 134.87 MCA 176.61 SMA 130.09 ECC .18480 INC44.8643 V1 29.609
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.816 GAP -4.57 AZP 45.18 TAL 153.28 TAP 329.89 RCA 106.05 APO 154.13 V2 34.983
 RC 63.388 GL -61.00 GP 73.22 ZAL 84.13 ZAP 83.99 ETS 190.56 ZAE 72.25 ETE 313.56 ZAC 59.63 ETC 243.22 CLP 68.75

PLANETOCENTRIC CONIC
 C3 479.038 VHL 21.887 DLA -42.00 RAL 118.14 RAD 6572.3 VEL 24.502 PTH 3.33 VHP 26.551 DPA 48.78 RAP 279.35 ECC 8.8838
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.58 7 31 8 2173.25 1.84 310.58 26.07 131.97 8 7 21 1573.3 7.17 46.01
 122.42 14 36 3 855.14 1.86 310.58 26.09 131.97 14 50 18 255.1 7.19 305.01
 57.58 7 31 8 2173.25 1.84 310.58 26.07 131.97 8 7 21 1573.3 7.17 46.01
 122.42 14 36 3 855.14 1.86 310.58 26.09 131.97 14 50 18 255.1 7.19 305.01
 57.58 7 31 8 2173.25 1.84 310.58 26.07 131.97 8 7 21 1573.3 7.17 46.01
 122.42 14 36 3 855.14 1.86 310.58 26.09 131.97 14 50 18 255.1 7.19 305.01

DIFFERENTIAL CORRECTIONS
 TDE 9.5034 TRA .1412 TC3 -.1451 BAU 1.9968
 RDE-12.8809 RRA 3.4016 RC3 .2760 FAU-.03957
 FDE-3.6943 FRA .7048 FC3 .0715 BSP 13567
 BDE16.0073 BRA 3.4045 BC3 .3118 FSP -264

MID-COURSE EXECUTION ACCURACY
 SGT 2568.1 SGR 3776.9 SG3 90.4
 RRT -.9378 RRF -.9961 RTF -.9647
 SGB 4567.3 R23 -.0214 R13 .9997
 SG1 4505.8 SG2 747.2 TMA 123.57

ORBIT DETERMINATION ACCURACY
 ST 2487.9 SR 3391.3 SS 2225.2
 CRT -.9937 CRS -.9996 CST .9966
 LSA 4753.0 MSA 225.8 SSA .7
 EL1 4200.0 EL2 225.0 ALF 126.21

LAUNCH DATE APR 25 1967 FLIGHT TIME 164.00 ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC
 RL 150.48 LAL -.00 LOL 214.11 VL 27.295 GAL 5.07 AZL 19.50 MCA 182.39 SMA 130.26 ECC .17810 INC70.4983 V1 29.609
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.847 GAP -3.32 AZP 160.48 TAL 155.32 TAP 337.70 RCA 107.06 APO 153.46 V2 34.996
 RC 65.357 GL 51.18 GP -56.36 ZAL 86.60 ZAP 87.42 ETS 171.41 ZAE 68.51 ETE 51.25 ZAC 76.33 ETC 120.00 CLP 85.34

PLANETOCENTRIC CONIC
 C31082.094 VHL 32.895 DLA 65.11 RAL 161.49 RAD 6573.0 VEL 34.690 PTH 3.51 VHP 43.405 DPA -75.72 RAP 338.89 ECC18.8085
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 28.56 20 53 21 5067.23 .59 244.08 71.78 24.89 22 17 48 4467.2 -6.67 241.12
 151.44 6 59 45 3349.54 .60 100.21 71.76 24.89 7 55 35 2749.5 -6.66 97.25
 28.56 20 53 21 5067.23 .59 244.08 71.78 24.89 22 17 48 4467.2 -6.67 241.12
 151.44 6 59 45 3349.54 .60 100.21 71.76 24.89 7 55 35 2749.5 -6.66 97.25
 28.56 20 53 21 5067.23 .59 244.08 71.78 24.89 22 17 48 4467.2 -6.67 241.12
 151.44 6 59 45 3349.54 .60 100.21 71.76 24.89 7 55 35 2749.5 -6.66 97.25

DIFFERENTIAL CORRECTIONS
 TDE-6.3056 TRA-3.0677 TC3 -.1588 BAU 4.6419
 RDE-5.6937 RRA-7.4346 RC3 -.2788 FAU-.08163
 FDE 1.4699 FRA 1.7271 FC3 .0653 BSP 11514
 BDE 8.4959 BRA 8.0426 BC3 .3209 FSP -213

MID-COURSE EXECUTION ACCURACY
 SGT 1977.3 SGR 3717.0 SG3 75.4
 RRT .9405 RRF -.9996 RTF -.9493
 SGB 4210.2 R23 -.0466 R13 -.9989
 SG1 4167.4 SG2 599.3 TMA 62.81

ORBIT DETERMINATION ACCURACY
 ST 1162.9 SR 1356.0 SS 1253.4
 CRT .9148 CRS .9986 CST .9347
 LSA 2148.0 MSA 384.4 SSA .7
 EL1 1748.8 EL2 364.1 ALF 49.78

LAUNCH DATE APR 25 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 435.382

RL 150.48 LAL -.00 LOL 214.11 VL 27.317 GAL 5.23 AZL 62.21 MCA 184.52 SMA 130.41 ECC .17835 INC27.7910 V1 29.609
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.875 GAP -3.14 AZP 117.72 TAL 154.47 TAP 338.98 RCA 107.16 APO 153.67 V2 35.009
 RC 67.365 GL 65.05 GP -81.06 ZAL 81.66 ZAP 84.56 ETS 120.56 ZAE 92.50 ETE 5.99 ZAC 95.32 ETC 72.75 CLP 52.40

PLANETOCENTRIC CONIC

C3 195.691 VML 13.989 OLA 68.42 RAL 201.46 RAD 6571.1 VEL 17.805 PTH 2.99 VMP 19.362 DPA -74.39 RAP 101.94 ECC 4.2206
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 24.69 23 24 7 4923.26 -9.30 242.87 107.76 21.88 24 46 10 4323.3 -16.71 240.18
 155.31 9 47 50 3180.40 -9.29 94.76 107.74 21.88 10 40 50 2580.4 -16.70 92.08
 24.69 23 24 7 4923.26 -9.30 242.87 107.76 21.88 24 46 10 4323.3 -16.71 240.18
 155.31 9 47 50 3180.40 -9.29 94.76 107.74 21.88 10 40 50 2580.4 -16.70 92.08
 24.69 23 24 7 4923.26 -9.30 242.87 107.76 21.88 24 46 10 4323.3 -16.71 240.18
 155.31 9 47 50 3180.40 -9.29 94.76 107.74 21.88 10 40 50 2580.4 -16.70 92.08

DIFFERENTIAL CORRECTIONS

TDE 2.3582 TRA-4.1059 TC3 -.2196 BAU .6179
 RDE 2.0756 RRA-1.2344 RC3 -.0870 FAU-.01243
 FDE -.7588 FRA 1.1143 FC3 .0550 BSP 14854
 BDE 3.1415 BRA 4.2874 BC3 .2362 FSP -340

MID-COURSE EXECUTION ACCURACY

SGT 4714.1 SGR 1634.7 SG3 111.3
 RRT .9418 RRF -.9532 RTF -.9993
 SGB 4989.4 R23 -.0012 R13 -.9999
 SG1 4962.1 SG2 521.9 TMA 18.30

ORBIT DETERMINATION ACCURACY

ST 1677.9 SR 944.9 SS 811.4
 CRT .8749 CRS .9116 CST .9966
 LSA 2049.3 MSA 408.7 SSA .9
 EL1 1881.9 EL2 408.1 ALF 27.64

LAUNCH DATE APR 25 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 441.562

RL 150.48 LAL -.00 LOL 214.11 VL 27.335 GAL 5.24 AZL 74.79 MCA 187.46 SMA 130.54 ECC .17745 INC15.2139 V1 29.609
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.900 GAP -2.73 AZP 105.09 TAL 154.24 TAP 341.70 RCA 107.38 APO 153.71 V2 35.023
 RC 69.409 GL 61.30 GP -80.88 ZAL 75.52 ZAP 82.34 ETS 50.91 ZAE 103.85 ETE 299.33 ZAC 101.99 ETC 9.17 CLP -32.77

PLANETOCENTRIC CONIC

C3 66.322 VML 8.144 OLA 62.13 RAL 200.83 RAD 6569.3 VEL 13.700 PTH 2.50 VMP 11.765 DPA -64.18 RAP 119.32 ECC 2.0915
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 32.07 23 38 33 4678.84 -21.83 231.13 98.61 30.23 24 56 32 4078.8 -28.67 226.97
 147.93 9 28 21 2988.34 -21.81 91.31 98.59 30.23 10 18 10 2388.3 -28.66 87.14
 32.07 23 38 33 4678.84 -21.83 231.13 98.61 30.23 24 56 32 4078.8 -28.67 226.97
 147.93 9 28 21 2988.34 -21.81 91.31 98.59 30.23 10 18 10 2388.3 -28.66 87.14
 32.07 23 38 33 4678.84 -21.83 231.13 98.61 30.23 24 56 32 4078.8 -28.67 226.97
 147.93 9 28 21 2988.34 -21.81 91.31 98.59 30.23 10 18 10 2388.3 -28.66 87.14

DIFFERENTIAL CORRECTIONS

TDE 1.7593 TRA-1.7701 TC3 -.0149 BAU .1449
 RDE -.9003 RRA 2.7102 RC3 -.1628 FAU .00678
 FDE -.7814 FRA 1.3889 FC3 -.0885 BSP 15668
 BDE 1.9762 BRA 3.2371 BC3 .1635 FSP -592

MID-COURSE EXECUTION ACCURACY

SGT 2937.8 SGR 4136.7 SG3 187.2
 RRT -.9583 RRF .9947 RTF -.9815
 SGB 5073.7 R23 .0032 R13 .9996
 SG1 5026.4 SG2 691.1 TMA 125.00

ORBIT DETERMINATION ACCURACY

ST 1473.4 SR 1378.0 SS 847.7
 CRT -.8679 CRS -.9708 CST .9617
 LSA 2126.0 MSA 518.0 SSA -1.7
 EL1 1949.9 EL2 517.2 ALF 137.21

LAUNCH DATE APR 25 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 447.905

RL 150.48 LAL -.00 LOL 214.11 VL 27.351 GAL 5.24 AZL 80.16 MCA 190.55 SMA 130.65 ECC .17655 INC 9.8386 V1 29.609
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.924 GAP -2.28 AZP 99.68 TAL 154.11 TAP 344.67 RCA 107.59 APO 153.72 V2 35.036
 RC 71.485 GL 53.57 GP -74.20 ZAL 69.42 ZAP 81.44 ETS 31.92 ZAE 111.46 ETE 282.88 ZAC 105.80 ETC 356.24 CLP -56.86

PLANETOCENTRIC CONIC

C3 33.465 VML 5.785 OLA 54.83 RAL 193.78 RAD 6568.3 VEL 12.443 PTH 2.25 VMP 8.562 DPA -56.92 RAP 126.00 ECC 1.5507
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 40.87 23 33 28 4464.15 -29.06 215.43 80.74 41.23 24 47 52 3864.1 -34.93 209.42
 139.13 8 37 16 2862.50 -29.05 86.77 80.72 41.22 9 24 58 2262.5 -34.92 80.76
 40.87 23 33 28 4464.15 -29.06 215.43 80.74 41.23 24 47 52 3864.1 -34.93 209.42
 139.13 8 37 16 2862.50 -29.05 86.77 80.72 41.22 9 24 58 2262.5 -34.92 80.76
 40.87 23 33 28 4464.15 -29.06 215.43 80.74 41.23 24 47 52 3864.1 -34.93 209.42
 139.13 8 37 16 2862.50 -29.05 86.77 80.72 41.22 9 24 58 2262.5 -34.92 80.76

DIFFERENTIAL CORRECTIONS

TDE .8397 TRA -.7760 TC3 .0023 BAU .3138
 RDE -.6873 RRA 2.7171 RC3 -.7015 FAU .02146
 FDE -.6596 FRA 1.9088 FC3 -.5553 BSP 15771
 BDE 1.0852 BRA 2.8257 BC3 .7015 FSP -942

MID-COURSE EXECUTION ACCURACY

SGT 1572.2 SGR 4790.1 SG3 294.4
 RRT -.9031 RRF .9985 RTF -.9191
 SGB 5041.5 R23 .0014 R13 .9993
 SG1 4999.8 SG2 646.9 TMA 106.80

ORBIT DETERMINATION ACCURACY

ST 923.0 SR 1558.2 SS 874.2
 CRT -.7837 CRS -.9911 CST .8594
 LSA 1944.0 MSA 514.7 SSA 2.7
 EL1 1736.5 EL2 514.5 ALF 117.52

LAUNCH DATE APR 25 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 454.288

RL 150.48 LAL -.00 LOL 214.11 VL 27.364 GAL 5.23 AZL 83.11 MCA 193.70 SMA 130.74 ECC .17585 INC 6.8943 V1 29.609
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.945 GAP -1.83 AZP 96.70 TAL 154.00 TAP 347.70 RCA 107.75 APO 153.73 V2 35.049
 RC 73.590 GL 45.07 GP -68.33 ZAL 63.91 ZAP 81.82 ETS 22.05 ZAE 117.36 ETE 274.92 ZAC 108.74 ETC 352.14 CLP -67.34

PLANETOCENTRIC CONIC

C3 21.348 VML 4.620 OLA 47.17 RAL 187.46 RAD 6567.9 VEL 11.947 PTH 2.13 VMP 6.860 DPA -50.96 RAP 129.49 ECC 1.3513
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 50.55 23 38 44 4281.91 -30.66 198.28 64.15 52.21 24 50 5 3681.9 -35.33 190.95
 129.45 7 41 31 2822.13 -30.64 84.33 64.14 52.20 8 28 33 2222.1 -35.32 77.00
 50.55 23 38 44 4281.91 -30.66 198.28 64.15 52.21 24 50 5 3681.9 -35.33 190.95
 129.45 7 41 31 2822.13 -30.64 84.33 64.14 52.20 8 28 33 2222.1 -35.32 77.00
 50.55 23 38 44 4281.91 -30.66 198.28 64.15 52.21 24 50 5 3681.9 -35.33 190.95
 129.45 7 41 31 2822.13 -30.64 84.33 64.14 52.20 8 28 33 2222.1 -35.32 77.00

DIFFERENTIAL CORRECTIONS

TDE .4993 TRA -.3419 TC3 -.1288 BAU .3781
 RDE -.4814 RRA 2.5717 RC3 -1.3187 FAU .03583
 FDE -.6342 FRA 2.5385 FC3 -1.4530 BSP 15569
 BDE .6936 BRA 2.5943 BC3 1.3250 FSP -1354

MID-COURSE EXECUTION ACCURACY

SGT 886.9 SGR 4883.6 SG3 422.1
 RRT -.7274 RRF .9988 RTF -.7422
 SGB 4963.5 R23 .0063 R13 .9991
 SG1 4926.7 SG2 603.2 TMA 97.64

ORBIT DETERMINATION ACCURACY

ST 646.8 SR 1529.2 SS 946.5
 CRT -.6398 CRS -.9935 CST .7230
 LSA 1850.3 MSA 478.5 SSA 3.7
 EL1 1590.0 EL2 478.1 ALF 106.70

LAUNCH DATE APR 25 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 460.679

RL 150.48 LAL -1.00 LOL 214.11 VL 27.373 GAL 5.24 AZL 84.96 MCA 196.88 SMA 130.81 ECC .17536 INC 5.0359 V1 29.609
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.964 GAP -1.38 AZP 94.82 TAL 153.88 TAP 350.75 RCA 107.87 APO 153.75 V2 35.062
 RC 75.721 GL 36.90 GP -63.27 ZAL 59.29 ZAP 83.33 ETS 14.67 ZAE 122.15 ETE 268.58 ZAC 111.42 ETC 350.15 CLP -75.03

PLANETOCENTRIC CONIC

C3 15.879 VHL 3.985 DLA 39.76 RAL 182.56 RAD 6567.6 VEL 11.716 PTH 2.06 VHP 5.829 DPA -45.72 RAP 131.33 ECC 1.2613
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 60.83 0 4 36 4101.42 -28.75 180.72 51.33 61.25 1 12 57 3501.4 -32.34 172.83
 119.17 6 40 32 2864.04 -28.74 86.63 51.32 61.24 7 28 16 2264.0 -32.33 78.74
 60.83 0 4 36 4101.42 -28.75 180.72 51.33 61.25 1 12 57 3501.4 -32.34 172.83
 119.17 6 40 32 2864.04 -28.74 86.63 51.32 61.24 7 28 16 2264.0 -32.33 78.74
 60.83 0 4 36 4101.42 -28.75 180.72 51.33 61.25 1 12 57 3501.4 -32.34 172.83
 119.17 6 40 32 2864.04 -28.74 86.63 51.32 61.24 7 28 16 2264.0 -32.33 78.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .3277 TRA -.0319 TC3 -.3902 BAU .4065 SGT 567.7 SGR 4827.6 SG3 559.2 ST 471.6 SR 1493.5 SS 1052.6
 ROE -.4200 RRA 2.4329 RC3-1.8747 FAU .05006 RRT -.0335 RRF .9988 RTF -.0492 CRT -.4381 CRS -.9934 CST .5381
 FDE -.7361 FRA 3.2096 FC3-2.7294 BSP 15287 SGB 4860.8 R23 .0153 R13 .9988 LSA 1838.8 MSA 424.2 SSA 4.8
 BDE .5327 BRA 2.4331 BC3 1.9148 FSP -1802 SGI 4827.6 SG2 567.4 TMA 90.23 EL1 1508.9 EL2 419.6 ALF 98.54

LAUNCH DATE APR 25 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 467.065

RL 150.48 LAL -1.00 LOL 214.11 VL 27.381 GAL 5.25 AZL 86.25 MCA 200.06 SMA 130.86 ECC .17512 INC 3.7516 V1 29.609
 RP 108.08 LAP -1.29 LOP 54.14 VP 37.982 GAP -.92 AZP 93.52 TAL 153.73 TAP 353.80 RCA 107.95 APO 153.78 V2 35.075
 RC 77.874 GL 29.52 GP -58.77 ZAL 55.63 ZAP 85.77 ETS 8.47 ZAE 126.08 ETE 262.43 ZAC 114.04 ETC 348.94 CLP -81.82

PLANETOCENTRIC CONIC

C3 13.113 VHL 3.621 DLA 32.97 RAL 178.87 RAD 6567.5 VEL 11.597 PTH 2.03 VHP 5.155 DPA -40.94 RAP 132.19 ECC 1.2158
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.36 0 52 54 3871.30 -25.27 160.44 42.20 68.08 1 57 26 3271.3 -28.01 152.45
 107.64 5 22 44 3009.35 -25.25 96.40 42.20 68.06 6 12 53 2409.3 -28.00 88.41
 72.36 0 52 54 3871.30 -25.27 160.44 42.20 68.08 1 57 26 3271.3 -28.01 152.45
 107.64 5 22 44 3009.35 -25.25 96.40 42.20 68.06 6 12 53 2409.3 -28.00 88.41
 110.00 6 46 6 2753.06 -30.89 78.72 44.36 74.57 7 31 59 2153.1 -32.69 69.97
 110.00 4 28 42 3175.58 -19.88 106.51 39.47 61.60 5 21 38 2575.6 -23.52 99.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .2053 TRA .2404 TC3 -.7543 BAU .4203 SGT 780.7 SGR 4691.6 SG3 696.3 ST 352.5 SR 1467.1 SS 1183.4
 ROE -.4260 RRA 2.3014 RC3-2.2761 FAU .06345 RRT .7233 RRF .9987 RTF .7133 CRT -.0793 CRS -.9928 CST .1981
 FDE -.9447 FRA 3.8788 FC3-4.1894 BSP 14930 SGB 4756.1 R23 .0268 R13 .9984 LSA 1882.2 MSA 366.7 SSA 5.9
 BDE .4729 BRA 2.3139 BC3 2.3978 FSP -2251 SGI 4725.9 SG2 535.1 TMA 83.05 EL1 1467.3 EL2 351.4 ALF 91.16

LAUNCH DATE APR 25 1967

FLIGHT TIME 178.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 473.440

RL 150.48 LAL -1.00 LOL 214.11 VL 27.386 GAL 5.28 AZL 87.19 MCA 203.26 SMA 130.90 ECC .17512 INC 2.8069 V1 29.609
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.997 GAP -.47 AZP 92.58 TAL 153.56 TAP 356.82 RCA 107.98 APO 153.82 V2 35.088
 RC 80.046 GL 23.05 GP -54.67 ZAL 52.87 ZAP 88.96 ETS 3.09 ZAE 129.26 ETE 256.05 ZAC 116.66 ETC 348.16 CLP -88.20

PLANETOCENTRIC CONIC

C3 11.633 VHL 3.411 DLA 26.96 RAL 176.06 RAD 6567.4 VEL 11.533 PTH 2.01 VHP 4.697 DPA -36.49 RAP 132.42 ECC 1.1914
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 13 33 3163.43 -26.56 108.17 37.27 79.80 5 6 17 2563.4 -27.70 99.69
 90.00 1 59 43 3666.33 -16.29 141.30 33.94 66.51 2 40 49 3066.3 -10.33 133.94
 100.00 6 8 48 2791.94 -29.17 81.27 37.72 83.14 6 55 19 2191.9 -29.81 72.53
 100.00 2 27 10 3513.05 -13.90 128.88 32.78 63.27 3 25 43 2913.1 -17.38 121.82
 110.00 8 11 48 2407.02 -34.18 52.41 38.08 89.71 8 51 55 1807.0 -33.84 43.18
 110.00 2 40 39 3470.74 -9.54 123.13 30.22 57.02 3 38 29 2870.7 -13.82 116.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .0923 TRA .4974 TC3-1.1802 BAU .4292 SGT 1245.3 SGR 4494.4 SG3 824.4 ST 322.0 SR 1445.0 SS 1331.3
 ROE -.4534 RRA 2.1699 RC3-2.4945 FAU .07533 RRT .9086 RRF .9985 RTF .9023 CRT .4904 CRS -.9922 CST -.3783
 FDE -1.2282 FRA 4.5070 FC3-5.6065 BSP 14551 SGB 4663.7 R23 .0393 R13 .9978 LSA 1966.2 MSA 313.2 SSA 7.2
 BDE .4627 BRA 2.2261 BC3 2.7596 FSP -2668 SGI 4636.4 SG2 504.3 TMA 75.70 EL1 1453.9 EL2 278.9 ALF 83.52

LAUNCH DATE APR 25 1967

FLIGHT TIME 180.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 479.800

RL 150.48 LAL -1.00 LOL 214.11 VL 27.389 GAL 5.33 AZL 87.92 MCA 206.46 SMA 130.92 ECC .17536 INC 2.0792 V1 29.609
 RP 107.96 LAP -.93 LOP 60.56 VP 38.011 GAP -.03 AZP 91.86 TAL 153.37 TAP 359.83 RCA 107.96 APO 153.88 V2 35.101
 RC 82.236 GL 17.49 GP -50.84 ZAL 50.83 ZAP 92.71 ETS 358.40 ZAE 131.73 ETE 249.41 ZAC 119.26 ETC 347.74 CLP -94.30

PLANETOCENTRIC CONIC

C3 10.840 VHL 3.292 DLA 21.73 RAL 173.92 RAD 6567.4 VEL 11.499 PTH 2.00 VHP 4.381 DPA -32.28 RAP 132.26 ECC 1.1784
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 36 51 2831.88 -28.27 84.15 32.75 91.65 6 24 2 2231.9 -27.75 75.53
 90.00 23 55 26 3968.72 -7.36 159.01 27.76 62.58 25 1 34 3368.7 -10.98 152.20
 100.00 7 13 23 2520.60 -29.69 61.18 32.68 93.66 7 55 23 1920.6 -28.86 52.47
 100.00 1 5 30 3755.24 -6.11 142.64 27.08 60.68 2 8 6 3155.2 -9.97 135.98
 110.00 8 53 23 2207.74 -33.17 36.97 32.23 98.78 9 30 11 1607.7 -31.60 28.10
 110.00 1 42 0 3640.86 -3.13 132.13 25.23 55.94 2 42 41 3040.9 -7.58 125.86

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0244 TRA .7447 TC3-1.6227 BAU .4402 SGT 1757.8 SGR 4246.2 SG3 935.4 ST 421.9 SR 1421.4 SS 1490.8
 ROE -.4865 RRA 2.0295 RC3-2.5679 FAU .08582 RRT .9575 RRF .9982 RTF .9526 CRT .8587 CRS -.9919 CST -.7867
 FDE -1.5684 FRA 5.0467 FC3-6.8538 BSP 14363 SGB 4595.6 R23 .0522 R13 .9969 LSA 2085.1 MSA 270.2 SSA 8.3
 BDE .4871 BRA 2.1618 BC3 3.0377 FSP -3061 SGI 4571.4 SG2 471.0 TMA 68.13 EL1 1467.8 EL2 209.4 ALF 75.40

LAUNCH DATE APR 25 1967

FLIGHT TIME 182.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 486.143

RL 150.48 LAL -.00 LOL 214.11 VL 27.390 GAL 5.38 AZL 88.50 HCA 209.67 SMA 130.93 ECC .17583 INC 1.4981 V1 29.609
 RP 107.92 LAP -.74 LOP 63.78 VP 38.023 GAP .42 AZP 91.30 TAL 153.14 TAP 2.81 RCA 107.91 APO 153.95 V2 35.113
 RC 84.440 GL 12.74 GP -47.22 ZAL 49.33 ZAP 96.87 ETS 354.35 ZAE 133.52 ETE 242.59 ZAC 121.81 ETC 347.67 CLP-100.14

PLANETOCENTRIC CONIC

C3 10.451 VHL 3.233 DLA 17.22 RAL 172.29 RAD 6567.4 VEL 11.482 PTH 2.00 VMP 4.167 DPA -28.29 RAP 131.89 ECC 1.1720
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 20 32 2638.02 -27.09 70.11 28.85 98.58 7 4 30 2038.0 -25.62 61.75
 90.00 22 58 40 4147.74 -1.65 169.07 24.33 61.73 24 7 48 3547.7 -5.42 162.41
 100.00 7 51 48 2343.71 -28.22 48.25 28.64 100.30 8 30 52 1743.7 -26.51 39.87
 100.00 0 14 1 3917.28 -.65 151.57 23.78 60.11 1 19 19 3317.3 -4.62 145.03
 110.00 9 21 53 2061.87 -31.12 26.10 27.89 104.90 9 56 15 1461.9 -28.77 17.69
 110.00 1 0 26 3771.89 1.88 138.96 22.20 55.86 2 3 18 3171.9 -2.62 132.76

DIFFERENTIAL CORRECTIONS

TDE -.1492 TRA .9844 TC3-2.0486 BAU .4516
 RDE -.5067 RRA 1.8899 RC3-2.5002 FAU .09356
 FDE-1.9142 FRA 5.4940 FC3-7.7500 BSP 14196
 BDE .5282 BRA 2.1309 BC3 3.2323 FSP -3369

MID-COURSE EXECUTION ACCURACY

SGT 2271.6 SGR 3964.4 SG3 1024.2
 RRT .9753 RRF .9978 RTF .9712
 SGB 4569.1 R23 .0633 R13 .9958
 SG1 4548.1 SG2 437.2 TMA 60.50

ORBIT DETERMINATION ACCURACY

ST 609.7 SR 1384.0 SS 1645.4
 CRT .9668 CRS -.9915 CST -.9255
 LSA 2222.2 MSA 237.4 SSA 9.5
 EL1 1505.6 EL2 143.3 ALF 66.71

LAUNCH DATE APR 25 1967

FLIGHT TIME 184.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 492.469

RL 150.48 LAL -.00 LOL 214.11 VL 27.388 GAL 5.45 AZL 88.98 HCA 212.88 SMA 130.92 ECC .17654 INC 1.0207 V1 29.609
 RP 107.89 LAP -.55 LOP 66.99 VP 38.033 GAP .86 AZP 90.86 TAL 152.88 TAP 5.76 RCA 107.81 APO 154.03 V2 35.125
 RC 86.655 GL 8.70 GP -43.78 ZAL 48.22 ZAP 101.26 ETS 350.90 ZAE 134.64 ETE 235.79 ZAC 124.23 ETC 347.99 CLP-105.70

PLANETOCENTRIC CONIC

C3 10.320 VHL 3.212 DLA 13.33 RAL 171.04 RAD 6567.4 VEL 11.476 PTH 1.99 VMP 4.031 DPA -24.51 RAP 131.42 ECC 1.1698
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 51 31 2495.58 -25.25 60.09 26.01 103.27 7 33 7 1895.6 -23.17 52.04
 90.00 22 17 43 4285.07 2.78 176.73 22.30 61.81 23 29 9 3685.1 -1.01 170.10
 100.00 8 19 49 2210.79 -26.24 38.87 25.73 104.85 8 56 40 1610.8 -23.94 30.82
 100.00 23 32 6 4045.09 3.68 158.59 21.81 60.31 24 39 31 3445.1 -.30 152.06
 110.00 9 43 43 1948.27 -28.85 18.03 24.83 109.18 10 16 12 1348.3 -25.96 10.04
 110.00 0 28 37 3880.38 6.00 144.65 20.37 56.28 1 33 18 3280.4 1.53 138.42

DIFFERENTIAL CORRECTIONS

TDE -.2823 TRA 1.2143 TC3-2.4340 BAU .4666
 RDE -.5151 RRA 1.7478 RC3-2.3484 FAU .09886
 FDE-2.2496 FRA 5.8190 FC3-8.2935 BSP 14203
 BDE .5875 BRA 2.1282 BC3 3.3822 FSP -3602

MID-COURSE EXECUTION ACCURACY

SGT 2766.4 SGR 3658.3 SG3 1086.9
 RRT .9834 RRF .9973 RTF .9797
 SGB 4586.6 R23 .0716 R13 .9947
 SG1 4568.9 SG2 401.9 TMA 53.03

ORBIT DETERMINATION ACCURACY

ST 837.8 SR 1330.3 SS 1788.3
 CRT .9930 CRS -.9909 CST -.9684
 LSA 2371.4 MSA 214.3 SSA 10.5
 EL1 1569.9 EL2 .83.8 ALF 57.88

LAUNCH DATE APR 25 1967

FLIGHT TIME 186.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 498.776

RL 150.48 LAL -.00 LOL 214.11 VL 27.385 GAL 5.54 AZL 89.38 HCA 216.10 SMA 130.90 ECC .17749 INC .6193 V1 29.609
 RP 107.85 LAP -.37 LOP 70.21 VP 38.042 GAP 1.31 AZP 90.50 TAL 152.59 TAP 8.69 RCA 107.66 APO 154.13 V2 35.137
 RC 88.880 GL 5.26 GP -40.52 ZAL 47.36 ZAP 105.77 ETS 347.98 ZAE 135.16 ETE 229.23 ZAC 126.46 ETC 348.68 CLP-110.95

PLANETOCENTRIC CONIC

C3 10.366 VHL 3.220 DLA 9.98 RAL 170.10 RAD 6567.4 VEL 11.478 PTH 2.00 VMP 3.956 DPA -20.94 RAP 130.95 ECC 1.1706
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 15 50 2383.96 -23.29 52.50 24.05 106.58 7 55 34 1784.0 -20.79 44.72
 90.00 21 45 55 4398.49 6.40 183.10 21.17 62.36 22 59 14 3798.5 2.65 176.43
 100.00 8 42 6 2105.71 -24.21 31.73 23.73 108.09 9 17 12 1505.7 -21.51 23.97
 100.00 23 2 20 4151.97 7.25 164.51 20.71 60.92 24 11 32 3552.0 3.32 157.93
 110.00 10 1 33 1857.09 -26.66 11.85 22.74 112.24 10 32 30 1257.1 -23.40 4.20
 110.00 0 3 18 3973.35 9.49 149.60 19.35 57.00 1 9 32 3373.3 5.07 143.29

DIFFERENTIAL CORRECTIONS

TDE -.4231 TRA 1.4345 TC3-2.7644 BAU .4849
 RDE -.5107 RRA 1.6083 RC3-2.1448 FAU .10160
 FDE-2.5514 FRA 6.0239 FC3-8.4856 BSP 14374
 BDE .6632 BRA 2.1551 BC3 3.4989 FSP -3752

MID-COURSE EXECUTION ACCURACY

SGT 3233.4 SGR 3343.4 SG3 1123.0
 RRT .9875 RRF .9965 RTF .9841
 SGB 4651.1 R23 .0755 R13 .9936
 SG1 4636.6 SG2 367.3 TMA 45.97

ORBIT DETERMINATION ACCURACY

ST 1083.8 SR 1260.1 SS 1912.6
 CRT .9992 CRS -.9901 CST -.9840
 LSA 2526.0 MSA 199.2 SSA 11.4
 EL1 1661.7 EL2 33.1 ALF 49.31

LAUNCH DATE APR 25 1967

FLIGHT TIME 188.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 505.063

RL 150.48 LAL -.00 LOL 214.11 VL 27.381 GAL 5.64 AZL 89.72 HCA 219.32 SMA 130.86 ECC .17867 INC .2750 V1 29.609
 RP 107.82 LAP -.17 LOP 73.43 VP 38.049 GAP 1.75 AZP 90.21 TAL 152.26 TAP 11.58 RCA 107.48 APO 154.24 V2 35.149
 RC 91.113 GL 2.32 GP -37.45 ZAL 46.66 ZAP 110.27 ETS 345.55 ZAE 135.15 ETE 223.12 ZAC 128.43 ETC 349.71 CLP-115.87

PLANETOCENTRIC CONIC

C3 10.544 VHL 3.247 DLA 7.07 RAL 169.41 RAD 6567.4 VEL 11.486 PTH 2.00 VMP 3.931 DPA -17.62 RAP 130.55 ECC 1.1735
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 36 1 2293.64 -21.41 46.55 22.78 108.99 8 14 15 1693.6 -18.62 38.99
 90.00 21 20 16 4495.68 9.43 188.63 20.68 63.18 22 35 11 3895.7 5.76 181.88
 100.00 9 0 45 2020.37 -22.29 26.11 22.44 110.45 9 34 25 1420.4 -19.31 18.59
 100.00 22 38 13 4244.17 10.27 169.70 20.24 61.77 23 48 57 3644.2 6.41 163.03
 110.00 10 16 43 1782.60 -24.64 7.00 21.38 114.48 10 46 26 1182.6 -21.13 359.61
 110.00 23 38 44 4054.71 12.47 154.01 18.94 57.91 24 46 19 3454.7 8.14 147.59

DIFFERENTIAL CORRECTIONS

TDE -.5677 TRA 1.6465 TC3-3.0282 BAU .5046
 RDE -.4926 RRA 1.4763 RC3-1.9097 FAU .10152
 FDE-2.7955 FRA 6.1229 FC3-8.3361 BSP 14646
 BDE .7517 BRA 2.2115 BC3 3.5801 FSP -3803

MID-COURSE EXECUTION ACCURACY

SGT 3666.4 SGR 3030.6 SG3 1133.7
 RRT .9895 RRF .9954 RTF .9866
 SGB 4756.7 R23 .0743 R13 .9926
 SG1 4744.7 SG2 337.9 TMA 39.52

ORBIT DETERMINATION ACCURACY

ST 1333.6 SR 1173.5 SS 2010.2
 CRT .9998 CRS -.9886 CST -.9908
 LSA 2675.9 MSA 189.9 SSA 12.1
 EL1 1776.3 EL2 18.1 ALF 41.35

LAUNCH DATE APR 25 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 511.329

RL 150.48 LAL -.00 LOL 214.11 VL 27.374 GAL 5.76 AZL 90.02 MCA 222.54 SMA 130.82 ECC .1800A INC .019R V1 29.609
 RP 107.78 LAP .02 LOP 76.66 VP 38.055 GAP 2.19 AZP 89.98 TAL 151.91 TAP 14.45 RCA 107.26 APO 154.38 V2 35.160
 RC 93.352 GL -.20 GP -34.57 ZAL 46.06 ZAP 114.68 ETS 343.55 ZAE 134.71 ETE 217.59 ZAC 130.09 ETC 351.05 CLP-120.47

PLANETOCENTRIC CONIC

C3 10.827 VML 3.290 OLA 4.54 RAL 168.94 RAD 6567.4 VEL 11.498 PTH 2.00 VMP 3.948 DPA -14.55 RAP 130.27 ECC 1.1782
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 53 24 2219.20 -19.68 41.77 22.05 110.78 8 30 24 1619.2 -16.68 34.38
 90.00 20 59 5 4580.91 12.01 193.57 20.66 64.16 22 15 25 3980.9 8.43 186.71
 100.00 9 16 53 1949.95 -20.55 21.61 21.68 112.20 9 49 23 1349.9 -17.35 14.27
 100.00 22 18 17 4325.39 12.84 174.35 20.24 62.77 23 30 22 3725.4 9.09 167.57
 110.00 10 30 1 1721.05 -22.85 3.12 20.57 116.14 10 58 42 1121.1 -19.15 355.94
 110.00 23 21 38 4127.05 15.05 158.03 18.97 58.94 24 30 25 3527.0 10.82 151.48

DIFFERENTIAL CORRECTIONS

TDE -.7172 TRA 1.8478 TC3-3.2342 BAU .5275
 RDE -.4676 RRA 1.3509 RC3-1.6802 FAU .09978
 FDE-2.9929 FRA 6.1156 FC3-7.9788 BSP 15109
 BDE .8562 BRA 2.2889 BC3 3.6446 FSP -3799

MID-COURSE EXECUTION ACCURACY

SGT 4062.9 SGR 2730.2 S63 1122.7
 RRT .9905 RRF .9938 RTF .9881
 SGB 4895.0 R23 .0678 R13 .9919
 SGI 4885.0 SG2 313.0 THA 33.80

ORBIT DETERMINATION ACCURACY

ST 1581.5 SR 1079.5 SS 2087.5
 CRT .9984 CRS -.9865 CST -.9941
 LSA 2826.6 MSA 185.0 SSA 12.6
 EL1 1914.1 EL2 50.7 ALF 34.30

LAUNCH DATE APR 25 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 517.574

RL 150.48 LAL -.00 LOL 214.11 VL 27.367 GAL 5.89 AZL 90.29 MCA 225.77 SMA 130.76 ECC .18173 INC .2888 V1 29.609
 RP 107.75 LAP .21 LOP 79.88 VP 38.059 GAP 2.63 AZP 89.80 TAL 151.52 TAP 17.29 RCA 107.00 APO 154.53 V2 35.170
 RC 95.596 GL -2.35 GP -31.90 ZAL 45.52 ZAP 118.93 ETS 341.89 ZAE 133.96 ETE 212.72 ZAC 131.42 ETC 352.63 CLP-124.74

PLANETOCENTRIC CONIC

C3 11.200 VML 3.347 OLA 2.33 RAL 168.64 RAD 6567.4 VEL 11.515 PTH 2.01 VMP 3.999 DPA -11.74 RAP 130.13 ECC 1.1843
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 8 47 2157.11 -18.13 37.88 21.74 112.13 8 44 44 1557.1 -14.97 30.62
 90.00 20 41 19 4656.93 14.22 198.05 21.01 65.25 21 58 56 4056.9 10.76 191.08
 100.00 9 31 13 1891.24 -18.99 17.94 21.36 113.53 10 2 44 1291.2 -15.65 10.74
 100.00 22 1 34 4398.03 15.06 178.60 20.60 63.87 23 14 52 3798.0 11.43 171.70
 110.00 10 41 57 1669.86 -21.28 359.97 20.20 117.40 11 9 46 1069.9 -17.44 352.95
 110.00 23 7 20 4192.18 17.30 161.74 19.36 60.05 24 17 12 3592.2 13.19 155.04

DIFFERENTIAL CORRECTIONS

TDE -.8680 TRA 2.0419 TC3-3.3785 BAU .5511
 RDE -.4351 RRA 1.2364 RC3-1.4596 FAU .09627
 FDE-3.1302 FRA 6.0325 FC3-7.4410 BSP 15646
 BDE .9710 BRA 2.3871 BC3 3.6803 FSP -3728

MID-COURSE EXECUTION ACCURACY

SGT 4423.0 SGR 2449.0 S63 1094.1
 RRT .9904 RRF .9917 RTF .9889
 SGB 5055.7 R23 .0568 R13 .9913
 SGI 5047.0 SG2 296.0 THA 28.85

ORBIT DETERMINATION ACCURACY

ST 1820.6 SR 979.7 SS 2140.0
 CRT .9958 CRS -.9835 CST -.9958
 LSA 2969.9 MSA 182.9 SSA 12.9
 EL1 2065.9 EL2 79.0 ALF 28.23

LAUNCH DATE APR 25 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 523.796

RL 150.48 LAL -.00 LOL 214.11 VL 27.358 GAL 6.04 AZL 90.53 MCA 229.00 SMA 130.70 ECC .18362 INC .5269 V1 29.609
 RP 107.72 LAP .40 LOP 83.11 VP 38.062 GAP 3.08 AZP 89.65 TAL 151.10 TAP 20.09 RCA 106.70 APO 154.70 V2 35.180
 RC 97.843 GL -4.21 GP -29.44 ZAL 45.00 ZAP 122.98 ETS 340.52 ZAE 133.00 ETE 208.52 ZAC 132.39 ETC 354.35 CLP-128.69

PLANETOCENTRIC CONIC

C3 11.656 VML 3.414 OLA .38 RAL 168.49 RAD 6567.4 VEL 11.534 PTH 2.01 VMP 4.081 DPA -9.21 RAP 130.16 ECC 1.1918
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 22 39 2104.98 -16.77 34.66 21.79 113.16 8 57 44 1505.0 -13.49 27.52
 90.00 20 26 17 4725.64 16.14 202.19 21.67 66.41 21 45 2 4125.6 12.81 195.09
 100.00 9 44 10 1842.03 -17.63 14.92 21.39 114.54 10 14 52 1242.0 -14.17 7.84
 100.00 21 47 27 4463.81 16.99 182.53 21.26 65.03 23 1 50 3863.8 13.49 175.49
 110.00 10 52 49 1627.16 -19.92 357.41 20.18 118.37 11 19 56 1027.2 -15.98 350.51
 110.00 22 55 17 4251.44 19.28 165.19 20.04 61.21 24 6 9 3651.4 15.29 158.35

DIFFERENTIAL CORRECTIONS

TDE-1.0193 TRA 2.2305 TC3-3.4662 BAU .5746
 RDE -.3981 RRA 1.1335 RC3-1.2564 FAU .09145
 FDE-3.2136 FRA 5.8930 FC3-6.7920 BSP 16234
 BDE 1.0943 BRA 2.5020 BC3 3.6869 FSP -3606

MID-COURSE EXECUTION ACCURACY

SGT 4747.7 SGR 2191.1 S63 1052.5
 RRT .9896 RRF .9889 RTF .9894
 SGB 5228.9 R23 .0430 R13 .9908
 SGI 5221.0 SG2 287.1 THA 24.63

ORBIT DETERMINATION ACCURACY

ST 2047.5 SR 879.0 SS 2170.8
 CRT .9921 CRS -.9793 CST -.9969
 LSA 3105.4 MSA 182.6 SSA 13.1
 EL1 2225.9 EL2 101.7 ALF 23.12

LAUNCH DATE APR 25 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 529.995

RL 150.48 LAL -.00 LOL 214.11 VL 27.347 GAL 6.20 AZL 90.74 MCA 232.23 SMA 130.63 ECC .18576 INC .7428 V1 29.609
 RP 107.69 LAP .59 LOP 86.34 VP 38.063 GAP 3.53 AZP 89.54 TAL 150.65 TAP 22.87 RCA 106.36 APO 154.89 V2 35.190
 RC 100.092 GL -5.80 GP -27.20 ZAL 44.48 ZAP 126.81 ETS 339.38 ZAE 131.90 ETE 204.95 ZAC 133.03 ETC 356.16 CLP-132.35

PLANETOCENTRIC CONIC

C3 12.192 VML 3.492 OLA -1.34 RAL 168.48 RAD 6567.5 VEL 11.558 PTH 2.02 VMP 4.188 DPA -6.94 RAP 130.37 ECC 1.2006
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 35 21 2061.09 -15.57 31.99 22.12 113.95 9 9 42 1461.1 -12.21 24.93
 90.00 20 13 28 4788.40 17.81 206.04 22.57 67.61 21 33 16 4188.4 14.62 198.81
 100.00 9 56 4 1800.71 -16.44 12.43 21.70 115.32 10 26 5 1200.7 -12.90 5.43
 100.00 21 35 26 4524.01 18.68 186.20 22.17 66.23 22 50 50 3924.0 15.31 179.03
 110.00 11 2 53 1591.57 -18.76 355.31 20.45 119.12 11 29 24 991.6 -14.73 348.50
 110.00 22 45 7 4305.91 21.03 168.45 20.97 62.41 23 56 53 3705.9 17.17 161.45

DIFFERENTIAL CORRECTIONS

TDE-1.1709 TRA 2.4150 TC3-3.5058 BAU .5977
 RDE -.3585 RRA 1.0421 RC3-1.0760 FAU .08584
 FDE-3.2509 FRA 5.7147 FC3-6.0954 BSP 16855
 BDE 1.2246 BRA 2.6303 BC3 3.6672 FSP -3452

MID-COURSE EXECUTION ACCURACY

SGT 5039.7 SGR 1958.6 S63 1002.2
 RRT .9877 RRF .9850 RTF .9896
 SGB 5407.0 R23 .0283 R13 .9904
 SGI 5399.4 SG2 285.3 THA 21.06

ORBIT DETERMINATION ACCURACY

ST 2260.9 SR 780.9 SS 2183.0
 CRT .9867 CRS -.9732 CST -.9976
 LSA 3233.1 MSA 183.5 SSA 13.3
 EL1 2388.9 EL2 120.0 ALF 18.87

LAUNCH DATE APR 25 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 536.169

RL 150.48 LAL -1.00 LOL 214.11 VL 27.335 GAL 6.38 AZL 90.94 MCA 235.46 SMA 130.54 ECC .18814 INC .9407 V1 29.609
 RP 107.66 LAP .78 LOP 89.57 VP 38.063 GAP 3.98 AZP 89.47 TAL 150.16 TAP 25.62 RCA 105.98 APO 155.11 V2 35.199
 RC 102.344 GL -7.16 GP -25.16 ZAL 43.95 ZAP 130.40 ETS 338.41 ZAE 130.75 ETE 201.93 ZAC 133.33 ETC 357.96 CLP-135.73

PLANETOCENTRIC CONIC

C3 12.806 VHL 3.579 DLA -2.87 RAL 168.58 RAD 6567.5 VEL 11.584 PTH 2.03 VHP 4.318 DPA -4.94 RAP 130.75 ECC 1.2108
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 47 6 2024.16 -14.54 29.77 22.69 114.57 9 20 50 1424.2 -11.10 22.78
 90.00 20 2 31 4846.29 19.27 209.66 23.68 68.84 21 23 17 4246.3 16.22 202.31
 100.00 10 7 6 1766.08 -15.42 10.36 22.26 115.93 10 36 32 1166.1 -11.81 3.43
 100.00 21 25 12 4579.59 20.17 189.66 23.30 67.46 22 41 31 3979.6 16.94 182.35
 110.00 11 12 16 1562.07 -17.77 353.59 20.97 119.69 11 38 18 962.1 -13.68 346.86
 110.00 22 36 31 4356.38 22.59 171.53 22.12 63.64 23 49 7 3756.4 18.86 164.38

DIFFERENTIAL CORRECTIONS

TDE-1.3196 TRA 2.6006 TC3-3.4943 BAU .6184
 RDE -.3165 RRA .9628 RC3 -.9145 FAU .07939
 FDE-3.2417 FRA 5.5213 FC3-5.3669 BSP 17413
 BDE 1.3570 BRA 2.7731 BC3 3.6120 FSP -3261

MID-COURSE EXECUTION ACCURACY

SGT 5300.9 SGR 1751.5 SG3 946.6
 RRT .9847 RRF .9800 RTF .9896
 SGB 5582.7 R23 .0151 R13 .9900
 SG1 5575.2 SG2 289.9 TMA 18.07

ORBIT DETERMINATION ACCURACY

ST 2456.3 SR 686.7 SS 2175.7
 CRT .9789 CRS -.9644 CST -.9980
 LSA 3347.3 MSA 185.2 SSA 13.5
 EL1 2546.9 EL2 135.3 ALF 15.35

LAUNCH DATE APR 25 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 542.316

RL 150.48 LAL -1.00 LOL 214.11 VL 27.323 GAL 6.58 AZL 91.12 MCA 238.69 SMA 130.46 ECC .19079 INC 1.1239 V1 29.609
 RP 107.63 LAP .96 LOP 92.80 VP 38.062 GAP 4.44 AZP 89.42 TAL 149.65 TAP 28.35 RCA 105.57 APO 155.34 V2 35.208
 RC 104.596 GL -8.33 GP -23.32 ZAL 43.41 ZAP 133.76 ETS 337.56 ZAE 129.59 ETE 199.40 ZAC 133.34 ETC 359.71 CLP-138.86

PLANETOCENTRIC CONIC

C3 13.502 VHL 3.674 DLA -4.23 RAL 168.77 RAD 6567.5 VEL 11.614 PTH 2.04 VHP 4.469 DPA -3.18 RAP 131.30 ECC 1.2222
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 58 3 1993.24 -13.66 27.93 23.47 115.05 9 31 17 1393.2 -10.17 20.99
 90.00 19 53 8 4900.08 20.55 213.08 24.98 70.08 21 14 49 4300.1 17.65 205.60
 100.00 10 17 25 1737.24 -14.56 8.66 23.02 116.40 10 46 22 1137.2 -10.89 1.78
 100.00 21 16 28 4631.31 21.49 192.94 24.60 68.70 22 33 39 4031.3 18.40 185.50
 110.00 11 21 7 1537.83 -16.95 352.19 21.68 120.14 11 46 44 937.8 -12.81 345.52
 110.00 22 29 16 4403.49 23.98 174.48 23.44 64.88 23 42 39 3803.5 20.40 167.17

DIFFERENTIAL CORRECTIONS

TDE-1.4705 TRA 2.7829 TC3-3.4556 BAU .6394
 RDE -.2760 RRA .8925 RC3 -.7797 FAU .07317
 FDE-3.2117 FRA 5.3096 FC3-4.6915 BSP 18037
 BDE 1.4962 BRA 2.9225 BC3 3.5425 FSP -3077

MID-COURSE EXECUTION ACCURACY

SGT 5535.4 SGR 1568.8 SG3 889.1
 RRT .9805 RRF .9736 RTF .9895
 SGB 5753.4 R23 .0029 R13 .9897
 SG1 5745.7 SG2 297.1 TMA 15.57

ORBIT DETERMINATION ACCURACY

ST 2639.6 SR 600.7 SS 2159.8
 CRT .9679 CRS -.9523 CST -.9984
 LSA 3458.0 MSA 187.1 SSA 13.5
 EL1 2703.1 EL2 147.4 ALF 12.46

LAUNCH DATE APR 25 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 548.435

RL 150.48 LAL -1.00 LOL 214.11 VL 27.309 GAL 6.80 AZL 91.30 MCA 241.93 SMA 130.36 ECC .19370 INC 1.2950 V1 29.609
 RP 107.61 LAP 1.14 LOP 96.04 VP 38.060 GAP 4.90 AZP 89.39 TAL 149.12 TAP 31.05 RCA 105.11 APO 155.61 V2 35.216
 RC 106.849 GL -9.33 GP -21.66 ZAL 42.85 ZAP 136.89 ETS 336.79 ZAE 128.45 ETE 197.28 ZAC 133.07 ETC 1.37 CLP-141.77

PLANETOCENTRIC CONIC

C3 14.284 VHL 3.779 DLA -5.44 RAL 169.06 RAD 6567.6 VEL 11.648 PTH 2.04 VHP 4.637 DPA -1.65 RAP 132.01 ECC 1.2351
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 8 21 1967.59 -12.91 26.42 24.42 115.42 9 41 9 1367.6 -9.38 19.51
 90.00 19 45 8 4950.44 21.69 216.34 26.44 71.33 21 7 38 4350.4 18.94 208.74
 100.00 10 27 7 1713.48 -13.83 7.27 23.96 116.77 10 55 41 1113.5 -10.13 .43
 100.00 21 9 2 4679.78 22.65 196.07 26.07 69.96 22 27 2 4079.8 19.72 188.50
 110.00 11 29 29 1518.25 -16.27 351.07 22.58 120.48 11 54 47 918.2 -12.11 344.44
 110.00 22 23 11 4447.78 25.23 177.31 24.94 66.14 23 37 18 3847.8 21.79 169.85

DIFFERENTIAL CORRECTIONS

TDE-1.6210 TRA 2.9667 TC3-3.3864 BAU .6590
 RDE -.2361 RRA .8314 RC3 -.6646 FAU .06696
 FDE-3.1583 FRA 5.0961 FC3-4.0587 BSP 18635
 BDE 1.6381 BRA 3.0810 BC3 3.4510 FSP -2889

MID-COURSE EXECUTION ACCURACY

SGT 5744.8 SGR 1408.4 SG3 831.3
 RRT .9746 RRF .9654 RTF .9893
 SGB 5914.9 R23 -.0073 R13 .9893
 SG1 5907.0 SG2 306.5 TMA 13.48

ORBIT DETERMINATION ACCURACY

ST 2807.5 SR 522.1 SS 2133.3
 CRT .9520 CRS -.9350 CST -.9986
 LSA 3559.4 MSA 189.2 SSA 13.6
 EL1 2851.3 EL2 157.3 ALF 10.07

LAUNCH DATE APR 25 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 554.525

RL 150.48 LAL -1.00 LOL 214.11 VL 27.294 GAL 7.04 AZL 91.46 MCA 245.17 SMA 130.26 ECC .19690 INC 1.4561 V1 29.609
 RP 107.59 LAP 1.32 LOP 99.27 VP 38.056 GAP 5.37 AZP 89.39 TAL 148.55 TAP 33.72 RCA 104.61 APO 155.90 V2 35.223
 RC 109.101 GL -10.18 GP -20.17 ZAL 42.26 ZAP 139.81 ETS 336.07 ZAE 127.35 ETE 195.50 ZAC 132.57 ETC 2.89 CLP-144.48

PLANETOCENTRIC CONIC

C3 15.158 VHL 3.893 DLA -6.53 RAL 169.42 RAD 6567.6 VEL 11.685 PTH 2.06 VHP 4.822 DPA -.33 RAP 132.86 ECC 1.2495
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 18 4 1946.62 -12.30 25.18 25.54 115.71 9 50 31 1346.6 -8.74 18.31
 90.00 19 38 19 4997.88 22.69 219.46 28.05 72.59 21 1 37 4397.9 20.09 211.74
 100.00 10 36 18 1694.23 -13.24 6.15 25.06 117.05 11 4 32 1094.2 -9.51 359.34
 100.00 21 2 46 4725.50 23.69 199.07 27.69 71.21 22 21 31 4125.5 20.90 191.38
 110.00 11 37 26 1502.82 -15.74 350.19 23.64 120.74 12 2 29 902.8 -11.54 343.60
 110.00 22 18 7 4489.68 26.36 180.05 26.58 67.40 23 32 57 3889.7 23.06 172.44

DIFFERENTIAL CORRECTIONS

TDE-1.7709 TRA 3.1545 TC3-3.2904 BAU .6766
 RDE -.1970 RRA .7786 RC3 -.5664 FAU .06087
 FDE-3.0882 FRA 4.8891 FC3-3.4763 BSP 19190
 BDE 1.7818 BRA 3.2492 BC3 3.3388 FSP -2701

MID-COURSE EXECUTION ACCURACY

SGT 5932.0 SGR 1268.3 SG3 774.8
 RRT .9669 RRF .9551 RTF .9891
 SGB 6066.1 R23 -.0155 R13 .9890
 SG1 6057.8 SG2 317.1 TMA 11.71

ORBIT DETERMINATION ACCURACY

ST 2960.2 SR 451.6 SS 2098.9
 CRT .9288 CRS -.9100 CST -.9988
 LSA 3651.7 MSA 191.4 SSA 13.6
 EL1 2989.8 EL2 165.7 ALF 8.09

LAUNCH DATE APR 25 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 560.584

RL 150.48 LAL -1.00 LOL 214.11 VL 27.278 GAL 7.30 AZL 91.61 MCA 248.41 SMA 130.15 ECC .20038 INC 1.6090 VI 29.609
 RP 107.57 LAP 1.50 LOP 102.51 VP 38.051 GAP 5.84 AZP 89.41 TAL 147.97 TAP 36.37 RCA 104.07 APO 156.23 V2 35.230
 RC 111.351 GL -10.90 GP -14.84 ZAL 41.65 ZAP 142.54 ETS 335.37 ZAE 126.32 ETE 194.01 ZAC 131.85 ETC 4.27 CLP-147.00

PLANETOCENTRIC CONIC

C3 16.134 VHL 4.017 DLA -7.50 RAL 169.85 RAD 6567.6 VEL 11.727 PTH 2.07 VHP 5.023 DPA .79 RAP 133.86 ECC 1.2655
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 27 16 1929.88 -11.80 24.20 26.80 115.93 9 59 26 1329.9 -8.22 17.36
 90.00 19 32 33 5042.82 23.57 222.45 29.79 73.84 20 56 36 4442.8 21.13 214.63
 100.00 10 45 1 1679.08 -12.77 5.27 26.30 117.26 11 13 0 1079.1 -9.01 358.49
 100.00 20 57 29 4768.86 24.61 201.96 29.44 72.47 22 16 58 4168.9 21.98 194.15
 110.00 11 45 2 1491.14 -15.33 349.53 24.83 120.93 12 9 53 891.1 -11.12 342.96
 110.00 22 13 57 4529.56 27.37 182.71 28.36 68.68 23 29 27 3929.6 24.23 174.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9211 TRA 3.3472 TC3-3.1748 BAU .6927 SGT 6099.6 SGR 1146.3 SG3 720.7 ST 3098.8 SR 389.6 SS 2058.9
 RDE -.1593 RRA .7328 RC3 -.4834 FAU .05506 RRT .9569 RRF .9425 RTF .9888 CRT .8949 CRS -.8742 CST -.9990
 FDE-3.0077 FRA 4.6910 FC3-2.9542 BSP 19715 SGB 6206.3 R23 -.0220 R13 .9886 LSA 3735.7 MSA 193.5 SSA 13.6
 BOE 1.9277 BRA 3.4265 BC3 3.2114 FSP -2519 SG1 6197.7 SG2 327.8 TMA 10.22 EL1 3118.4 EL2 172.7 ALF 6.44

LAUNCH DATE APR 25 1967

FLIGHT TIME 208.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 566.609

RL 150.48 LAL -1.00 LOL 214.11 VL 27.262 GAL 7.58 AZL 91.76 MCA 251.65 SMA 130.03 ECC .20418 INC 1.7553 VI 29.609
 RP 107.55 LAP 1.67 LOP 105.75 VP 38.045 GAP 6.33 AZP 89.45 TAL 147.36 TAP 39.00 RCA 103.48 APO 156.58 V2 35.236
 RC 113.598 GL -11.51 GP -17.64 ZAL 41.01 ZAP 145.08 ETS 334.66 ZAE 125.34 ETE 192.75 ZAC 130.95 ETC 5.51 CLP-149.36

PLANETOCENTRIC CONIC

C3 17.222 VHL 4.150 DLA -8.36 RAL 170.34 RAD 6567.7 VEL 11.773 PTH 2.08 VHP 5.238 DPA 1.73 RAP 134.98 ECC 1.2834
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 36 0 1917.00 -11.41 23.45 28.18 116.09 10 7 57 1317.0 -7.82 16.62
 90.00 19 27 43 5085.62 24.35 225.35 31.65 75.08 20 52 28 4485.6 22.07 217.42
 100.00 10 53 17 1667.66 -12.41 4.61 27.67 117.41 11 21 5 1067.7 -8.64 357.85
 100.00 20 53 6 4810.20 25.43 204.76 31.32 73.73 22 13 16 4210.2 22.95 196.83
 110.00 11 52 18 1482.91 -15.04 349.07 26.15 121.06 12 17 1 882.9 -10.82 342.52
 110.00 22 10 35 4567.72 28.29 185.30 30.26 69.96 23 26 43 3967.7 25.30 177.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0649 TRA 3.5496 TC3-3.0351 BAU .7052 SGT 6248.3 SGR 1040.1 SG3 669.4 ST 3220.7 SR 335.9 SS 2012.0
 RDE -.1221 RRA .6936 RC3 -.4114 FAU .04930 RRT .9442 RRF .9272 RTF .9884 CRT .8447 CRS -.8219 CST -.9991
 FDE-2.9150 FRA 4.5091 FC3-2.4784 BSP 20126 SGB 6334.3 R23 -.0267 R13 .9882 LSA 3807.3 MSA 195.8 SSA 13.7
 BOE 2.0725 BRA 3.6167 BC3 3.0629 FSP -2335 SG1 6325.2 SG2 338.5 TMA 8.96 EL1 3233.2 EL2 179.1 ALF 5.05

LAUNCH DATE APR 25 1967

FLIGHT TIME 210.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 572.596

RL 150.48 LAL -1.00 LOL 214.11 VL 27.245 GAL 7.88 AZL 91.90 MCA 254.89 SMA 129.91 ECC .20830 INC 1.8962 VI 29.609
 RP 107.53 LAP 1.83 LOP 108.99 VP 38.038 GAP 6.83 AZP 89.51 TAL 146.73 TAP 41.62 RCA 102.85 APO 156.97 V2 35.241
 RC 115.842 GL -12.01 GP -16.56 ZAL 40.36 ZAP 147.46 ETS 333.91 ZAE 124.43 ETE 191.69 ZAC 129.89 ETC 6.60 CLP-151.58

PLANETOCENTRIC CONIC

C3 18.433 VHL 4.293 DLA -9.14 RAL 170.88 RAD 6567.7 VEL 11.824 PTH 2.09 VHP 5.468 DPA 2.51 RAP 136.21 ECC 1.3034
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 44 18 1907.69 -11.14 22.91 29.68 116.20 10 16 6 1307.7 -7.52 16.09
 90.00 19 23 42 5126.57 25.04 228.15 33.62 76.33 20 49 9 4526.6 22.91 220.12
 100.00 11 1 10 1659.69 -12.16 4.15 29.15 117.52 11 28 50 1059.7 -8.38 357.40
 100.00 20 49 31 4849.81 26.15 207.48 33.30 74.98 22 10 21 4249.8 23.84 199.44
 110.00 11 59 15 1477.85 -14.86 348.79 27.59 121.14 12 23 52 877.8 -10.63 342.24
 110.00 22 7 56 4604.41 29.12 187.83 32.28 71.25 23 24 41 4004.4 26.29 179.79

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.2213 TRA 3.7562 TC3-2.8914 BAU .7178 SGT 6381.9 SGR 947.4 SG3 621.4 ST 3333.5 SR 291.5 SS 1965.9
 RDE -.0871 RRA .6587 RC3 -.3520 FAU .04419 RRT .9287 RRF .9090 RTF .9880 CRT .7741 CRS -.7491 CST -.9992
 FDE-2.8258 FRA 4.3347 FC3-2.0753 BSP 20586 SGB 6451.8 R23 -.0307 R13 .9878 LSA 3875.9 MSA 197.7 SSA 13.6
 BOE 2.2230 BRA 3.8135 BC3 2.9127 FSP -2173 SG1 6442.4 SG2 347.9 TMA 7.87 EL1 3341.2 EL2 184.1 ALF 3.88

LAUNCH DATE APR 25 1967

FLIGHT TIME 212.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 578.544

RL 150.48 LAL -1.00 LOL 214.11 VL 27.227 GAL 8.20 AZL 92.03 MCA 258.13 SMA 129.79 ECC .21277 INC 2.0329 VI 29.609
 RP 107.52 LAP 1.99 LOP 112.24 VP 38.029 GAP 7.34 AZP 89.58 TAL 146.08 TAP 44.21 RCA 102.17 APO 157.40 V2 35.246
 RC 118.080 GL -12.41 GP -15.59 ZAL 39.68 ZAP 149.69 ETS 333.11 ZAE 123.59 ETE 190.78 ZAC 128.69 ETC 7.55 CLP-153.67

PLANETOCENTRIC CONIC

C3 19.783 VHL 4.448 DLA -9.84 RAL 171.46 RAD 6567.8 VEL 11.881 PTH 2.11 VHP 5.713 DPA 3.15 RAP 137.54 ECC 1.3256
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 52 11 1901.70 -10.95 22.56 31.29 116.28 10 23 53 1301.7 -7.34 15.75
 90.00 19 20 27 5165.91 25.65 230.87 35.69 77.56 20 46 33 4565.9 23.68 222.75
 100.00 11 8 41 1654.93 -12.01 3.87 30.74 117.58 11 36 16 1054.9 -8.22 357.13
 100.00 20 46 39 4887.92 26.80 210.13 35.39 76.23 22 8 7 4287.9 24.64 201.99
 110.00 12 5 54 1475.75 -14.79 348.67 29.13 121.17 12 30 29 875.8 -10.55 342.13
 110.00 22 5 55 4639.85 29.87 190.32 34.41 72.55 23 23 15 4039.9 27.19 182.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3752 TRA 3.9718 TC3-2.7381 BAU .7285 SGT 6500.6 SGR 866.5 SG3 576.7 ST 3434.2 SR 255.8 SS 1918.0
 RDE -.0532 RRA .6280 RC3 -.3014 FAU .03942 RRT .9101 RRF .8876 RTF .9877 CRT .6760 CRS -.6488 CST -.9993
 FDE-2.7354 FRA 4.1736 FC3-1.7250 BSP 21011 SGB 6558.1 R23 -.0338 R13 .9875 LSA 3936.7 MSA 199.3 SSA 13.6
 BOE 2.3758 BRA 4.0211 BC3 2.7547 FSP -2022 SG1 6548.4 SG2 356.4 TMA 6.94 EL1 3438.5 EL2 188.3 ALF 2.89

LAUNCH DATE APR 25 1967

FLIGHT TIME 214.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 584.448

RL 150.48 LAL -.00 LOL 214.11 VL 27.20H GAL 8.56 AZL 92.17 HCA 261.37 SMA 129.66 ECC .21762 INC 2.1665 V1 29.609
 RP 107.50 LAP 2.14 LOP 115.4H VP 38.020 GAP 7.86 AZP 89.67 TAL 145.42 TAP 46.79 RCA 101.44 APO 157.88 V2 35.250
 RC 120.312 GL -12.74 GP -14.72 ZAL 39.00 ZAP 151.78 ETS 332.23 ZAE 122.81 ETE 190.01 ZAC 127.38 ETC 8.38 CLP-155.65

PLANETOCENTRIC CONIC

C3 21.28H VHL 4.614 DLA -10.46 RAL 172.08 RAD 6567.9 VEL 11.944 PTH 2.13 VMP 5.973 DPA 3.64 RAP 138.96 ECC 1.3504
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 59 41 1898.83 -10.87 22.40 32.99 116.31 10 31 20 1298.8 -7.25 15.59
 90.00 19 17 53 5203.85 26.17 233.52 37.85 78.79 20 44 37 4603.8 24.36 225.32
 100.00 11 15 49 1653.19 -11.96 3.77 32.42 117.60 11 43 22 1053.2 -8.17 357.03
 100.00 20 44 25 4924.73 27.37 212.71 37.57 77.48 22 6 30 4324.7 25.37 204.48
 110.00 12 12 16 1476.45 -14.82 348.71 30.77 121.16 12 36 52 876.4 -10.58 342.17
 110.00 22 4 28 4674.23 30.55 192.76 36.64 73.86 23 22 23 4074.2 28.03 184.47

DIFFERENTIAL CORRECTIONS

TDE-2.5309 TRA 4.1984 TC3-2.5767 BAU .7370
 RDE -.0201 RRA .6009 RC3 -.2579 FAU .03495
 FDE-2.6456 FRA 4.0268 FC3-1.4212 BSP 21392
 BDE 2.5310 BRA 4.2412 BC3 2.5896 FSP -1879

MID-COURSE EXECUTION ACCURACY

SGT 6606.0 SGR 795.6 SG3 535.2
 RRT .8880 RRF .8629 RTF .9874
 SGB 6653.8 R23 -.0360 R13 .9872
 SGI 6643.8 SG2 363.8 TMA 6.12

ORBIT DETERMINATION ACCURACY

ST 3523.2 SR 229.1 SS 1869.4
 CRT .5465 CRS -.5177 CST -.9994
 LSA 3989.9 MSA 200.8 SSA 13.5
 EL1 3525.4 EL2 191.8 ALF 2.04

LAUNCH DATE APR 25 1967

FLIGHT TIME 216.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 590.303

RL 150.48 LAL -.00 LOL 214.17 VL 27.189 GAL 8.94 AZL 92.30 HCA 264.62 SMA 129.53 ECC .22287 INC 2.2978 V1 29.609
 RP 107.49 LAP 2.29 LOP 118.73 VP 38.009 GAP 8.40 AZP 89.78 TAL 144.75 TAP 49.36 RCA 100.66 APO 158.40 V2 35.253
 RC 122.538 GL -12.99 GP -13.93 ZAL 38.30 ZAP 153.75 ETS 331.26 ZAE 122.08 ETE 189.74 ZAC 125.97 ETC 9.10 CLP-157.53

PLANETOCENTRIC CONIC

C3 22.969 VHL 4.793 DLA -11.01 RAL 172.73 RAD 6567.9 VEL 12.014 PTH 2.14 VMP 6.248 DPA 4.02 RAP 140.46 ECC 1.3780
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 6 48 1898.92 -10.87 22.40 34.78 116.31 10 38 27 1298.9 -7.25 15.60
 90.00 19 15 55 5240.57 26.63 236.11 40.11 80.01 20 43 16 4640.6 24.98 227.83
 100.00 11 22 37 1654.30 -11.99 3.84 34.20 117.59 11 50 11 1054.3 -8.20 357.10
 100.00 20 42 47 4960.42 27.87 215.25 39.84 78.73 22 5 28 4360.4 26.03 206.93
 110.00 12 18 21 1479.77 -14.93 348.80 32.50 121.11 12 43 1 879.8 -10.70 342.35
 110.00 22 3 33 4707.71 31.16 195.18 38.97 75.17 23 22 0 4107.7 28.81 184.77

DIFFERENTIAL CORRECTIONS

TDE-2.6891 TRA 4.4375 TC3-2.4098 BAU .7431
 RDE .0121 RRA .5766 RC3 -.2204 FAU .03077
 FDE-2.5576 FRA 3.8937 FC3-1.1597 BSP 21730
 BDE 2.6891 BRA 4.4748 BC3 2.4198 FSP -1746

MID-COURSE EXECUTION ACCURACY

SGT 6699.2 SGR 733.4 SG3 496.9
 RRT .8622 RRF .8346 RTF .9870
 SGB 6739.2 R23 -.0375 R13 .9868
 SGI 6729.1 SG2 369.9 TMA 5.41

ORBIT DETERMINATION ACCURACY

ST 3601.2 SR 211.3 SS 1820.6
 CRT .3882 CRS -.3586 CST -.9995
 LSA 4035.7 MSA 202.0 SSA 13.4
 EL1 3602.1 EL2 194.6 ALF 1.31

LAUNCH DATE APR 25 1967

FLIGHT TIME 218.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 596.105

RL 150.48 LAL -.00 LOL 214.11 VL 27.170 GAL 9.35 AZL 92.43 HCA 267.86 SMA 129.40 ECC .22856 INC 2.4277 V1 29.609
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.997 GAP 8.96 AZP 89.91 TAL 144.06 TAP 51.92 RCA 99.82 APO 158.97 V2 35.256
 RC 124.755 GL -13.17 GP -13.23 ZAL 37.59 ZAP 155.61 ETS 330.16 ZAE 121.40 ETE 188.76 ZAC 124.47 ETC 9.71 CLP-159.32

PLANETOCENTRIC CONIC

C3 24.850 VHL 4.985 DLA -11.50 RAL 173.40 RAD 6568.0 VEL 12.092 PTH 2.16 VMP 6.540 DPA 4.28 RAP 142.02 ECC 1.4090
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 13 32 1901.81 -10.96 22.57 36.65 116.27 10 45 14 1301.8 -7.34 15.76
 90.00 19 14 31 5276.21 27.03 238.65 42.44 81.22 20 42 28 4676.2 25.54 230.30
 100.00 11 29 4 1658.13 -12.11 4.06 36.05 117.54 11 56 42 1058.1 -8.33 357.31
 100.00 20 41 41 4995.13 28.31 217.73 42.20 79.97 22 4 56 4395.1 26.63 209.33
 110.00 12 24 9 1485.60 -15.14 349.22 34.30 121.02 12 48 55 885.6 -10.92 342.66
 110.00 22 3 5 4740.42 31.70 197.58 41.38 76.49 23 22 5 4140.4 29.52 189.05

DIFFERENTIAL CORRECTIONS

TDE-2.8481 TRA 4.6926 TC3-2.2359 BAU .7454
 RDE .0441 RRA .5546 RC3 -.1876 FAU .02678
 FDE-2.4701 FRA 3.7754 FC3 -.9329 BSP 21972
 BDE 2.8485 BRA 4.7252 BC3 2.2438 FSP -1617

MID-COURSE EXECUTION ACCURACY

SGT 6780.9 SGR 678.8 SG3 461.5
 RRT .8325 RRF .8028 RTF .9867
 SGB 6814.8 R23 -.0381 R13 .9865
 SGI 6804.4 SG2 374.8 TMA 4.78

ORBIT DETERMINATION ACCURACY

ST 3667.0 SR 201.7 SS 1771.1
 CRT .2119 CRS -.1827 CST -.9995
 LSA 4072.3 MSA 203.0 SSA 13.3
 EL1 3667.3 EL2 197.1 ALF .67

LAUNCH DATE APR 25 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 601.848

RL 150.48 LAL -.00 LOL 214.11 VL 27.150 GAL 9.79 AZL 92.56 HCA 271.11 SMA 129.26 ECC .23472 INC 2.5571 V1 29.609
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.985 GAP 9.54 AZP 90.05 TAL 143.37 TAP 54.48 RCA 98.92 APO 159.60 V2 35.258
 RC 126.964 GL -13.29 GP -12.59 ZAL 36.87 ZAP 157.37 ETS 328.91 ZAE 120.77 ETE 188.25 ZAC 122.90 ETC 10.24 CLP-161.04

PLANETOCENTRIC CONIC

C3 26.959 VHL 5.192 DLA -11.94 RAL 174.08 RAD 6568.1 VEL 12.179 PTH 2.19 VMP 6.849 DPA 4.45 RAP 143.64 ECC 1.4437
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 19 55 1907.39 -11.13 22.90 38.59 116.21 10 51 42 1307.4 -7.52 16.08
 90.00 19 13 38 5310.91 27.37 241.13 44.84 82.42 20 42 9 4710.9 26.03 232.72
 100.00 11 35 11 1664.56 -12.31 4.43 37.98 117.45 12 2 55 1064.6 -8.54 357.67
 100.00 20 41 3 5028.98 28.68 220.18 44.63 81.20 22 4 52 4429.0 27.17 211.70
 110.00 12 29 41 1493.83 -15.43 349.69 36.19 120.89 12 54 35 893.8 -11.22 343.11
 110.00 22 3 2 4772.47 32.19 199.95 43.88 77.81 23 22 34 4172.5 30.17 191.31

DIFFERENTIAL CORRECTIONS

TDE-3.0146 TRA 4.9589 TC3-2.0669 BAU .7471
 RDE .0752 RRA .5339 RC3 -.1597 FAU .02323
 FDE-2.3903 FRA 3.6660 FC3 -.7459 BSP 22271
 BDE 3.0156 BRA 4.9875 BC3 2.0730 FSP -1506

MID-COURSE EXECUTION ACCURACY

SGT 6852.4 SGR 630.0 SG3 429.0
 RRT .7986 RRF .7670 RTF .9865
 SGB 6881.3 R23 -.0386 R13 .9863
 SGI 6870.9 SG2 378.2 TMA 4.21

ORBIT DETERMINATION ACCURACY

ST 3726.4 SR 198.8 SS 1724.8
 CRT .0372 CRS -.0094 CST -.9996
 LSA 4106.0 MSA 203.4 SSA 13.4
 EL1 3726.4 EL2 198.7 ALF .11

LAUNCH DATE APR 26 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 5 1967

HELIOCENTRIC CONIC

DISTANCE 125.834

RL 150.52 LAL -.00 LOL 215.09 VL 14.653 GAL 30.79 AZL 89.00 HCA 32.27 SMA 85.70 ECC .82726 INC .9997 V1 29.601
 RP 108.53 LAP .53 LOP 247.35 VP 29.949 GAP -54.35 AZP 89.15 TAL 172.56 TAP 204.83 RCA 14.80 APO 156.59 V2 34.917
 RC 88.632 GL .68 GP 2.43 ZAL 67.52 ZAP 35.57 ETS 186.44 ZAE 135.72 ETE 176.90 ZAC 156.01 ETC 47.48 CLP 35.49

PLANETOCENTRIC CONIC

C3 339.051 VHL 18.413 DLA 12.96 RAL 150.00 RAD 6571.9 VEL 21.456 PTH 3.21 VMP 30.178 DPA 26.76 RAP 104.17 ECC 6.5799
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 26 54 3217.22 -25.85 111.95 60.65 78.03 6 20 32 2617.2 -27.25 103.56
 90.00 20 46 40 5032.28 23.37 221.75 48.60 73.54 22 10 32 4432.3 -20.89 213.95
 100.00 6 54 58 2933.21 -27.58 91.47 61.06 78.00 7 43 51 2333.2 -28.96 82.94
 100.00 22 1 17 4791.52 25.06 203.49 48.05 73.15 23 21 9 4191.5 22.52 195.62
 110.00 8 18 20 2672.33 -32.20 72.80 62.20 77.85 9 2 53 2072.3 -33.54 63.82
 110.00 22 54 24 4625.17 29.57 189.28 46.46 72.01 24 11 29 4025.2 26.82 181.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7899 TRA-2.0965 TC3 -.1046 BAU .4745 SGT 810.5 SGR 462.0 SG3 23.1 ST 317.6 SR 419.6 SS 301.7
 ROE-1.3343 RRA -.6332 RC3 .0038 FAU .01161 RRT .0747 RRF -.0668 RTF -.6089 CRT -.6744 CRS -.7168 CST .9962
 FOE -.3013 FRA .7076 FC3 -.0297 BSP 1903 SGB 933.0 R23 .0003 R13 -.6093 LSA 558.3 MSA 236.8 SSA 14.1
 BOE 1.5506 BRA 2.1901 BC3 .1047 FSP -46 SG1 811.6 SG2 460.1 TMA 3.60 EL1 485.7 EL2 202.6 ALF 123.65

LAUNCH DATE APR 26 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 7 1967

HELIOCENTRIC CONIC

DISTANCE 131.142

RL 150.52 LAL -.00 LOL 215.09 VL 15.476 GAL 29.32 AZL 89.40 HCA 35.45 SMA 87.09 ECC .80192 INC .5979 V1 29.601
 RP 108.57 LAP .35 LOP 250.53 VP 30.347 GAP -51.94 AZP 89.51 TAL 171.68 TAP 207.13 RCA 17.25 APO 156.93 V2 34.905
 RC 86.259 GL .46 GP 2.48 ZAL 66.16 ZAP 34.05 ETS 186.68 ZAE 135.73 ETE 176.43 ZAC 154.76 ETC 44.97 CLP 33.97

PLANETOCENTRIC CONIC

C3 310.058 VHL 17.608 DLA 12.28 RAL 151.23 RAD 6571.8 VEL 20.769 PTH 3.18 VMP 29.089 DPA 26.73 RAP 106.03 ECC 6.1028
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 37 39 3183.84 -26.30 109.61 60.86 79.12 6 30 42 2583.8 -27.54 101.16
 90.00 20 45 43 5045.41 23.62 222.63 49.30 73.91 22 9 49 4445.4 -21.19 214.80
 100.00 7 5 16 2901.23 -28.02 89.19 61.23 79.12 7 53 38 2301.2 -29.23 80.60
 100.00 22 0 47 4803.25 25.29 204.29 48.76 73.51 23 20 50 4203.2 22.79 196.38
 110.00 8 27 42 2643.29 -32.59 70.62 62.25 79.08 9 11 46 2043.3 -33.76 61.58
 110.00 22 54 50 4633.95 29.75 189.90 47.22 72.33 24 12 4 4034.0 27.05 181.75

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8004 TRA-2.1130 TC3 -.1118 BAU .4639 SGT 847.3 SGR 468.4 SG3 25.0 ST 335.5 SR 423.6 SS 318.6
 ROE-1.2875 RRA -.6273 RC3 .0047 FAU .01166 RRT .0789 RRF -.0710 RTF -.6274 CRT -.6748 CRS -.7211 CST .9960
 FOE -.3177 FRA .7333 FC3 -.0326 BSP 2021 SGB 968.2 R23 .0000 R13 -.6278 LSA 578.1 MSA 243.1 SSA 14.3
 BOE 1.5161 BRA 2.2042 BC3 .1119 FSP -51 SG1 848.5 SG2 466.3 TMA 3.58 EL1 497.6 EL2 210.8 ALF 125.38

LAUNCH DATE APR 26 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 9 1967

HELIOCENTRIC CONIC

DISTANCE 136.575

RL 150.52 LAL -.00 LOL 215.09 VL 16.250 GAL 27.96 AZL 89.75 HCA 38.62 SMA 88.52 ECC .77633 INC .2545 V1 29.601
 RP 108.60 LAP .16 LOP 253.71 VP 30.736 GAP -49.67 AZP 89.80 TAL 170.81 TAP 209.43 RCA 19.80 APO 157.24 V2 34.894
 RC 83.901 GL .22 GP 2.55 ZAL 64.84 ZAP 32.56 ETS 186.95 ZAE 135.80 ETE 175.94 ZAC 153.44 ETC 42.68 CLP 32.47

PLANETOCENTRIC CONIC

C3 283.685 VHL 16.843 DLA 11.59 RAL 152.40 RAD 6571.6 VEL 20.124 PTH 3.15 VMP 28.038 DPA 26.68 RAP 107.92 ECC 5.6687
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 48 5 3150.02 -26.72 107.22 60.95 80.25 6 40 35 2550.0 -27.79 98.72
 90.00 20 44 37 5057.80 23.85 223.46 49.91 74.27 22 8 55 4457.8 21.46 215.60
 100.00 7 15 17 2868.76 -28.41 86.86 61.28 80.29 8 3 6 2268.8 -29.46 78.21
 100.00 22 0 6 4814.29 25.50 203.04 49.39 73.86 23 20 20 4214.3 23.04 197.10
 110.00 8 36 48 2613.69 -32.95 68.39 62.18 80.35 9 20 22 2013.7 -33.93 59.29
 110.00 22 55 4 4642.12 29.92 190.48 47.89 72.64 24 12 27 4042.1 27.25 182.30

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8106 TRA-2.1298 TC3 -.1192 BAU .4525 SGT 885.6 SGR 474.3 SG3 26.9 ST 354.1 SR 427.1 SS 335.8
 ROE-1.2410 RRA -.6201 RC3 .0058 FAU .01172 RRT .0832 RRF -.0753 RTF -.6455 CRT -.6750 CRS -.7250 CST .9957
 FOE -.3345 FRA .7593 FC3 -.0358 BSP 2149 SGB 1004.6 R23 -.0003 R13 -.6458 LSA 598.6 MSA 249.2 SSA 14.6
 BOE 1.4823 BRA 2.2183 BC3 .1193 FSP -56 SG1 886.8 SG2 472.0 TMA 3.56 EL1 509.8 EL2 218.9 ALF 127.20

LAUNCH DATE APR 26 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 11 1967

HELIOCENTRIC CONIC

DISTANCE 142.126

RL 150.52 LAL -.00 LOL 215.09 VL 16.978 GAL 26.71 AZL 90.04 HCA 41.79 SMA 89.97 ECC .75066 INC .0402 V1 29.601
 RP 108.64 LAP -.03 LOP 256.88 VP 31.115 GAP -47.52 AZP 90.03 TAL 169.93 TAP 211.72 RCA 22.43 APO 157.50 V2 34.883
 RC 81.561 GL -.04 GP 2.61 ZAL 63.58 ZAP 31.10 ETS 187.24 ZAE 135.95 ETE 175.40 ZAC 152.07 ETC 40.58 CLP 31.00

PLANETOCENTRIC CONIC

C3 259.663 VHL 16.114 DLA 10.90 RAL 153.51 RAD 6571.5 VEL 19.519 PTH 3.11 VMP 27.023 DPA 26.62 RAP 109.83 ECC 5.2734
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 58 14 3115.71 -27.09 104.78 60.91 81.42 6 50 10 2515.7 -28.00 96.23
 90.00 20 43 21 5069.46 24.06 224.25 50.43 74.61 22 7 50 4469.5 21.72 216.36
 100.00 7 25 2 2835.77 -28.77 84.47 61.19 81.50 8 12 18 2235.8 -29.64 75.78
 100.00 21 59 14 4824.63 25.70 205.75 49.93 74.18 23 19 39 4224.6 23.28 197.78
 110.00 8 45 39 2583.51 -33.27 66.09 61.97 81.68 9 28 42 1983.5 -34.07 56.94
 110.00 22 55 6 4649.66 30.07 191.01 48.47 72.92 24 12 36 4049.7 27.44 182.81

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8207 TRA-2.1464 TC3 -.1267 BAU .4404 SGT 925.1 SGR 479.6 SG3 29.0 ST 373.7 SR 429.9 SS 353.5
 ROE-1.1946 RRA -.6118 RC3 .0072 FAU .01180 RRT .0875 RRF -.0797 RTF -.6629 CRT -.6751 CRS -.7286 CST .9955
 FOE -.3516 FRA .7856 FC3 -.0393 BSP 2291 SGB 1042.1 R23 -.0007 R13 -.6633 LSA 620.0 MSA 254.8 SSA 14.8
 BOE 1.4494 BRA 2.2319 BC3 .1269 FSP -61 SG1 926.4 SG2 477.1 TMA 3.54 EL1 522.5 EL2 226.9 ALF 129.12

LAUNCH DATE APR 26 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 13 1967

HELIOCENTRIC CONIC

DISTANCE 147.788

RL 150.52 LAL -.00 LOL 215.09 VL 17.663 GAL 25.53 AZL 90.31 MCA 44.97 SMA 91.44 ECC .72506 INC .3070 V1 29.601
 RP 108.67 LAP -.22 LOP 260.05 VP 31.482 GAP -45.47 ATP 90.22 TAL 169.06 TAP 214.03 RCA 25.14 APO 157.74 V2 34.872
 RC 79.241 GL -.32 GP 2.69 ZAL 62.36 ZAP 29.66 ETS 187.58 ZAE 136.17 ETE 174.82 ZAC 150.64 ETC 38.67 CLP 29.55

PLANETOCENTRIC CONIC

C3 237.756 VML 15.419 DLA 10.21 RAL 154.57 RAD 6571.4 VEL 18.949 PTH 3.07 VHP 26.041 DPA 26.53 RAP 111.75 ECC 4.9129
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 8 6 3080.88 -27.42 102.28 60.74 82.63 6 59 27 2480.9 -28.15 93.69
 90.00 20 41 54 5080.40 24.26 224.99 50.85 74.93 22 6 34 4480.4 21.96 217.08
 100.00 7 34 30 2802.22 -29.08 82.03 60.98 82.75 8 21 12 2202.2 -29.78 73.29
 100.00 21 58 11 4834.29 25.88 206.41 50.36 74.49 23 18 45 4234.3 23.50 198.42
 110.00 8 54 14 2552.71 -33.55 63.73 61.63 83.05 9 36 47 1952.7 -34.15 54.54
 110.00 22 54 56 4656.56 30.21 191.50 48.94 73.18 24 12 33 4056.6 27.61 183.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8306 TRA-2.1625 TC3 -.1342 BAU .4276 SGT 966.1 SGR 484.3 SG3 31.2 ST 394.2 SR 432.2 SS 371.7
 RDE-1.1485 RRA -.6023 RC3 .0087 FAU .01189 RRT .0917 RRF -.0843 RTF -.6799 CRT -.6751 CRS -.7319 CST .9952
 FDE -.3692 FRA .8123 FC3 -.0433 BSP 2449 SGB 1080.7 R23 -.0013 R13 -.6803 LSA 642.3 MSA 260.0 SSA 15.0
 BDE 1.4174 BRA 2.2448 BC3 .1345 FSP -67 SGI 967.4 SG2 481.6 TMA 3.50 EL1 535.9 EL2 234.6 ALF 131.12

LAUNCH DATE APR 26 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 15 1967

HELIOCENTRIC CONIC

DISTANCE 153.553

RL 150.52 LAL -.00 LOL 215.09 VL 18.307 GAL 24.42 AZL 90.54 MCA 48.14 SMA 92.92 ECC .69966 INC .5430 V1 29.601
 RP 108.70 LAP -.40 LOP 263.22 VP 31.837 GAP -43.53 ATP 90.36 TAL 168.20 TAP 216.34 RCA 27.91 APO 157.94 V2 34.862
 RC 76.944 GL -.61 GP 2.77 ZAL 61.19 ZAP 28.24 ETS 187.95 ZAE 136.46 ETE 174.19 ZAC 149.17 ETC 36.92 CLP 28.12

PLANETOCENTRIC CONIC

C3 217.761 VML 14.757 DLA 9.51 RAL 155.57 RAD 6571.2 VEL 18.414 PTH 3.04 VHP 25.091 DPA 26.43 RAP 113.70 ECC 4.5838
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 17 42 3045.48 -27.70 99.73 60.45 83.88 7 8 28 2445.5 -28.26 91.11
 90.00 20 40 15 5090.64 24.44 225.69 51.18 75.23 22 5 6 4490.6 22.17 217.75
 100.00 7 43 43 2768.07 -29.35 79.52 60.65 84.04 8 29 51 2168.1 -29.86 70.76
 100.00 21 56 56 4843.28 26.04 207.03 50.71 74.77 23 17 39 4243.3 23.69 199.01
 110.00 9 2 35 2521.26 -33.79 61.31 61.17 84.47 9 44 36 1921.3 -34.18 52.09
 110.00 22 54 33 4662.85 30.33 191.95 49.32 73.42 24 12 16 4062.9 27.76 183.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8373 TRA-2.1814 TC3 -.1424 BAU .4158 SGT 1009.9 SGR 488.4 SG3 33.6 ST 415.0 SR 433.8 SS 390.3
 RDE-1.1027 RRA -.5920 RC3 .0104 FAU .01198 RRT .0975 RRF -.0896 RTF -.6959 CRT -.6731 CRS -.7345 CST .9948
 FDE -.3868 FRA .8397 FC3 -.0476 BSP 2544 SGB 1121.8 R23 -.0013 R13 -.6962 LSA 665.0 MSA 265.1 SSA 15.2
 BDE 1.3846 BRA 2.2603 BC3 .1428 FSP -73 SGI 1011.3 SG2 485.4 TMA 3.51 EL1 549.2 EL2 242.4 ALF 133.11

LAUNCH DATE APR 26 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 17 1967

HELIOCENTRIC CONIC

DISTANCE 159.418

RL 150.52 LAL -.00 LOL 215.09 VL 18.914 GAL 23.38 AZL 90.76 MCA 51.31 SMA 94.41 ECC .67457 INC .7562 V1 29.601
 RP 108.73 LAP -.59 LOP 266.39 VP 32.179 GAP -41.68 ATP 90.47 TAL 167.34 TAP 218.65 RCA 30.73 APO 158.10 V2 34.853
 RC 74.673 GL -.93 GP 2.85 ZAL 60.07 ZAP 26.85 ETS 188.38 ZAE 136.84 ETE 173.51 ZAC 147.65 ETC 35.31 CLP 26.71

PLANETOCENTRIC CONIC

C3 199.503 VML 14.125 DLA 8.81 RAL 156.51 RAD 6571.1 VEL 17.912 PTH 3.00 VHP 24.171 DPA 26.30 RAP 115.66 ECC 4.2833
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 27 4 3009.45 -27.93 97.12 60.03 85.17 7 17 13 2409.4 -28.31 88.47
 90.00 20 38 25 5100.22 24.60 226.34 51.42 75.52 22 3 26 4500.2 22.37 218.38
 100.00 7 52 42 2733.27 -29.57 76.96 60.19 85.37 8 38 15 2133.3 -29.89 68.17
 100.00 21 55 29 4851.64 26.19 207.60 50.96 75.04 23 16 20 4251.6 23.88 199.57
 110.00 9 10 42 2489.13 -33.97 58.82 60.58 85.93 9 52 12 1889.1 -34.16 49.58
 110.00 22 53 57 4668.54 30.44 192.36 49.60 73.64 24 11 46 4068.5 27.90 184.08

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8248 TRA-2.2185 TC3 -.1545 BAU .4134 SGT 1063.9 SGR 492.1 SG3 36.2 ST 432.1 SR 435.0 SS 408.0
 RDE-1.0577 RRA -.5812 RC3 .0122 FAU .01198 RRT .1120 RRF -.0980 RTF -.7080 CRT -.6597 CRS -.7341 CST .9932
 FDE -.4025 FRA .8701 FC3 -.0520 BSP 2198 SGB 1172.2 R23 .0024 R13 -.7082 LSA 684.0 MSA 272.6 SSA 15.5
 BDE 1.3413 BRA 2.2934 BC3 .1550 FSP -74 SGI 1065.7 SG2 488.2 TMA 3.75 EL1 558.6 EL2 252.9 ALF 134.71

LAUNCH DATE APR 26 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 19 1967

HELIOCENTRIC CONIC

DISTANCE 165.367

RL 150.52 LAL -.00 LOL 215.09 VL 19.484 GAL 22.39 AZL 90.95 MCA 54.48 SMA 95.91 ECC .64985 INC .9514 V1 29.601
 RP 108.76 LAP -.77 LOP 269.56 VP 32.508 GAP -39.92 ATP 90.55 TAL 166.51 TAP 220.98 RCA 33.58 APO 158.24 V2 34.844
 RC 72.433 GL -1.27 GP 2.95 ZAL 59.01 ZAP 25.47 ETS 188.87 ZAE 137.29 ETE 172.77 ZAC 146.09 ETC 33.85 CLP 25.31

PLANETOCENTRIC CONIC

C3 182.777 VML 13.519 DLA 8.10 RAL 157.39 RAD 6571.0 VEL 17.438 PTH 2.96 VHP 23.280 DPA 26.16 RAP 117.64 ECC 4.0880
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 36 9 2972.77 -28.12 94.45 59.49 86.49 7 25 41 2372.8 -28.31 85.79
 90.00 20 36 23 5109.09 24.75 226.95 51.55 75.79 22 1 32 4509.1 22.56 218.97
 100.00 8 1 24 2697.79 -29.73 74.33 59.60 86.75 8 46 22 2097.8 -29.87 65.53
 100.00 21 53 49 4859.30 26.32 208.13 51.10 75.29 23 14 48 4259.3 24.04 200.08
 110.00 9 18 35 2456.28 -34.10 56.26 59.86 87.44 9 59 31 1856.3 -34.08 47.01
 110.00 22 53 7 4673.58 30.53 192.72 49.78 73.83 24 11 1 4073.6 28.02 184.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8912 TRA-2.1750 TC3 -.1500 BAU .3682 SGT 1083.5 SGR 494.3 SG3 39.0 ST 469.9 SR 434.7 SS 432.2
 RDE-1.0112 RRA -.5678 RC3 .0147 FAU .01247 RRT .0902 RRF -.0946 RTF -.7335 CRT -.6927 CRS -.7449 CST .9960
 FDE -.4291 FRA .8908 FC3 -.0591 BSP 3767 SGB 1190.9 R23 -.0113 R13 -.7340 LSA 724.3 MSA 267.7 SSA 15.3
 BDE 1.3478 BRA 2.2479 BC3 .1507 FSP -98 SGI 1084.7 SG2 491.7 TMA 2.96 EL1 589.3 EL2 250.0 ALF 138.21

LAUNCH DATE APR 26 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 21 1967

HELIOCENTRIC CONIC

DISTANCE 171.408

RL 150.52 LAL -.00 LOL 215.09 VL 20.020 GAL 21.45 AZL 91.13 MCA 57.65 SMA 97.40 ECC .62564 INC 1.1316 V1 29.601
 RP 108.79 LAP -.96 LOP 272.73 VP 32.823 GAP -38.23 A7P 90.61 TAL 165.68 TAP 223.33 RCA 36.46 APO 158.34 V2 34.835
 RC 70.227 GL -1.63 GP 3.05 ZAL 57.98 ZAP 24.11 ETS 189.44 ZAE 137.83 ETE 171.96 ZAC 144.50 ETC 32.50 CLP 23.93

PLANETOCENTRIC CONIC

C3 167.515 VML 12.943 DLA 7.39 RAL 158.22 RAD 6570.8 VEL 16.995 PTH 2.92 VMP 22.417 DPA 26.00 RAP 119.62 ECC 3.7569
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 45 1 2935.37 -28.24 91.72 58.83 87.85 7 33 57 2335.4 -28.24 83.06
 90.00 20 34 7 5117.43 24.89 227.52 51.59 76.05 21 59 25 4517.4 22.73 219.52
 100.00 8 9 55 2661.58 -29.84 71.65 58.89 88.16 8 54 16 2061.6 -29.78 62.84
 100.00 21 51 55 4866.45 26.44 208.63 51.15 75.52 23 13 2 4266.4 24.19 200.55
 110.00 9 26 15 2422.68 -34.17 53.64 59.02 88.99 10 6 38 1822.7 -33.93 44.40
 110.00 22 52 4 4678.11 30.62 193.04 49.86 74.01 24 10 2 4078.1 28.12 184.74

DIFFERENTIAL CORRECTIONS

TDE .8800 TRA-2.2085 TC3 -.1616 BAU .3638
 RDE -.9669 RRA -.5554 RC3 .0172 FAU .01252
 FDE -.4462 FRA .9220 FC3 -.0647 BSP 3487
 BDE 1.3074 BRA 2.2773 BC3 .1625 FSP -101

MID-COURSE EXECUTION ACCURACY

SGT 1139.5 SGR 496.6 SG3 42.0
 RRT .1044 RRF -.1033 RTF -.7447
 SGB 1243.1 R23 -.0077 R13 -.7451
 SGI 1141.0 SG2 493.3 THA 3.20

ORBIT DETERMINATION ACCURACY

ST 489.3 SR 434.4 SS 451.3
 CRT -.6810 CRS -.7445 CST .9948
 LSA 746.0 MSA 273.8 SSA 15.6
 EL1 600.8 EL2 259.0 ALF 139.96

LAUNCH DATE APR 26 1967

FLIGHT TIME 88.00

ARRIVAL DATE JUL 23 1967

HELIOCENTRIC CONIC

DISTANCE 177.527

RL 150.52 LAL -.00 LOL 215.09 VL 20.525 GAL 20.55 AZL 91.30 MCA 60.81 SMA 98.88 ECC .60196 INC 1.2994 V1 29.601
 RP 108.81 LAP -1.13 LOP 275.89 VP 33.125 GAP -36.62 A7P 90.63 TAL 164.87 TAP 225.69 RCA 39.36 APO 158.41 V2 34.827
 RC 68.060 GL -2.02 GP 3.16 ZAL 57.01 ZAP 22.77 ETS 190.09 ZAE 138.45 ETE 171.07 ZAC 142.88 ETC 31.26 CLP 22.56

PLANETOCENTRIC CONIC

C3 153.548 VML 12.391 DLA 6.66 RAL 159.00 RAD 6570.7 VEL 16.579 PTH 2.88 VMP 21.580 DPA 25.82 RAP 121.62 ECC 3.5270
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 53 41 2897.22 -28.31 88.93 58.05 89.25 7 41 58 2297.2 -28.11 80.27
 90.00 20 31 38 5125.21 25.02 228.05 51.53 76.28 21 57 3 4525.2 22.89 220.03
 100.00 8 18 12 2624.62 -29.89 68.90 58.07 89.60 9 1 57 2024.6 -29.63 60.11
 100.00 21 49 48 4873.05 26.55 209.09 51.11 75.74 23 11 1 4273.0 24.35 200.99
 110.00 9 33 42 2388.30 -34.18 50.95 58.06 90.58 10 13 31 1788.3 -33.72 41.74
 110.00 22 50 46 4682.12 30.70 193.33 49.84 74.16 24 8 49 4082.1 28.22 185.01

DIFFERENTIAL CORRECTIONS

TDE .8797 TRA-2.2296 TC3 -.1708 BAU .3531
 RDE -.9228 RRA -.5422 RC3 .0200 FAU .01266
 FDE -.4655 FRA .9524 FC3 -.0714 BSP 3487
 BDE 1.2749 BRA 2.2946 BC3 .1720 FSP -107

MID-COURSE EXECUTION ACCURACY

SGT 1192.5 SGR 498.2 SG3 45.2
 RRT .1135 RRF -.1106 RTF -.7573
 SGB 1292.4 R23 -.0069 R13 -.7577
 SGI 1194.1 SG2 494.3 THA 3.28

ORBIT DETERMINATION ACCURACY

ST 512.4 SR 433.3 SS 471.9
 CRT -.6755 CRS -.7455 CST .9940
 LSA 771.8 MSA 277.6 SSA 15.8
 EL1 616.2 EL2 265.7 ALF 142.00

LAUNCH DATE APR 26 1967

FLIGHT TIME 90.00

ARRIVAL DATE JUL 25 1967

HELIOCENTRIC CONIC

DISTANCE 183.720

RL 150.52 LAL -.00 LOL 215.09 VL 20.999 GAL 19.70 AZL 91.46 MCA 63.98 SMA 100.36 ECC .57887 INC 1.4572 V1 29.601
 RP 108.83 LAP -1.31 LOP 279.06 VP 33.414 GAP -35.08 A7P 90.64 TAL 164.09 TAP 228.06 RCA 42.26 APO 158.45 V2 34.820
 RC 65.936 GL -2.43 GP 3.28 ZAL 56.09 ZAP 21.45 ETS 190.85 ZAE 139.17 ETE 170.09 ZAC 141.22 ETC 30.13 CLP 21.21

PLANETOCENTRIC CONIC

C3 140.766 VML 11.864 DLA 5.93 RAL 159.71 RAD 6570.5 VEL 16.189 PTH 2.84 VMP 20.769 DPA 25.63 RAP 123.62 ECC 3.3167
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 2 8 2858.28 -28.31 86.08 57.16 90.68 7 49 46 2258.3 -27.92 77.44
 90.00 20 28 53 5132.50 25.13 228.56 51.38 76.51 21 54 26 4532.5 23.03 220.52
 100.00 8 26 17 2586.85 -29.87 66.09 57.13 91.08 9 9 24 1986.8 -29.41 57.32
 100.00 21 47 25 4879.16 26.66 209.51 50.96 75.94 23 8 44 4279.2 24.46 201.40
 110.00 9 40 58 2353.12 -34.12 48.20 56.99 92.20 10 20 11 1753.1 -33.44 39.03
 110.00 22 49 14 4685.65 30.76 193.59 49.72 74.30 24 7 19 4085.7 28.30 185.25

DIFFERENTIAL CORRECTIONS

TDE .8850 TRA-2.2433 TC3 -.1785 BAU .3387
 RDE -.8790 RRA -.5283 RC3 .0232 FAU .01286
 FDE -.4863 FRA .9828 FC3 -.0791 BSP 3641
 BDE 1.2474 BRA 2.3047 BC3 .1800 FSP -117

MID-COURSE EXECUTION ACCURACY

SGT 1244.3 SGR 499.0 SG3 48.7
 RRT .1202 RRF -.1175 RTF -.7704
 SGB 1340.6 R23 -.0076 R13 -.7708
 SGI 1246.0 SG2 494.7 THA 3.28

ORBIT DETERMINATION ACCURACY

ST 538.1 SR 431.4 SS 493.6
 CRT -.6733 CRS -.7471 CST .9935
 LSA 800.5 MSA 280.0 SSA 16.0
 EL1 634.4 EL2 270.6 ALF 144.16

LAUNCH DATE APR 26 1967

FLIGHT TIME 92.00

ARRIVAL DATE JUL 27 1967

HELIOCENTRIC CONIC

DISTANCE 189.981

RL 150.52 LAL -.00 LOL 215.09 VL 21.446 GAL 18.88 AZL 91.61 MCA 67.14 SMA 101.82 ECC .55641 INC 1.6065 V1 29.601
 RP 108.85 LAP -1.48 LOP 282.22 VP 33.689 GAP -33.60 A7P 90.62 TAL 163.32 TAP 230.46 RCA 45.16 APO 158.47 V2 34.813
 RC 63.861 GL -2.87 GP 3.41 ZAL 55.22 ZAP 20.15 ETS 191.74 ZAE 139.98 ETE 169.01 ZAC 139.54 ETC 29.08 CLP 19.87

PLANETOCENTRIC CONIC

C3 129.071 VML 11.361 DLA 5.19 RAL 160.37 RAD 6570.4 VEL 15.824 PTH 2.80 VMP 19.982 DPA 25.42 RAP 125.63 ECC 3.1242
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 10 23 2818.51 -28.24 83.18 56.15 92.14 7 57 21 2218.5 -27.65 74.56
 90.00 20 25 53 5139.37 25.24 229.03 51.13 76.72 21 51 32 4539.4 23.17 220.98
 100.00 8 34 10 2548.25 -29.79 63.23 56.08 92.58 9 16 38 1948.3 -29.11 54.49
 100.00 21 44 47 4884.86 26.75 209.91 50.72 76.13 23 6 12 4284.9 24.58 201.79
 110.00 9 48 1 2317.11 -33.99 45.40 55.80 93.86 10 26 39 1717.1 -33.08 36.28
 110.00 22 47 25 4688.77 30.82 193.81 49.50 74.42 24 5 34 4088.8 28.37 185.46

DIFFERENTIAL CORRECTIONS

TDE .8900 TRA-2.2558 TC3 -.1859 BAU .3240
 RDE -.8357 RRA -.5141 RC3 .0269 FAU .01308
 FDE -.5080 FRA 1.0141 FC3 -.0877 BSP 3800
 BDE 1.2209 BRA 2.3136 BC3 .1878 FSP -127

MID-COURSE EXECUTION ACCURACY

SGT 1298.0 SGR 499.1 SG3 52.5
 RRT .1272 RRF -.1249 RTF -.7830
 SGB 1390.6 R23 -.0085 R13 -.7834
 SGI 1299.8 SG2 494.4 THA 3.28

ORBIT DETERMINATION ACCURACY

ST 564.9 SR 428.7 SS 516.2
 CRT -.6709 CRS -.7485 CST .9930
 LSA 830.5 MSA 281.8 SSA 16.1
 EL1 653.7 EL2 274.7 ALF 146.31

LAUNCH DATE APR 26 1967

FLIGHT TIME 94.00

ARRIVAL DATE JUL 29 1967

HELIOCENTRIC CONIC

DISTANCE 196.305

RL 150.52 LAL -1.00 LOL 215.09 VL 21.865 GAL 18.10 AZL 91.75 MCA 70.30 SMA 103.26 ECC .53462 INC 1.7491 V1 29.601
 RP 108.87 LAP -1.65 LOP 285.38 VP 33.952 GAP -32.18 A2P 90.59 TAL 162.57 TAP 232.88 RCA 48.05 APO 158.46 V2 34.807
 RC 61.839 GL -3.34 GP 3.56 ZAL 54.40 ZAP 18.86 ETS 192.79 ZAE 140.88 ETE 167.81 ZAC 137.84 ETC 28.12 CLP 18.53

PLANETOCENTRIC CONIC

C3 118.371 VML 10.880 DLA 4.44 RAL 160.97 RAD 6570.2 VEL 15.482 PTH 2.76 VMP 19.219 DPA 25.20 RAP 127.65 ECC 2.9481
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 18 27 2777.88 -28.10 80.21 55.04 93.62 8 4 45 2177.9 -27.31 71.64
 90.00 20 22 36 5145.91 25.34 229.48 50.78 76.93 21 48 22 4545.9 23.29 221.41
 100.00 8 41 53 2508.79 -29.63 60.30 54.92 94.12 9 23 41 1908.8 -28.75 51.61
 100.00 21 41 51 4890.23 26.84 210.29 50.39 76.31 23 3 22 4290.2 24.69 202.15
 110.00 9 54 54 2280.24 -33.79 42.54 54.51 95.54 10 32 54 1680.2 -32.65 33.49
 110.00 22 45 19 4691.55 30.87 194.01 49.19 74.53 24 3 31 4091.5 28.44 185.65

DIFFERENTIAL CORRECTIONS

TDE .8969 TRA-2.2643 TC3 -.1921 BAU .3079
 RDE -.7930 RRA -.4995 RC3 .0310 FAU .01335
 FDE -.5311 FRA 1.0459 FC3 -.0976 BSP .0024
 BDE 1.1972 BRA 2.3187 BC3 .1946 FSP .139

MID-COURSE EXECUTION ACCURACY

SGT 1352.1 SGR 498.5 SG3 56.6
 RRT .1338 RRF -.1326 RTF -.7954
 SGB 1441.1 R23 -.0100 R13 -.7958
 SG1 1354.0 SG2 493.4 TMA 3.26

ORBIT DETERMINATION ACCURACY

ST 593.3 SR 425.0 SS 540.0
 CRT -.6696 CRS -.7501 CST .9926
 LSA 862.6 MSA 282.6 SSA 16.2
 EL1 675.0 EL2 277.4 ALF 148.45

LAUNCH DATE APR 26 1967

FLIGHT TIME 96.00

ARRIVAL DATE JUL 31 1967

HELIOCENTRIC CONIC

DISTANCE 202.687

RL 150.52 LAL -1.00 LOL 215.09 VL 22.260 GAL 17.35 AZL 91.89 MCA 73.47 SMA 104.67 ECC .51353 INC 1.8860 V1 29.601
 RP 108.89 LAP -1.81 LOP 288.54 VP 34.202 GAP -30.82 A2P 90.54 TAL 161.85 TAP 235.32 RCA 50.92 APO 158.43 V2 34.802
 RC 59.876 GL -3.85 GP 3.72 ZAL 53.64 ZAP 17.59 ETS 194.04 ZAE 141.87 ETE 166.47 ZAC 136.11 ETC 27.23 CLP 17.21

PLANETOCENTRIC CONIC

C3 108.584 VML 10.420 DLA 3.68 RAL 161.51 RAD 6570.1 VEL 15.163 PTH 2.72 VMP 18.479 DPA 24.96 RAP 129.66 ECC 2.7870
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 26 21 2736.36 -27.89 77.19 53.83 95.11 8 11 58 2136.4 -26.89 68.67
 90.00 20 19 1 5152.22 25.44 229.92 50.35 77.13 21 44 53 4552.2 23.42 221.84
 100.00 8 49 25 2468.44 -29.40 57.33 53.67 95.67 9 30 34 1868.4 -28.30 48.70
 100.00 21 38 38 4895.37 26.92 210.65 49.96 76.48 23 0 14 4295.4 24.79 202.49
 110.00 10 1 36 2242.51 -33.50 39.63 53.13 97.24 10 38 59 1642.5 -32.14 30.67
 110.00 22 42 56 4694.07 30.91 194.19 48.78 74.63 24 1 10 4094.1 28.50 185.83

DIFFERENTIAL CORRECTIONS

TDE .9033 TRA-2.2714 TC3 -.1978 BAU .2917
 RDE -.7508 RRA -.4848 RC3 .0355 FAU .01364
 FDE -.5553 FRA 1.0788 FC3 -.1088 BSP .4251
 BDE 1.1746 BRA 2.3226 BC3 .2010 FSP .151

MID-COURSE EXECUTION ACCURACY

SGT 1408.2 SGR 497.2 SG3 61.0
 RRT .1410 RRF -.1411 RTF -.8072
 SGB 1493.4 R23 -.0116 R13 -.8076
 SG1 1410.1 SG2 491.6 TMA 3.24

ORBIT DETERMINATION ACCURACY

ST 622.7 SR 420.5 SS 564.7
 CRT -.6682 CRS -.7514 CST .9922
 LSA 896.3 MSA 282.7 SSA 16.4
 EL1 697.6 EL2 279.3 ALF 150.54

LAUNCH DATE APR 26 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 2 1967

HELIOCENTRIC CONIC

DISTANCE 209.122

RL 150.52 LAL -1.00 LOL 215.09 VL 22.630 GAL 16.63 AZL 92.02 MCA 76.63 SMA 106.07 ECC .49315 INC 2.0186 V1 29.601
 RP 108.90 LAP -1.96 LOP 291.71 VP 34.439 GAP -29.51 A2P 90.47 TAL 161.16 TAP 237.78 RCA 53.76 APO 158.37 V2 34.797
 RC 57.979 GL -4.39 GP 3.89 ZAL 52.93 ZAP 16.34 ETS 195.54 ZAE 142.96 ETE 164.97 ZAC 134.37 ETC 26.41 CLP 15.89

PLANETOCENTRIC CONIC

C3 99.636 VML 9.982 DLA 2.89 RAL 161.99 RAD 6569.9 VEL 14.865 PTH 2.68 VMP 17.761 DPA 24.72 RAP 131.68 ECC 2.6398
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 34 7 2693.91 -27.59 74.12 52.53 96.63 8 19 1 2093.9 -26.39 65.66
 90.00 20 15 6 5158.43 25.53 230.35 49.82 77.32 21 41 4 4558.4 23.53 222.25
 100.00 8 56 48 2427.18 -29.08 54.30 52.32 97.23 9 37 16 1827.2 -27.78 45.74
 100.00 21 35 6 4900.38 27.00 211.00 49.44 76.65 22 56 46 4300.4 24.89 202.83
 110.00 10 8 9 2203.89 -33.13 36.68 51.65 98.95 10 44 53 1603.9 -31.54 27.81
 110.00 22 40 14 4696.44 30.96 194.36 48.29 74.72 23 58 31 4096.4 28.55 185.99

DIFFERENTIAL CORRECTIONS

TDE .9065 TRA-2.2799 TC3 -.2039 BAU .2770
 RDE -.7093 RRA -.4700 RC3 .0406 FAU .01395
 FDE -.5804 FRA 1.1132 FC3 -.1212 BSP .4412
 BDE 1.1510 BRA 2.3278 BC3 .2079 FSP .164

MID-COURSE EXECUTION ACCURACY

SGT 1467.5 SGR 495.3 SG3 65.7
 RRT .1501 RRF -.1507 RTF -.8179
 SGB 1548.8 R23 -.0128 R13 -.8183
 SG1 1469.6 SG2 489.0 TMA 3.26

ORBIT DETERMINATION ACCURACY

ST 652.2 SR 415.1 SS 590.2
 CRT -.6648 CRS -.7521 CST .9916
 LSA 930.5 MSA 282.7 SSA 16.5
 EL1 720.4 EL2 280.8 ALF 152.55

LAUNCH DATE APR 26 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 4 1967

HELIOCENTRIC CONIC

DISTANCE 215.605

RL 150.52 LAL -1.00 LOL 215.09 VL 22.979 GAL 15.94 AZL 92.15 MCA 79.79 SMA 107.43 ECC .47350 INC 2.1476 V1 29.601
 RP 108.92 LAP -2.11 LOP 294.87 VP 34.665 GAP -28.25 A2P 90.38 TAL 160.49 TAP 240.28 RCA 56.56 APO 158.30 V2 34.793
 RC 56.154 GL -4.97 GP 4.08 ZAL 52.27 ZAP 15.12 ETS 197.35 ZAE 144.15 ETE 163.28 ZAC 132.61 ETC 25.65 CLP 14.57

PLANETOCENTRIC CONIC

C3 91.458 VML 9.563 DLA 2.10 RAL 162.41 RAD 6569.8 VEL 14.588 PTH 2.64 VMP 17.065 DPA 24.47 RAP 133.70 ECC 2.5052
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 41 44 2650.50 -27.21 71.00 51.14 98.15 8 25 55 2050.5 -25.81 62.62
 90.00 20 10 50 5164.64 25.63 230.78 49.21 77.52 21 36 55 4564.6 23.65 222.67
 100.00 9 4 3 2384.98 -28.68 51.23 50.89 98.80 9 43 48 1785.0 -27.17 42.75
 100.00 21 31 12 4905.39 27.08 211.35 48.84 76.82 22 52 58 4305.4 24.99 203.17
 110.00 10 14 32 2164.37 -32.67 33.69 50.10 100.66 10 50 37 1564.4 -30.86 24.94
 110.00 22 37 13 4698.77 31.00 194.53 47.71 74.81 23 55 32 4098.8 28.60 186.15

DIFFERENTIAL CORRECTIONS

TDE .9119 TRA-2.2839 TC3 -.2082 BAU .2608
 RDE -.6684 RRA -.4552 RC3 .0463 FAU .01430
 FDE -.6074 FRA 1.1485 FC3 -.1354 BSP .4641
 BDE 1.1306 BRA 2.3288 BC3 .2133 FSP .179

MID-COURSE EXECUTION ACCURACY

SGT 1527.0 SGR 492.6 SG3 70.9
 RRT .1591 RRF -.1611 RTF -.8286
 SGB 1604.5 R23 -.0147 R13 -.8290
 SG1 1529.3 SG2 485.6 TMA 3.27

ORBIT DETERMINATION ACCURACY

ST 683.6 SR 408.7 SS 617.1
 CRT -.6627 CRS -.7529 CST .9911
 LSA 967.3 MSA 281.6 SSA 16.6
 EL1 745.4 EL2 280.7 ALF 154.52

LAUNCH DATE APR 26 1967 FLIGHT TIME 102.00 ARRIVAL DATE AUG 6 1967

Heliocentric Conic
 RL 150.52 LAL -.00 LOL 215.09 VL 23.306 GAL 15.28 AZL 92.27 HCA 82.95 SMA 108.76 ECC .45459 INC 2.2740 V1 29.601
 RP 108.93 LAP -2.26 LOP 298.03 VP 34.880 GAP -27.04 ATP 90.28 TAL 159.85 TAP 242.79 RCA 59.32 APO 158.21 V2 34.790
 RC 54.407 GL -5.59 GP 4.28 ZAL 51.67 ZAP 13.91 ETS 199.55 ZAE 145.43 ETE 161.36 ZAC 130.84 ETC 24.94 CLP 13.25

Distance 222.131

Planetocentric Conic
 C3 83.988 VHL 9.165 DLA 1.28 RAL 162.77 RAD 6569.6 VEL 14.330 PTH 2.61 VMP 16.390 DPA 24.21 RAP 135.71 ECC 2.3822
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 49 15 2606.13 -26.75 67.84 49.67 99.67 8 32 41 2006.1 -25.14 59.54
 90.00 20 6 12 5171.01 25.72 231.23 48.52 77.73 21 32 23 4571.0 23.77 223.10
 100.00 9 11 11 2341.84 -28.19 48.11 49.38 100.37 9 50 13 1741.8 -26.47 39.74
 100.00 21 26 57 4910.54 27.15 211.71 48.16 77.00 22 48 48 4310.5 25.09 203.52
 110.00 10 20 48 2123.96 -32.12 30.66 48.47 102.37 10 56 11 1524.0 -30.09 22.04
 110.00 22 33 50 4701.17 31.04 194.71 47.05 74.91 23 52 11 4101.2 28.66 186.32

Differential Corrections
 TOE .9171 TRA-2.2862 TC3 -.2114 BAU .2447
 RDE -.6281 RRA -.4406 RC3 .0526 FAU .01470
 FDE -.6361 FRA 1.1851 FC3 -.1515 BSP 4868
 BDE 1.1115 BRA 2.3283 BC3 .2179 FSP -195

Mid-Course Execution Accuracy
 SGT 1588.3 SGR 489.3 SG3 76.5
 RRT .1691 RRF -.1727 RTF -.8387
 SGB 1662.0 R23 -.0168 R13 -.8391
 SGI 1590.7 SG2 481.5 TMA 3.28

Orbit Determination Accuracy
 ST 716.1 SR 401.3 SS 645.3
 CRT -.6602 CRS -.7533 CST .9906
 LSA 1005.8 MSA 279.9 SSA 16.7
 EL1 771.8 EL2 279.7 ALF 156.42

LAUNCH DATE APR 26 1967 FLIGHT TIME 104.00 ARRIVAL DATE AUG 8 1967

Heliocentric Conic
 RL 150.52 LAL -.00 LOL 215.09 VL 23.613 GAL 14.65 AZL 92.40 HCA 86.11 SMA 110.06 ECC .43642 INC 2.3988 V1 29.601
 RP 108.93 LAP -2.39 LOP 301.19 VP 35.083 GAP -25.87 ATP 90.16 TAL 159.23 TAP 245.34 RCA 62.03 APO 158.10 V2 34.787
 RC 52.748 GL -6.23 GP 4.51 ZAL 51.13 ZAP 12.75 ETS 202.27 ZAE 146.79 ETE 159.16 ZAC 129.05 ETC 24.29 CLP 11.94

Distance 228.696

Planetocentric Conic
 C3 77.171 VHL 8.785 DLA .44 RAL 163.07 RAD 6569.5 VEL 14.090 PTH 2.57 VMP 15.736 DPA 23.95 RAP 137.72 ECC 2.2700
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 56 40 2560.75 -26.19 64.63 48.14 101.18 8 39 20 1960.8 -24.38 56.43
 90.00 20 1 10 5177.70 25.82 231.69 47.75 77.94 21 27 28 4577.7 23.89 223.55
 100.00 9 18 12 2297.71 -27.61 44.96 47.81 101.93 9 56 30 1697.7 -25.69 36.69
 100.00 21 22 18 4915.97 27.24 212.09 47.40 77.18 22 44 14 4316.0 25.20 203.89
 110.00 10 26 55 2082.64 -31.48 27.61 46.78 104.07 11 1 38 1482.6 -29.22 19.13
 110.00 22 30 5 4703.81 31.09 194.90 46.31 75.01 23 48 29 4103.8 28.72 186.50

Differential Corrections
 TOE .9222 TRA-2.2864 TC3 -.2134 BAU .2286
 RDE -.5884 RRA -.4263 RC3 .0596 FAU .01513
 FDE -.6667 FRA 1.2233 FC3 -.1697 BSP 5104
 BDE 1.0939 BRA 2.3258 BC3 .2216 FSP -213

Mid-Course Execution Accuracy
 SGT 1651.1 SGR 485.4 SG3 82.6
 RRT .1804 RRF -.1858 RTF -.8483
 SGB 1721.0 R23 -.0192 R13 -.8488
 SGI 1653.7 SG2 476.7 TMA 3.31

Orbit Determination Accuracy
 ST 749.7 SR 392.7 SS 675.0
 CRT -.6573 CRS -.7533 CST .9902
 LSA 1046.2 MSA 277.5 SSA 16.8
 EL1 799.6 EL2 277.5 ALF 158.25

LAUNCH DATE APR 26 1967 FLIGHT TIME 106.00 ARRIVAL DATE AUG 10 1967

Heliocentric Conic
 RL 150.52 LAL -.00 LOL 215.09 VL 23.901 GAL 14.04 AZL 92.52 HCA 89.27 SMA 111.33 ECC .41900 INC 2.5225 V1 29.601
 RP 108.94 LAP -2.52 LOP 304.35 VP 35.276 GAP -24.74 ATP 90.03 TAL 158.65 TAP 247.92 RCA 64.68 APO 157.97 V2 34.786
 RC 51.183 GL -6.96 GP 4.76 ZAL 50.66 ZAP 11.62 ETS 205.65 ZAE 148.24 ETE 156.64 ZAC 127.26 ETC 23.69 CLP 10.62

Distance 235.296

Planetocentric Conic
 C3 70.955 VHL 8.423 DLA -.43 RAL 163.30 RAD 6569.4 VEL 13.867 PTH 2.53 VMP 15.102 DPA 23.69 RAP 139.73 ECC 2.1677
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 4 0 2514.35 -25.53 61.39 46.54 102.68 8 45 54 1914.4 -23.53 53.29
 90.00 19 55 41 5184.90 25.92 232.19 46.91 78.17 21 22 6 4584.9 24.03 224.04
 100.00 9 25 9 2252.61 -26.94 41.78 46.18 103.47 10 2 41 1652.6 -24.82 33.62
 100.00 21 17 14 4921.87 27.33 212.51 46.57 77.39 22 39 16 4321.9 25.31 204.29
 110.00 10 32 56 2040.41 -30.74 24.54 45.05 105.75 11 6 56 1440.4 -28.27 16.21
 110.00 22 25 56 4706.83 31.14 195.12 45.50 75.13 23 44 23 4106.8 28.79 186.71

Differential Corrections
 TOE .9274 TRA-2.2845 TC3 -.2137 BAU .2126
 RDE -.5493 RRA -.4124 RC3 .0674 FAU .01561
 FDE -.6996 FRA 1.2632 FC3 -.1904 BSP 5348
 BDE 1.0779 BRA 2.3214 BC3 .2241 FSP -233

Mid-Course Execution Accuracy
 SGT 1715.3 SGR 480.8 SG3 89.3
 RRT .1932 RRF -.2006 RTF -.8475
 SGB 1781.4 R23 -.0218 R13 -.8580
 SGI 1718.0 SG2 471.0 TMA 3.35

Orbit Determination Accuracy
 ST 784.5 SR 383.0 SS 706.3
 CRT -.6540 CRS -.7528 CST .9897
 LSA 1088.7 MSA 274.5 SSA 16.9
 EL1 828.8 EL2 274.3 ALF 160.01

LAUNCH DATE APR 26 1967 FLIGHT TIME 108.00 ARRIVAL DATE AUG 12 1967

Heliocentric Conic
 RL 150.52 LAL -.00 LOL 215.09 VL 24.171 GAL 13.46 AZL 92.65 HCA 92.43 SMA 112.55 ECC .40231 INC 2.6461 V1 29.601
 RP 108.94 LAP -2.64 LOP 307.52 VP 35.458 GAP -23.66 ATP 89.89 TAL 158.10 TAP 250.53 RCA 67.27 APO 157.83 V2 34.784
 RC 49.723 GL -7.72 GP 5.03 ZAL 50.24 ZAP 10.56 ETS 209.88 ZAE 149.74 ETE 153.71 ZAC 125.45 ETC 23.13 CLP 9.29

Distance 241.926

Planetocentric Conic
 C3 65.293 VHL 8.080 DLA -1.32 RAL 163.47 RAD 6569.2 VEL 13.662 PTH 2.50 VMP 14.487 DPA 23.44 RAP 141.73 ECC 2.0746
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 11 17 2466.90 -24.78 58.12 44.90 104.15 8 52 24 1866.9 -22.60 50.13
 90.00 19 49 45 5192.79 26.03 232.75 46.00 78.43 21 16 17 4592.8 24.17 224.57
 100.00 9 32 1 2206.49 -26.17 38.57 44.50 104.99 10 8 47 1606.5 -23.85 30.54
 100.00 21 11 42 4928.43 27.42 212.97 45.67 77.61 22 33 50 4328.4 25.44 204.73
 110.00 10 38 51 1997.28 -29.90 21.46 43.27 107.40 11 12 8 1397.3 -27.23 13.29
 110.00 22 21 21 4710.41 31.20 195.38 44.63 75.27 23 39 52 4110.4 28.87 186.96

Differential Corrections
 TOE .9326 TRA-2.2810 TC3 -.2126 BAU .1970
 RDE -.5108 RRA -.3991 RC3 .0759 FAU .01613
 FDE -.7351 FRA 1.3050 FC3 -.2139 BSP 5584
 BDE 1.0633 BRA 2.3156 BC3 .2257 FSP -254

Mid-Course Execution Accuracy
 SGT 1781.2 SGR 475.8 SG3 96.5
 RRT .2080 RRF -.2175 RTF -.8661
 SGB 1843.6 R23 -.0248 R13 -.8666
 SGI 1784.1 SG2 464.6 TMA 3.41

Orbit Determination Accuracy
 ST 820.3 SR 372.0 SS 739.4
 CRT -.6499 CRS -.7517 CST .9892
 LSA 1133.3 MSA 270.8 SSA 16.9
 EL1 859.3 EL2 269.9 ALF 161.71

LAUNCH DATE APR 26 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 248.582

RL 150.52 LAL -.00 LOL 215.09 VL 24.424 GAL 12.91 AZL 92.77 MCA 95.59 SMA 113.74 ECC .38636 INC 2.7703 V1 29.601
 RP 108.94 LAP -2.76 LOP 310.68 VP 35.631 GAP -22.61 AZP 89.73 TAL 157.59 TAP 253.17 RCA 69.79 APO 157.68 V2 34.784
 RC 48.377 GL -8.53 GP 5.34 ZAL 49.89 ZAP 9.58 ETS 215.21 ZAE 151.28 ETE 150.31 ZAC 123.64 ETC 22.61 CLP 7.96

PLANETOCENTRIC CONIC

C3 60.142 VHL 7.755 OLA -2.25 RAL 163.57 RAD 6569.1 VEL 13.472 PTH 2.46 VHP 13.892 DPA 23.20 RAP 143.73 ECC 1.9898
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 18 33 2418.38 -23.94 54.82 43.21 105.60 8 58 51 1818.4 -21.56 46.95
 90.00 19 43 17 5201.60 26.14 233.36 45.04 78.72 21 9 59 4601.6 24.32 225.17
 100.00 9 38 51 2159.35 -25.30 35.34 42.78 106.48 10 14 50 1559.4 -22.79 27.44
 100.00 21 5 41 4935.85 27.53 213.50 44.72 77.87 22 27 57 4335.9 25.58 205.24
 110.00 10 44 41 1953.23 -28.96 18.38 41.46 109.00 11 17 15 1353.2 -26.10 10.37
 110.00 22 16 19 4714.74 31.28 195.69 43.70 75.45 23 34 54 4114.7 28.96 187.26

DIFFERENTIAL CORRECTIONS

TDE .9380 TRA-2.2752 TC3 -.2093 BAU .1817
 RDE -.4728 RRA -.3864 RC3 -.0853 FAU .01670
 FDE -.7736 FRA 1.3489 FC3 -.2404 BSP .5827
 BDE 1.0504 BRA 2.3077 BC3 .2260 FSP -.277

MID-COURSE EXECUTION ACCURACY

SGT 1848.1 SGR 470.3 SG3 104.4
 RRT .2250 RRF -.2369 RTF -.8743
 SGB 1907.0 R23 -.0281 R13 -.8749
 SGI 1851.3 SG2 457.4 THA 3.49

ORBIT DETERMINATION ACCURACY

ST 857.3 SR 359.7 SS 774.4
 CRT -.6449 CRS -.7496 CST .9888
 LSA 1180.2 MSA 266.6 SSA 17.0
 EL1 891.3 EL2 264.4 ALF 163.35

LAUNCH DATE APR 26 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 255.261

RL 150.52 LAL -.00 LOL 215.09 VL 24.661 GAL 12.37 AZL 92.90 MCA 98.74 SMA 114.88 ECC .37114 INC 2.8958 V1 29.601
 RP 108.94 LAP -2.86 LOP 313.84 VP 35.794 GAP -21.59 AZP 89.56 TAL 157.11 TAP 255.85 RCA 72.25 APO 157.52 V2 34.784
 RC 47.155 GL -9.40 GP 5.67 ZAL 49.61 ZAP 8.71 ETS 221.90 ZAE 152.82 ETE 146.33 ZAC 121.83 ETC 22.13 CLP 6.62

PLANETOCENTRIC CONIC

C3 55.462 VHL 7.447 OLA -3.20 RAL 163.60 RAD 6569.0 VEL 13.297 PTH 2.43 VHP 13.315 DPA 22.97 RAP 145.72 ECC 1.9128
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 25 49 2368.74 -22.99 51.49 41.50 107.01 9 5 17 1768.7 -20.44 43.74
 90.00 19 36 16 5211.56 26.28 234.07 44.02 79.04 21 3 8 4611.6 24.50 225.85
 100.00 9 45 40 2111.17 -24.32 32.09 41.04 107.93 10 20 51 1511.2 -21.64 24.32
 100.00 20 59 6 4944.37 27.65 214.10 43.71 78.16 22 21 31 4344.4 25.74 205.82
 110.00 10 50 28 1908.27 -27.93 15.29 39.64 110.56 11 22 17 1308.3 -24.87 7.45
 110.00 22 10 47 4720.03 31.37 196.08 42.72 75.66 23 29 27 4120.0 29.08 187.62

DIFFERENTIAL CORRECTIONS

TDE .9440 TRA-2.2670 TC3 -.2036 BAU .1668
 RDE -.4353 RRA -.3746 RC3 .0957 FAU .01733
 FDE -.8156 FRA 1.3949 FC3 -.2706 BSP .6074
 BDE 1.0395 BRA 2.2977 BC3 .2250 FSP -.303

MID-COURSE EXECUTION ACCURACY

SGT 1916.0 SGR 464.5 SG3 113.0
 RRT .2446 RRF -.2593 RTF -.8821
 SGB 1971.5 R23 -.0318 R13 -.8827
 SGI 1919.5 SG2 449.5 THA 3.59

ORBIT DETERMINATION ACCURACY

ST 895.7 SR 345.9 SS 811.7
 CRT -.6387 CRS -.7463 CST .9884
 LSA 1229.6 MSA 261.7 SSA 17.0
 EL1 924.9 EL2 257.8 ALF 164.95

LAUNCH DATE APR 26 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 261.959

RL 150.52 LAL -.00 LOL 215.09 VL 24.883 GAL 11.87 AZL 93.02 MCA 101.90 SMA 115.99 ECC .35664 INC 3.0235 V1 29.601
 RP 108.94 LAP -2.96 LOP 317.01 VP 35.948 GAP -20.61 AZP 89.38 TAL 156.66 TAP 258.56 RCA 74.62 APO 157.35 V2 34.785
 RC 46.068 GL -10.34 GP 6.05 ZAL 49.41 ZAP 8.02 ETS 230.18 ZAE 154.32 ETE 141.67 ZAC 120.01 ETC 21.68 CLP 5.27

PLANETOCENTRIC CONIC

C3 51.219 VHL 7.157 OLA -4.20 RAL 163.56 RAD 6568.9 VEL 13.137 PTH 2.40 VHP 12.756 DPA 22.76 RAP 147.70 ECC 1.8429
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 33 7 2317.95 -21.94 48.14 39.76 108.37 9 11 45 1717.9 -19.22 40.51
 90.00 19 28 39 5222.95 26.42 234.87 42.96 79.42 20 55 42 4622.9 24.69 226.62
 100.00 9 52 29 2061.90 -23.25 28.82 39.28 109.33 10 26 51 1461.9 -20.40 21.19
 100.00 20 51 57 4954.23 27.79 214.81 42.66 78.51 22 14 32 4354.2 25.92 206.50
 110.00 10 56 13 1862.39 -26.79 12.21 37.80 112.07 11 27 15 1262.4 -23.56 4.53
 110.00 22 4 43 4726.50 31.48 196.55 41.70 75.92 23 23 30 4126.5 29.22 188.07

DIFFERENTIAL CORRECTIONS

TDE .9506 TRA-2.2570 TC3 -.1956 BAU .1527
 RDE -.3981 RRA -.3637 RC3 .1070 FAU .01802
 FDE -.8616 FRA 1.4436 FC3 -.3046 BSP .6317
 BDE 1.0306 BRA 2.2861 BC3 .2230 FSP -.331

MID-COURSE EXECUTION ACCURACY

SGT 1985.0 SGR 458.6 SG3 122.5
 RRT .2676 RRF -.2851 RTF -.8895
 SGB 2037.2 R23 -.0361 R13 -.8901
 SGI 1988.9 SG2 441.0 THA 3.72

ORBIT DETERMINATION ACCURACY

ST 935.2 SR 330.5 SS 851.4
 CRT -.6307 CRS -.7414 CST .9879
 LSA 1281.7 MSA 256.3 SSA 17.1
 EL1 959.9 EL2 249.9 ALF 166.50

LAUNCH DATE APR 26 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 268.673

RL 150.52 LAL -.00 LOL 215.09 VL 25.090 GAL 11.38 AZL 93.15 MCA 105.06 SMA 117.05 ECC .34284 INC 3.1541 V1 29.601
 RP 108.93 LAP -3.05 LOP 320.17 VP 36.094 GAP -19.67 AZP 89.18 TAL 156.25 TAP 261.31 RCA 76.92 APO 157.18 V2 34.787
 RC 45.125 GL -11.34 GP 6.47 ZAL 49.28 ZAP 7.55 ETS 240.07 ZAE 155.72 ETE 136.24 ZAC 118.19 ETC 21.26 CLP 3.91

PLANETOCENTRIC CONIC

C3 47.378 VHL 6.883 OLA -5.24 RAL 163.45 RAD 6568.8 VEL 12.990 PTH 2.37 VHP 12.216 DPA 22.58 RAP 149.68 ECC 1.7797
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 40 30 2265.94 -20.78 44.76 38.02 109.68 9 18 16 1665.9 -17.91 37.26
 90.00 19 20 22 5236.04 26.58 235.79 41.86 79.86 20 47 38 4636.0 24.91 227.52
 100.00 9 59 22 2011.51 -22.08 25.54 37.51 110.68 10 32 54 1411.5 -19.07 18.04
 100.00 20 44 10 4965.71 27.94 215.62 41.58 78.91 22 6 56 4365.7 26.12 207.29
 110.00 11 1 57 1815.58 -25.56 9.13 35.97 113.51 11 32 13 1215.6 -22.15 1.62
 110.00 21 58 5 4734.40 31.60 197.13 40.65 76.24 23 16 59 4134.4 29.39 188.63

DIFFERENTIAL CORRECTIONS

TDE .9582 TRA-2.2446 TC3 -.1848 BAU .1393
 RDE -.3611 RRA -.3541 RC3 .1194 FAU .01878
 FDE -.9122 FRA 1.4950 FC3 -.3431 BSP .6568
 BDE 1.0240 BRA 2.2723 BC3 .2200 FSP -.362

MID-COURSE EXECUTION ACCURACY

SGT 2054.5 SGR 452.7 SG3 132.8
 RRT .2943 RRF -.3152 RTF -.8964
 SGB 2103.8 R23 -.0410 R13 -.8971
 SGI 2059.0 SG2 431.7 THA 3.88

ORBIT DETERMINATION ACCURACY

ST 976.2 SR 313.5 SS 893.9
 CRT -.6202 CRS -.7341 CST .9876
 LSA 1336.9 MSA 250.4 SSA 17.0
 EL1 996.6 EL2 240.8 ALF 168.03

LAUNCH DATE APR 26 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 275.399

RL 150.52 LAL -.00 LOL 215.09 VL 25.284 GAL 10.91 AZL 93.29 HCA 108.22 SMA 118.06 ECC .32973 INC 3.2888 V1 29.601
 RP 108.93 LAP -3.12 LOP 323.34 VP 36.231 GAP -18.75 AZP 88.97 TAL 155.87 TAP 264.09 RCA 79.14 APO 156.99 V2 34.790
 RC 44.335 GL -12.41 GP 6.93 ZAL 49.22 ZAP 7.38 ETS 251.16 ZAE 156.95 ETE 129.97 ZAC 116.37 ETC 20.88 CLP 2.52

PLANETOCENTRIC CONIC

C3 43.911 VHL 6.627 DLA -6.32 RAL 163.26 RAD 6568.7 VEL 12.856 PTH 2.34 VMP 11.694 OPA 22.44 RAP 151.65 ECC 1.7227
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 48 1 2212.66 -19.52 41.36 36.28 110.93 9 24 53 1612.7 -16.50 33.99
 90.00 19 11 21 5251.16 26.76 236.86 40.74 80.37 20 38 52 4651.2 25.15 228.56
 100.00 10 6 21 1959.95 -20.80 22.24 35.74 111.96 10 39 1 1359.9 -17.64 14.88
 100.00 20 35 42 4979.11 28.11 216.58 40.47 79.39 21 58 41 4379.1 26.36 208.22
 110.00 11 7 43 1767.82 -24.22 6.06 34.14 114.89 11 37 11 1167.8 -20.66 358.72
 110.00 21 50 49 4744.00 31.76 197.84 39.57 76.63 23 9 53 4144.0 29.59 189.30

DIFFERENTIAL CORRECTIONS

TDE .9666 TRA-2.2304 TC3 -.1712 BAU .1272
 RDE -.3242 RRA -.3459 RC3 .1329 FAU .01960
 FDE -.9683 FRA 1.5495 FC3 -.3864 BSP 6811
 BDE 1.0195 BRA 2.2570 BC3 .2167 FSP -395

MID-COURSE EXECUTION ACCURACY

SGT 2124.7 SGR 447.4 SG3 144.1
 RRT .3257 RRF -.3501 RTF -.9030
 SGB 2171.3 R23 -.0465 R13 -.9037
 SGI 2129.9 SG2 421.9 THA 4.08

ORBIT DETERMINATION ACCURACY

ST 1018.5 SR 294.5 SS 939.5
 CRT -.6059 CRS -.7233 CST .9872
 LSA 1395.3 MSA 244.2 SSA 17.0
 EL1 1034.8 EL2 230.6 ALF 169.54

LAUNCH DATE APR 26 1967

FLIGHT TIME 120.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 282.134

RL 150.52 LAL -.00 LOL 215.09 VL 25.465 GAL 10.47 AZL 93.43 HCA 111.38 SMA 119.04 ECC .31730 INC 3.4284 V1 29.601
 RP 108.92 LAP -3.19 LOP 326.50 VP 36.361 GAP -17.87 AZP 88.75 TAL 155.53 TAP 266.91 RCA 81.27 APO 156.81 V2 34.793
 RC 43.707 GL -13.56 GP 7.46 ZAL 49.26 ZAP 7.54 ETS 262.58 ZAE 157.91 ETE 122.87 ZAC 114.55 ETC 20.52 CLP 1.12

PLANETOCENTRIC CONIC

C3 40.791 VHL 6.387 DLA -7.46 RAL 163.00 RAD 6568.6 VEL 12.734 PTH 2.32 VMP 11.189 OPA 22.34 RAP 153.61 ECC 1.6713
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 55 42 2158.00 -18.16 37.93 34.55 112.11 9 31 40 1558.0 -15.00 30.68
 90.00 19 1 32 5268.66 26.95 238.11 39.60 80.96 20 29 21 4668.7 25.42 229.77
 100.00 10 13 28 1907.13 -19.42 18.93 33.99 113.18 10 45 15 1307.1 -16.12 11.69
 100.00 20 26 27 4994.76 28.30 217.71 39.34 79.95 21 49 42 4394.8 26.62 209.31
 110.00 11 13 32 1719.07 -22.79 3.00 32.33 116.19 11 42 11 1119.1 -19.09 355.82
 110.00 21 42 53 4755.59 31.94 198.70 38.49 77.11 23 2 8 4155.6 29.83 190.12

DIFFERENTIAL CORRECTIONS

TDE .9762 TRA-2.2137 TC3 -.1541 BAU .1164
 RDE -.2870 RRA -.3392 RC3 .1477 FAU .02050
 FDE -1.0306 FRA 1.6072 FC3 -.4351 BSP 7061
 BDE 1.0176 BRA 2.2395 BC3 .2135 FSP -433

MID-COURSE EXECUTION ACCURACY

SGT 2194.8 SGR 442.8 SG3 156.4
 RRT .3622 RRF -.3905 RTF -.9091
 SGB 2239.0 R23 -.0528 R13 -.9100
 SGI 2200.8 SG2 411.6 THA 4.33

ORBIT DETERMINATION ACCURACY

ST 1062.1 SR 273.5 SS 988.4
 CRT -.5859 CRS -.7073 CST .9869
 LSA 1457.1 MSA 237.7 SSA 16.9
 EL1 1074.6 EL2 219.1 ALF 171.04

LAUNCH DATE APR 26 1967

FLIGHT TIME 122.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 288.876

RL 150.52 LAL -.00 LOL 215.09 VL 25.634 GAL 10.05 AZL 93.57 HCA 114.54 SMA 119.97 ECC .30553 INC 3.5743 V1 29.601
 RP 108.90 LAP -3.25 LOP 329.67 VP 36.483 GAP -17.01 AZP 88.51 TAL 155.22 TAP 269.76 RCA 83.31 APO 156.62 V2 34.797
 RC 43.245 GL -14.79 GP 8.05 ZAL 49.38 ZAP 8.06 ETS 273.26 ZAE 158.53 ETE 115.06 ZAC 112.74 ETC 20.18 CLP -.31

PLANETOCENTRIC CONIC

C3 37.995 VHL 6.164 DLA -8.65 RAL 162.65 RAD 6568.5 VEL 12.624 PTH 2.29 VMP 10.702 OPA 22.30 RAP 155.58 ECC 1.6253
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 3 38 2101.83 -16.68 34.47 32.84 113.22 9 38 40 1501.8 -13.40 27.33
 90.00 18 50 49 5288.94 27.16 239.56 38.45 81.66 20 18 58 4688.9 25.73 231.18
 100.00 10 20 46 1852.98 -17.94 15.59 32.26 114.32 10 51 39 1253.0 -14.50 8.48
 100.00 20 16 22 5013.03 28.51 219.03 38.21 80.62 21 39 55 4413.0 26.92 210.58
 110.00 11 19 26 1669.29 -21.26 359.94 30.55 117.42 11 47 15 1069.3 -17.42 352.92
 110.00 21 34 12 4769.48 32.14 199.73 37.40 77.69 22 53 41 4169.5 30.11 191.10

DIFFERENTIAL CORRECTIONS

TDE .9768 TRA-2.1958 TC3 -.1413 BAU .1099
 RDE -.2491 RRA -.3345 RC3 .1639 FAU .02147
 FDE -1.1001 FRA 1.6688 FC3 -.4891 BSP 7275
 BDE 1.0081 BRA 2.2211 BC3 .2164 FSP -473

MID-COURSE EXECUTION ACCURACY

SGT 2262.1 SGR 439.7 SG3 170.0
 RRT .4060 RRF -.4375 RTF -.9128
 SGB 2304.4 R23 -.0600 R13 -.9138
 SGI 2269.3 SG2 400.6 THA 4.66

ORBIT DETERMINATION ACCURACY

ST 1099.1 SR 250.1 SS 1041.1
 CRT -.5524 CRS -.6828 CST .9858
 LSA 1516.5 MSA 233.0 SSA 16.9
 EL1 1108.1 EL2 206.8 ALF 172.57

LAUNCH DATE APR 26 1967

FLIGHT TIME 124.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 295.622

RL 150.52 LAL -.00 LOL 215.09 VL 25.792 GAL 9.65 AZL 93.73 HCA 117.70 SMA 120.85 ECC .29441 INC 3.7277 V1 29.601
 RP 108.89 LAP -3.30 LOP 332.84 VP 36.598 GAP -16.18 AZP 88.27 TAL 154.95 TAP 272.66 RCA 85.27 APO 156.43 V2 34.801
 RC 42.956 GL -16.11 GP 8.72 ZAL 49.59 ZAP 8.90 ETS 282.46 ZAE 158.73 ETE 106.85 ZAC 110.93 ETC 19.87 CLP -1.77

PLANETOCENTRIC CONIC

C3 35.500 VHL 5.958 DLA -9.90 RAL 162.22 RAD 6568.4 VEL 12.525 PTH 2.27 VMP 10.233 OPA 22.32 RAP 157.54 ECC 1.5842
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 11 54 2044.00 -15.10 30.96 31.17 114.24 9 45 58 1444.0 -11.70 23.93
 90.00 18 39 7 5312.45 27.38 241.24 37.30 82.48 20 7 40 4712.5 26.05 232.82
 100.00 10 28 21 1797.34 -16.34 12.23 30.57 115.38 10 58 19 1197.3 -12.79 5.24
 100.00 20 5 21 5034.34 28.74 220.57 37.08 81.40 21 29 16 4434.3 27.25 212.08
 110.00 11 25 30 1618.42 -19.64 356.89 28.80 118.56 11 52 28 1018.4 -15.67 350.01
 110.00 21 24 42 4786.03 32.38 200.96 36.32 78.38 22 44 28 4186.0 30.44 192.28

DIFFERENTIAL CORRECTIONS

TDE 1.0019 TRA-2.1740 TC3 -.1099 BAU .1006
 RDE -.2109 RRA -.3320 RC3 .1811 FAU .02253
 FDE -1.1785 FRA 1.7340 FC3 -.5495 BSP 7551
 BDE 1.0238 BRA 2.1992 BC3 .2119 FSP -518

MID-COURSE EXECUTION ACCURACY

SGT 2334.3 SGR 439.1 SG3 184.9
 RRT .4528 RRF -.4897 RTF -.9206
 SGB 2375.2 R23 -.0682 R13 -.9217
 SGI 2343.0 SG2 390.0 THA 5.01

ORBIT DETERMINATION ACCURACY

ST 1154.8 SR 225.0 SS 1098.1
 CRT -.5139 CRS -.6454 CST .9866
 LSA 1593.6 MSA 224.0 SSA 16.6
 EL1 1160.7 EL2 192.1 ALF 174.12

LAUNCH DATE APR 26 1967

FLIGHT TIME 126.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 302.368

RL 150.52 LAL -0.00 LOL 215.09 VL 25.938 GAL 9.26 AZL 93.89 MCA 120.86 SMA 121.69 ECC .28391 INC 3.8903 V1 29.601
 RP 108.87 LAP -3.34 LOP 336.01 VP 36.706 GAP -15.37 AZP 88.00 TAL 154.72 TAP 275.58 RCA 87.14 APO 156.24 V2 34.806
 RC 42.841 GL -17.52 GP 9.48 ZAL 49.90 ZAP -10.03 ETS 289.93 ZAE 158.47 ETE 98.62 ZAC 109.12 ETC 19.58 CLP -3.27

PLANETOCENTRIC CONIC

C3 33.288 VHL 5.770 DLA -11.22 RAL 161.70 RAD 6568.3 VEL 12.436 PTH 2.25 VHP 9.781 DPA 22.43 RAP 159.50 ECC 1.5478
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 20 36 1984.27 -13.40 27.40 29.53 115.18 9 53 40 1384.3 -9.89 20.47
 90.00 18 26 18 5339.71 27.61 243.20 36.16 83.44 19 55 18 4739.7 26.41 234.74
 100.00 10 36 18 1740.05 -14.64 8.82 28.92 116.36 11 5 18 1140.0 -10.98 1.94
 100.00 19 53 17 5059.17 28.98 222.38 35.96 82.32 21 17 36 4459.2 27.61 213.84
 110.00 11 31 45 1566.36 -17.91 353.84 27.10 119.61 11 57 52 966.4 -13.84 347.09
 110.00 21 14 19 4805.62 32.64 202.43 35.27 79.22 22 34 24 4205.6 30.81 193.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0183 TRA-2.1510 TC3 -.0833 BAU .0964 SGT 2402.9 SGR 441.8 SG3 201.2 ST 1203.9 SR 197.7 SS 1159.8
 ROE -.1711 RRA -.3320 RC3 .2001 FAU .02369 RRT .5069 RRF -.5484 RTF -.9258 CRT -.4450 CRS -.5837 CST .9866
 FDE-1.2670 FRA 1.8033 FC3 -.6160 BSP 7784 SGB 2443.2 R23 -.0779 R13 -.9270 LSA 1669.2 MSA 217.1 SSA 16.4
 BOE 1.0326 BRA 2.1765 BC3 .2167 FSP -568 SG1 2413.6 SG2 379.1 THA 5.46 EL1 1207.2 EL2 176.5 ALF 175.73

LAUNCH DATE APR 26 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 309.114

RL 150.52 LAL -0.00 LOL 215.09 VL 26.074 GAL 8.90 AZL 94.06 MCA 124.03 SMA 122.49 ECC .27403 INC 4.0641 V1 29.601
 RP 108.86 LAP -3.37 LOP 339.18 VP 36.808 GAP -14.59 AZP 87.72 TAL 154.52 TAP 278.55 RCA 88.92 APO 156.05 V2 34.812
 RC 42.900 GL -19.03 GP 10.35 ZAL 50.31 ZAP 11.40 ETS 295.75 ZAE 157.76 ETE 90.80 ZAC 107.31 ETC 19.30 CLP -4.80

PLANETOCENTRIC CONIC

C3 31.346 VHL 5.599 DLA -12.61 RAL 161.09 RAD 6568.2 VEL 12.358 PTH 2.23 VHP 9.347 DPA 22.63 RAP 161.47 ECC 1.5159
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 29 51 1922.36 -11.57 23.77 27.96 116.02 10 1 53 1322.4 -7.98 16.93
 90.00 18 12 11 5371.35 27.83 245.49 35.04 84.56 19 41 43 4771.3 26.79 236.98
 100.00 10 44 42 1680.87 -12.82 5.37 27.32 117.23 11 12 43 1080.9 -9.07 358.59
 100.00 19 40 2 5088.07 29.22 224.49 34.87 83.41 21 4 50 4488.1 28.00 215.90
 110.00 11 38 18 1512.99 -16.09 350.77 25.46 120.57 12 3 31 913.0 -11.92 344.15
 110.00 21 2 55 4828.71 32.92 204.17 34.25 80.21 22 23 23 4228.7 31.22 195.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0376 TRA-2.1258 TC3 -.0532 BAU .0951 SGT 2469.9 SGR 449.4 SG3 219.0 ST 1254.9 SR 169.2 SS 1226.7
 ROE -.1292 RRA -.3351 RC3 .2205 FAU .02493 RRT .5661 RRF -.6119 RTF -.9307 CRT -.3290 CRS -.4768 CST .9866
 FDE-1.3673 FRA 1.8768 FC3 -.6886 BSP 8020 SGB 2510.5 R23 -.0886 R13 -.9322 LSA 1750.3 MSA 210.4 SSA 16.1
 BOE 1.0456 BRA 2.1521 BC3 .2268 FSP -622 SG1 2483.3 SG2 368.4 THA 6.01 EL1 1256.1 EL2 159.7 ALF 177.42

LAUNCH DATE APR 26 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 315.857

RL 150.52 LAL -0.00 LOL 215.09 VL 26.201 GAL 8.56 AZL 94.25 MCA 127.19 SMA 123.24 ECC .26473 INC 4.2514 V1 29.601
 RP 108.84 LAP -3.39 LOP 342.35 VP 36.904 GAP -13.84 AZP 87.43 TAL 154.35 TAP 281.54 RCA 90.61 APO 155.86 V2 34.819
 RC 43.133 GL -20.65 GP 11.35 ZAL 50.83 ZAP 12.99 ETS 300.19 ZAE 156.61 ETE 83.76 ZAC 105.51 ETC 19.04 CLP -6.37

PLANETOCENTRIC CONIC

C3 29.660 VHL 5.446 DLA -14.08 RAL 160.39 RAD 6568.2 VEL 12.290 PTH 2.21 VHP 8.932 DPA 22.96 RAP 163.45 ECC 1.4881
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 39 50 1857.83 -9.62 20.03 26.46 116.76 10 10 48 1257.8 -5.95 13.27
 90.00 17 56 35 5408.13 28.04 248.16 33.95 85.89 19 26 44 4808.1 27.18 239.60
 100.00 10 53 43 1619.48 -10.89 1.84 25.80 118.01 11 20 42 1019.5 -7.05 355.15
 100.00 19 25 24 5121.71 29.46 226.96 33.82 84.69 20 50 46 4521.7 28.41 218.31
 110.00 11 45 13 1458.14 -14.17 347.69 23.88 121.44 12 9 31 858.1 -9.90 341.18
 110.00 20 50 23 4855.81 33.21 206.23 33.28 81.40 22 11 19 4255.8 31.67 197.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0630 TRA-2.0962 TC3 -.0173 BAU .0965 SGT 2533.8 SGR 463.7 SG3 238.5 ST 1310.0 SR 142.4 SS 1300.0
 ROE -.0843 RRA -.3415 RC3 .2428 FAU .02631 RRT .6282 RRF -.6778 RTF -.9357 CRT -.1253 CRS -.2814 CST .9870
 FDE-1.4827 FRA 1.9532 FC3 -.7681 BSP 8307 SGB 2575.9 R23 -.1003 R13 -.9375 LSA 1839.8 MSA 203.3 SSA 15.6
 BOE 1.0664 BRA 2.1238 BC3 .2434 FSP -684 SG1 2550.9 SG2 358.4 THA 6.69 EL1 1310.1 EL2 141.3 ALF 179.21

LAUNCH DATE APR 26 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 322.594

RL 150.52 LAL -0.00 LOL 215.09 VL 26.318 GAL 8.23 AZL 94.46 MCA 130.35 SMA 123.95 ECC .25602 INC 4.4552 V1 29.601
 RP 108.81 LAP -3.39 LOP 345.53 VP 36.994 GAP -13.10 AZP 87.11 TAL 154.22 TAP 284.57 RCA 92.21 APO 155.68 V2 34.826
 RC 43.534 GL -22.39 GP 12.50 ZAL 51.46 ZAP 14.80 ETS 303.49 ZAE 155.10 ETE 77.71 ZAC 103.71 ETC 18.79 CLP -7.98

PLANETOCENTRIC CONIC

C3 28.224 VHL 5.313 DLA -15.63 RAL 159.58 RAD 6568.1 VEL 12.231 PTH 2.20 VHP 8.536 DPA 23.43 RAP 165.46 ECC 1.4645
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 50 47 1790.11 -7.52 16.16 25.05 117.38 10 20 37 1190.1 -3.79 9.47
 90.00 17 39 14 5451.03 28.21 251.29 32.91 87.44 19 10 5 4851.0 27.56 242.68
 100.00 11 3 31 1555.42 -8.81 358.22 24.36 118.68 11 29 27 955.4 -4.92 351.59
 100.00 19 9 11 5160.95 29.67 229.86 32.81 86.20 20 35 12 4560.9 28.83 221.16
 110.00 11 52 38 1401.59 -12.14 344.56 22.37 122.20 12 15 59 801.6 -7.80 338.15
 110.00 20 36 34 4887.54 33.51 208.66 32.38 82.81 21 58 1 4287.5 32.15 199.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0904 TRA-2.0671 TC3 .0171 BAU .1009 SGT 2596.6 SGR 487.2 SG3 259.7 ST 1365.7 SR 124.6 SS 1378.9
 ROE -.0354 RRA -.3522 RC3 .2667 FAU .02772 RRT .6903 RRF -.7432 RTF -.9401 CRT .2189 CRS .0629 CST .9873
 FDE-1.6133 FRA 2.0347 FC3 -.8504 BSP 8527 SGB 2641.9 R23 -.1137 R13 -.9422 LSA 1934.7 MSA 197.4 SSA 15.1
 BOE 1.0910 BRA 2.0969 BC3 .2673 FSP -749 SG1 2618.7 SG2 349.5 THA 7.51 EL1 1366.0 EL2 121.6 ALF 115

LAUNCH DATE APR 26 1967 FLIGHT TIME 134.00 ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC
 RL 150.52 LAL -.00 LOL 215.09 VL 26.427 GAL 7.93 AZL 94.68 MCA 133.52 SMA 124.61 ECC .24786 INC 4.6792 V1 29.601
 RP 108.79 LAP -3.39 LOP 348.70 VP 37.079 GAP -12.39 AZP 86.77 TAL 154.12 TAP 287.63 RCA 93.73 APO 155.50 V2 34.834
 RC 44.099 GL -24.25 GP 13.84 ZAL 52.22 ZAP 16.82 ETS 305.88 ZAE 153.28 ETE 72.70 ZAC 101.90 ETC 18.55 CLP -9.65

PLANETOCENTRIC CONIC
 C3 27.033 VHL 5.199 CLA -17.28 RAL 158.67 RAD 6568.1 VEL 12.182 PTH 2.19 VMP 8.161 DPA 24.08 RAP 167.50 ECC 1.4449
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 3 1 1718.33 -5.26 12.11 23.77 117.86 10 31 40 1118.3 -1.49 5.46
 90.00 17 19 44 5501.34 28.31 254.97 31.91 89.29 18 51 25 4901.3 27.91 246.32
 100.00 11 14 23 1488.05 -6.59 354.45 23.04 119.22 11 39 11 888.0 -2.65 347.88
 100.00 18 51 3 5206.86 29.83 233.26 31.86 87.98 20 17 50 4606.9 29.23 224.51
 110.00 12 0 41 1343.00 -9.99 341.38 20.97 122.86 12 23 4 743.0 -5.59 335.05
 110.00 20 21 14 4924.67 33.79 211.53 31.56 84.48 21 43 19 4324.7 32.66 202.47

DIFFERENTIAL CORRECTIONS
 TOE 1.1221 TRA-2.0366 TC3 .0524 BAU .1074 SGT 2656.4 SGR 522.5 SG3 282.6 ORBIT DETERMINATION ACCURACY
 RDE .0190 RRA -.3677 RC3 .2925 FAU .02920 CRT .6285 CRS .5005 CST .9876 ST 1423.4 SR 129.3 SS 1464.2
 FDE-1.7625 FRA 2.1195 FC3 -.9351 BSP 8734 SGB 2707.3 R23 -.1281 R13 -.9467 LSA 2037.0 MSA 192.3 SSA 14.4
 BDE 1.1222 BRA 2.0695 BC3 .2972 FSP -819 SG1 2685.5 SG2 342.3 THA 8.52 EL1 1425.8 EL2 100.4 ALF 3.28

LAUNCH DATE APR 26 1967 FLIGHT TIME 136.00 ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC
 RL 150.52 LAL -.00 LOL 215.09 VL 26.527 GAL 7.64 AZL 94.93 MCA 136.68 SMA 125.24 ECC .24024 INC 4.9281 V1 29.601
 RP 108.76 LAP -3.38 LOP 351.88 VP 37.158 GAP -11.70 AZP 86.41 TAL 154.04 TAP 290.73 RCA 95.15 APO 155.33 V2 34.842
 RC 44.820 GL -26.24 GP 15.39 ZAL 53.10 ZAP 19.06 ETS 307.54 ZAE 151.20 ETE 68.74 ZAC 100.09 ETC 18.30 CLP -11.38

PLANETOCENTRIC CONIC
 C3 26.091 VHL 5.108 CLA -19.03 RAL 157.65 RAD 6568.1 VEL 12.144 PTH 2.18 VMP 7.808 DPA 24.94 RAP 169.60 ECC 1.4294
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 17 2 1641.16 -2.79 7.78 22.63 118.19 10 44 24 1041.2 1.01 1.15
 90.00 16 57 32 5560.92 28.28 259.32 30.95 91.47 18 30 13 4960.9 28.19 230.66
 100.00 11 26 42 1416.39 -4.20 350.48 21.85 119.62 11 50 18 816.4 -1.22 343.95
 100.00 18 30 34 5260.92 29.89 237.28 30.97 90.10 19 58 15 4660.9 29.59 228.49
 110.00 12 9 36 1281.92 -7.72 338.11 19.68 123.40 12 30 58 681.9 -3.27 331.85
 110.00 20 4 8 4968.16 34.02 214.90 30.83 86.46 21 26 56 4368.2 33.16 204.77

DIFFERENTIAL CORRECTIONS
 TOE 1.1630 TRA-2.0012 TC3 .0914 BAU .1162 SGT 2710.9 SGR 572.9 SG3 307.2 ORBIT DETERMINATION ACCURACY
 RDE .0813 RRA -.3888 RC3 .3203 FAU .03077 CRT .8818 CRS .8008 CST .9883 ST 1486.4 SR 166.1 SS 1557.4
 FDE-1.9354 FRA 2.2044 FC3-1.0210 BSP 9003 SGB 2770.8 R23 -.1422 R13 -.9515 LSA 2151.1 MSA 187.0 SSA 13.6
 BDE 1.1659 BRA 2.0386 BC3 .3331 FSP -898 SG1 2750.1 SG2 337.6 THA 9.76 EL1 1493.6 EL2 77.9 ALF 5.64

LAUNCH DATE APR 26 1967 FLIGHT TIME 138.00 ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC
 RL 150.52 LAL -.00 LOL 215.09 VL 26.620 GAL 7.37 AZL 95.21 MCA 139.85 SMA 125.82 ECC .23314 INC 5.2083 V1 29.601
 RP 108.74 LAP -3.36 LOP 355.05 VP 37.233 GAP -11.03 AZP 86.01 TAL 153.99 TAP 293.84 RCA 96.49 APO 155.16 V2 34.851
 RC 45.690 GL -28.39 GP 17.22 ZAL 54.12 ZAP 21.56 ETS 308.60 ZAE 148.90 ETE 65.73 ZAC 98.27 ETC 18.04 CLP -13.17

PLANETOCENTRIC CONIC
 C3 25.409 VHL 5.041 CLA -20.89 RAL 156.50 RAD 6568.0 VEL 12.116 PTH 2.17 VMP 7.480 DPA 26.06 RAP 171.78 ECC 1.4182
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 33 37 1556.39 -0.05 3.05 21.70 118.32 10 59 34 956.4 3.73 356.42
 90.00 16 31 46 5632.60 28.05 264.55 30.02 94.08 18 5 38 5032.6 28.32 255.90
 100.00 11 41 0 1338.92 -1.58 346.22 20.86 119.85 12 3 19 738.9 2.41 339.70
 100.00 18 7 4 5325.30 29.79 242.06 30.13 92.61 19 35 49 4725.3 29.83 233.26
 110.00 12 19 41 1217.70 -5.30 334.72 18.54 123.82 12 39 59 617.7 -1.82 328.49
 110.00 19 44 52 5019.29 34.17 218.89 30.20 88.82 21 8 32 4419.3 33.62 209.69

DIFFERENTIAL CORRECTIONS
 TOE 1.2122 TRA-1.9633 TC3 .1300 BAU .1269 SGT 2760.7 SGR 642.1 SG3 333.2 ORBIT DETERMINATION ACCURACY
 RDE .1544 RRA -.4166 RC3 .3501 FAU .03237 CRT .9718 CRS .9273 CST .9890 ST 1553.1 SR 232.5 SS 1658.2
 FDE-2.1342 FRA 2.2878 FC3-1.1029 BSP 9285 SGB 2834.3 R23 -.1554 R13 -.9562 LSA 2276.5 MSA 182.3 SSA 12.7
 BDE 1.2220 BRA 2.0070 BC3 .3734 FSP -984 SG1 2814.3 SG2 336.3 THA 11.29 EL1 1569.5 EL2 54.3 ALF 8.29

LAUNCH DATE APR 26 1967 FLIGHT TIME 140.00 ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC
 RL 150.52 LAL -.00 LOL 215.09 VL 26.705 GAL 7.12 AZL 95.53 MCA 143.02 SMA 126.37 ECC .22654 INC 5.5278 V1 29.601
 RP 108.71 LAP -3.32 LOP 358.23 VP 37.303 GAP -10.37 AZP 85.58 TAL 153.97 TAP 296.99 RCA 97.74 APO 155.00 V2 34.860
 RC 46.700 GL -30.69 GP 19.39 ZAL 55.28 ZAP 24.35 ETS 309.15 ZAE 146.38 ETE 63.60 ZAC 96.41 ETC 17.77 CLP -15.02

PLANETOCENTRIC CONIC
 C3 25.009 VHL 5.001 CLA -22.88 RAL 155.21 RAD 6568.0 VEL 12.099 PTH 2.17 VMP 7.181 DPA 27.50 RAP 174.07 ECC 1.4116
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 54 12 1459.86 3.06 357.66 21.07 118.16 11 18 32 859.9 6.80 350.98
 90.00 16 0 53 5721.30 27.45 270.97 29.07 97.25 17 36 14 5121.3 28.17 262.38
 100.00 11 58 18 1252.96 1.34 341.50 20.11 119.87 12 19 11 653.0 5.30 334.96
 100.00 17 39 28 5403.43 29.41 247.84 29.32 95.63 19 9 31 4803.4 29.87 239.07
 110.00 12 31 22 7149.29 -2.69 331.13 17.60 124.09 12 50 31 549.3 1.80 324.93
 110.00 19 22 53 5079.87 34.15 223.62 29.67 91.62 20 47 33 4479.9 34.00 214.38

DIFFERENTIAL CORRECTIONS
 TOE 1.2779 TRA-1.9166 TC3 .1766 BAU .1408 SGT 2802.7 SGR 734.2 SG3 360.0 ORBIT DETERMINATION ACCURACY
 RDE .2429 RRA -.4516 RC3 .3823 FAU .03413 CRT .9954 CRS .9733 CST .9901 ST 1629.4 SR 325.5 SS 1768.8
 FDE-2.3664 FRA 2.3607 FC3-1.1814 BSP 9737 SGB 2897.3 R23 -.1638 R13 -.9617 LSA 2420.4 MSA 176.3 SSA 11.7
 BDE 1.3008 BRA 1.9691 BC3 .4211 FSP -1085 SG1 2877.5 SG2 337.9 THA 13.19 EL1 1661.3 EL2 30.5 ALF 15.25

LAUNCH DATE APR 26 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 356.142

RL 150.52 LAL -1.00 LOL 215.09 VL 26.783 GAL 6.88 AZL 95.90 MCA 146.19 SMA 126.87 ECC .22043 INC 5.8984 V1 29.601
 RP 108.68 LAP -3.28 LOP 1.41 VP 37.368 GAP -9.74 AZP 85.09 TAL 153.97 TAP 300.16 RCA 98.91 APO 154.84 V2 34.870
 RC 47.841 GL -33.18 GP 21.96 ZAL 56.60 ZAP 27.47 ETS 309.29 ZAE 143.60 ETE 62.24 ZAC 94.52 ETC 17.44 CLP -16.94

PLANETOCENTRIC CONIC

C3 24.929 VHL 4.993 DLA -25.01 RAL 153.75 RAD 6568.0 VEL 12.096 PTH 2.17 VHP 6.917 OPA 29.31 RAP 176.54 ECC 1.4103
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 21 54 1342.09 6.81 351.04 20.90 117.55 11 44 16 742.1 10.45 344.25
 90.00 15 21 34 5837.50 26.18 279.24 27.96 101.20 16 58 52 5237.5 27.46 270.81
 100.00 12 20 25 1153.19 4.71 336.01 19.75 119.55 12 39 38 553.2 8.61 329.40
 100.00 17 5 45 5501.63 28.54 255.01 28.44 99.30 18 37 26 4901.6 29.53 246.34
 110.00 12 45 20 1074.99 .15 327.25 16.91 124.18 13 3 15 475.0 4.63 321.04
 110.00 18 57 18 5152.59 33.87 229.28 29.22 94.96 20 23 11 4552.6 34.18 220.05

DIFFERENTIAL CORRECTIONS

TDE 1.3727 TRA-1.8512 TC3 .2450 BAU .1617
 RDE .3540 RRA -.4934 RC3 .4189 FAU .03637
 FDE-2.6433 FRA 2.4063 FC3-1.2631 BSP 10606
 BDE 1.4176 BRA 1.9158 BC3 .4853 FSP -1218

MID-COURSE EXECUTION ACCURACY

SGT 2834.7 SGR 854.6 SG3 387.1
 RRT .9109 RRF -.9567 RTF -.9628
 SGB 2960.7 R23 -.1621 R13 -.9685
 SG1 2941.2 SG2 339.9 THA 15.57

ORBIT DETERMINATION ACCURACY

ST 1725.1 SR 447.6 SS 1893.5
 CRT .9996 CRS .9902 CST .9919
 LSA 2595.0 MSA 166.2 SSA 10.6
 EL1 1782.2 EL2 11.6 ALF 14.54

LAUNCH DATE APR 26 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 362.822

RL 150.52 LAL -1.00 LOL 215.09 VL 26.855 GAL 6.66 AZL 96.34 MCA 149.36 SMA 127.34 ECC .21481 INC 6.3359 V1 29.601
 RP 108.64 LAP -3.22 LOP 4.60 VP 37.429 GAP -9.12 AZP 84.54 TAL 153.98 TAP 303.33 RCA 99.99 APO 154.70 V2 34.881
 RC 49.103 GL -35.86 GP 25.03 ZAL 58.09 ZAP 31.00 ETS 309.06 ZAE 140.51 ETE 61.57 ZAC 92.56 ETC 17.05 CLP -18.91

PLANETOCENTRIC CONIC

C3 25.246 VHL 5.025 DLA -27.28 RAL 152.12 RAD 6568.0 VEL 12.109 PTH 2.17 VHP 6.698 OPA 31.57 RAP 179.27 ECC 1.4155
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 8 5 1168.00 12.15 341.03 21.74 115.78 12 27 33 568.0 15.52 333.98
 90.00 14 22 24 729.77 23.20 313.69 26.25 106.70 14 34 34 129.8 25.27 305.64
 100.00 12 52 1 1026.03 8.92 328.93 20.06 118.65 13 9 7 426.0 12.68 322.15
 100.00 16 21 9 5635.01 26.70 264.49 27.30 103.97 17 55 4 5035.0 28.36 256.08
 110.00 13 2 54 991.86 3.32 322.91 16.63 124.04 13 19 26 391.9 7.77 316.65
 110.00 18 26 45 5241.95 33.13 236.15 28.81 98.96 19 54 7 4642.0 34.01 227.02

DIFFERENTIAL CORRECTIONS

TDE 1.3756 TRA-1.8922 TC3 .1327 BAU .1523
 RDE .4804 RRA -.5615 RC3 .4312 FAU .03389
 FDE-2.8605 FRA 2.5292 FC3-1.1622 BSP 8920
 BDE 1.4571 BRA 1.9737 BC3 .4512 FSP -1156

MID-COURSE EXECUTION ACCURACY

SGT 2893.5 SGR 1003.4 SG3 410.1
 RRT .9183 RRF -.9722 RTF -.9574
 SGB 3062.5 R23 -.1961 R13 -.9661
 SG1 3039.1 SG2 378.3 THA 17.95

ORBIT DETERMINATION ACCURACY

ST 1729.5 SR 589.1 SS 1970.0
 CRT .9981 CRS .9963 CST .9895
 LSA 2680.2 MSA 188.5 SSA 9.4
 EL1 1826.7 EL2 34.6 ALF 18.78

LAUNCH DATE APR 26 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 369.476

RL 150.52 LAL -1.00 LOL 215.09 VL 26.921 GAL 6.46 AZL 96.86 MCA 152.53 SMA 127.78 ECC .20961 INC 6.8640 V1 29.601
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.486 GAP -8.52 AZP 83.90 TAL 154.01 TAP 306.53 RCA 100.99 APO 154.56 V2 34.891
 RC 50.476 GL -38.78 GP 28.72 ZAL 59.79 ZAP 35.01 ETS 308.51 ZAE 137.01 ETE 61.48 ZAC 90.52 ETC 16.54 CLP -20.95

PLANETOCENTRIC CONIC

C3 26.055 VHL 5.104 DLA -29.72 RAL 150.25 RAD 6568.1 VEL 12.142 PTH 2.18 VHP 6.536 OPA 34.37 RAP 182.38 ECC 1.4288
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.56 11 50 40 1205.59 18.86 346.98 23.48 113.41 12 10 45 605.6 21.87 339.48
 99.44 14 24 55 707.76 18.88 310.39 23.48 113.40 14 36 43 107.8 21.88 302.90
 100.00 14 2 32 779.29 16.58 314.61 22.39 115.23 14 15 31 179.3 19.84 307.34
 100.00 14 55 44 609.29 21.19 304.10 24.50 111.59 15 5 53 9.3 23.94 296.38
 110.00 13 26 35 892.74 7.08 317.70 16.94 123.53 13 41 28 292.7 11.44 311.32
 110.00 17 48 10 5356.65 31.58 244.73 28.20 103.82 19 17 27 4756.7 33.16 235.86

DIFFERENTIAL CORRECTIONS

TDE 1.5129 TRA-1.8208 TC3 .1896 BAU .1743
 RDE .8641 RRA -.6249 RC3 .4629 FAU .03516
 FDE-3.1958 FRA 2.5148 FC3-1.1684 BSP 9945
 BDE 1.6511 BRA 1.9250 BC3 .5002 FSP -1281

MID-COURSE EXECUTION ACCURACY

SGT 2908.7 SGR 1194.4 SG3 430.8
 RRT .9363 RRF -.9827 RTF -.9635
 SGB 3144.3 R23 -.1817 R13 -.9736
 SG1 3119.9 SG2 391.0 THA 21.38

ORBIT DETERMINATION ACCURACY

ST 1839.2 SR 780.8 SS 2099.2
 CRT .9968 CRS .9987 CST .9917
 LSA 2892.6 MSA 178.0 SSA 8.3
 EL1 1997.2 EL2 57.3 ALF 22.96

LAUNCH DATE APR 26 1967

FLIGHT TIME 148.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 376.115

RL 150.52 LAL -1.00 LOL 215.09 VL 26.981 GAL 6.27 AZL 97.52 MCA 155.69 SMA 128.18 ECC .20486 INC 7.5183 V1 29.601
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.540 GAP -7.93 AZP 83.14 TAL 154.05 TAP 309.74 RCA 101.92 APO 154.43 V2 34.903
 RC 51.950 GL -41.95 GP 33.16 ZAL 61.71 ZAP 39.59 ETS 307.70 ZAE 132.95 ETE 61.83 ZAC 88.34 ETC 15.83 CLP -23.00

PLANETOCENTRIC CONIC

C3 27.558 VHL 5.250 DLA -32.35 RAL 148.11 RAD 6568.1 VEL 12.204 PTH 2.19 VHP 6.454 OPA 37.80 RAP 186.07 ECC 1.4535
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.67 10 52 40 1375.65 20.01 .32 22.99 115.96 11 15 36 775.7 23.33 352.90
 106.33 15 5 47 5853.58 20.02 278.17 23.00 115.95 16 43 20 5253.6 23.35 270.75
 73.67 10 52 40 1375.65 20.01 .32 22.99 115.96 11 15 36 775.7 23.33 352.90
 106.33 15 5 47 5853.58 20.02 278.17 23.00 115.95 16 43 20 5253.6 23.35 270.75
 110.00 14 4 23 755.48 12.16 310.31 18.45 122.20 14 16 58 155.5 16.32 303.68
 110.00 16 53 15 5521.75 28.30 256.45 26.84 110.03 18 25 17 4921.8 30.76 248.12

DIFFERENTIAL CORRECTIONS

TDE 1.6536 TRA-1.7789 TC3 .1884 BAU .1893
 RDE .8952 RRA -.7048 RC3 .4780 FAU .03412
 FDE-3.5173 FRA 2.4731 FC3-1.0720 BSP 10350
 BDE 1.8803 BRA 1.9134 BC3 .5138 FSP -1329

MID-COURSE EXECUTION ACCURACY

SGT 2928.9 SGR 1426.7 SG3 442.4
 RRT .9465 RRF -.9891 RTF -.9666
 SGB 3257.9 R23 -.1709 R13 -.9787
 SG1 3231.0 SG2 417.2 THA 25.20

ORBIT DETERMINATION ACCURACY

ST 1932.0 SR 1014.6 SS 2206.4
 CRT .9957 CRS .9996 CST .9928
 LSA 3098.3 MSA 176.4 SSA 7.2
 EL1 2180.6 EL2 83.5 ALF 27.65

LAUNCH DATE APR 26 1967

FLIGHT TIME 150.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 382.735

RL 150.52 LAL -1.00 LOL 215.09 VL 27.035 GAL 6.10 AZL 98.36 MCA 158.86 SMA 128.54 ECC .20054 INC 8.3560 V1 29.601
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.590 GAP -7.36 AZP 82.20 TAL 154.09 TAP 312.95 RCA 102.76 APO 154.32 V2 34.914
 RC 53.515 GL -45.41 GP 38.50 ZAL 63.89 ZAP 44.83 ETS 306.63 ZAE 128.16 ETE 62.42 ZAC 86.00 ETC 14.80 CLP -25.01

PLANETOCENTRIC CONIC

C3 30.097 VHL 5.486 DLA -35.16 RAL 145.60 RAD 6568.2 VEL 12.307 PTH 2.22 VHP 6.489 DPA 41.90 RAP 190.70 ECC 1.4953
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 68.23 10 9 11 1500.26 20.89 10.48 22.77 118.95 10 34 11 900.3 24.58 3.20
 111.77 15 29 15 5773.03 20.90 272.40 22.78 118.94 17 5 28 5173.0 24.60 265.12
 68.23 10 9 11 1500.26 20.89 10.48 22.77 118.95 10 34 11 900.3 24.58 3.20
 111.77 15 29 15 5773.03 20.90 272.40 22.78 118.94 17 5 28 5173.0 24.60 265.12
 68.23 10 9 11 1500.26 20.89 10.48 22.77 118.95 10 34 11 900.3 24.58 3.20
 111.77 15 29 15 5773.03 20.90 272.40 22.78 118.94 17 5 28 5173.0 24.60 265.12

DIFFERENTIAL CORRECTIONS

TDE 1.8412 TRA-1.7433 TC3 .1698 BAU .2027
 RDE 1.2108 RRA -.7939 RC3 .4744 FAU .03138
 FDE -3.8202 FRA 2.3549 FC3 -.9025 BSP 10803
 BDE 2.2037 BRA 1.9156 BC3 .5039 FSP -1333

MID-COURSE EXECUTION ACCURACY

SGT 2948.2 SGR 1702.5 SG3 440.1
 RRT .9537 RRF -.9930 RTF -.9692
 SGB 3404.5 R23 -.1553 R13 -.9835
 SGI 3375.0 SG2 447.1 THA 29.41

ORBIT DETERMINATION ACCURACY

ST 2035.7 SR 1300.7 SS 2293.5
 CRT .9951 CRS .9999 CST .9937
 LSA 3326.5 MSA 175.8 SSA 6.1
 EL1 2413.4 EL2 108.1 ALF 32.52

LAUNCH DATE APR 26 1967

FLIGHT TIME 152.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 389.333

RL 150.52 LAL -1.00 LOL 215.09 VL 27.085 GAL 5.95 AZL 99.47 MCA 162.03 SMA 128.87 ECC .19662 INC 9.4741 V1 29.601
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.636 GAP -6.80 AZP 80.98 TAL 154.14 TAP 316.16 RCA 103.53 APO 154.21 V2 34.926
 RC 55.163 GL -49.18 GP 44.88 ZAL 66.38 ZAP 50.79 ETS 305.28 ZAE 122.45 ETE 62.96 ZAC 83.44 ETC 13.20 CLP -26.84

PLANETOCENTRIC CONIC

C3 34.333 VHL 5.859 DLA -38.15 RAL 142.61 RAD 6568.4 VEL 12.478 PTH 2.26 VHP 6.706 DPA 46.67 RAP 196.81 ECC 1.5650
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.29 9 30 57 1611.16 21.29 19.68 22.85 122.44 9 57 48 1011.2 25.41 12.62
 116.71 15 43 37 5728.43 21.31 269.06 22.86 122.43 17 19 5 5128.4 25.43 262.01
 63.29 9 30 57 1611.16 21.29 19.68 22.85 122.44 9 57 48 1011.2 25.41 12.62
 116.71 15 43 37 5728.43 21.31 269.06 22.86 122.43 17 19 5 5128.4 25.43 262.01
 63.29 9 30 57 1611.16 21.29 19.68 22.85 122.44 9 57 48 1011.2 25.41 12.62
 116.71 15 43 37 5728.43 21.31 269.06 22.86 122.43 17 19 5 5128.4 25.43 262.01

DIFFERENTIAL CORRECTIONS

TDE 2.1165 TRA-1.7141 TC3 .1399 BAU .2128
 RDE 1.6440 RRA -.8822 RC3 .4421 FAU .02659
 FDE -4.0619 FRA 2.1321 FC3 -.6704 BSP 11458
 BDE 2.6800 BRA 1.9278 BC3 .4637 FSP -1281

MID-COURSE EXECUTION ACCURACY

SGT 2975.4 SGR 2014.0 SG3 418.1
 RRT .9596 RRF -.9952 RTF -.9722
 SGB 3593.0 R23 -.1348 R13 -.9880
 SGI 3561.6 SG2 473.5 THA 33.68

ORBIT DETERMINATION ACCURACY

ST 2166.1 SR 1640.9 SS 2347.1
 CRT .9952 CRS 1.0000 CST .9948
 LSA 3586.5 MSA 174.0 SSA 5.2
 EL1 2714.5 EL2 128.1 ALF 37.11

LAUNCH DATE APR 26 1967

FLIGHT TIME 154.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 395.903

RL 150.52 LAL -1.00 LOL 215.09 VL 27.129 GAL 5.81 AZL 101.05 MCA 165.18 SMA 129.18 ECC .19311 INC 11.0519 V1 29.601
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.680 GAP -6.26 AZP 79.31 TAL 154.18 TAP 319.36 RCA 104.23 APO 154.12 V2 34.938
 RC 56.885 GL -53.27 GP 52.40 ZAL 69.24 ZAP 57.45 ETS 303.38 ZAE 115.63 ETE 62.85 ZAC 80.60 ETC 10.51 CLP -28.13

PLANETOCENTRIC CONIC

C3 41.670 VHL 6.455 DLA -41.27 RAL 138.96 RAD 6568.6 VEL 12.769 PTH 2.32 VHP 7.223 DPA 51.85 RAP 205.39 ECC 1.6858
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.62 8 54 45 1721.45 20.86 28.65 23.21 126.46 9 23 26 1121.4 25.46 21.95
 121.38 15 50 43 5715.98 20.87 267.70 23.22 126.45 17 25 59 5116.0 25.47 260.99
 58.62 8 54 45 1721.45 20.86 28.65 23.21 126.46 9 23 26 1121.4 25.46 21.95
 121.38 15 50 43 5715.98 20.87 267.70 23.22 126.45 17 25 59 5116.0 25.47 260.99
 58.62 8 54 45 1721.45 20.86 28.65 23.21 126.46 9 23 26 1121.4 25.46 21.95
 121.38 15 50 43 5715.98 20.87 267.70 23.22 126.45 17 25 59 5116.0 25.47 260.99

DIFFERENTIAL CORRECTIONS

TDE 2.5492 TRA-1.7115 TC3 .0918 BAU .2098
 RDE 2.2378 RRA -.9509 RC3 .3652 FAU .01914
 FDE -4.1690 FRA 1.8033 FC3 -.3976 BSP 12165
 BDE 3.3920 BRA 1.9579 BC3 .3766 FSP -1141

MID-COURSE EXECUTION ACCURACY

SGT 3036.2 SGR 2329.9 SG3 371.5
 RRT .9640 RRF -.9964 RTF -.9756
 SGB 3827.1 R23 -.1131 R13 -.9916
 SGI 3794.9 SG2 495.5 THA 37.24

ORBIT DETERMINATION ACCURACY

ST 2342.4 SR 2014.6 SS 2343.4
 CRT .9956 CRS 1.0000 CST .9959
 LSA 3874.0 MSA 172.1 SSA 4.3
 EL1 3086.3 EL2 143.5 ALF 40.68

LAUNCH DATE APR 26 1967

FLIGHT TIME 156.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 402.437

RL 150.52 LAL -1.00 LOL 215.09 VL 27.169 GAL 5.70 AZL 103.46 MCA 168.33 SMA 129.45 ECC .18999 INC 13.4603 V1 29.601
 RP 108.43 LAP -2.70 LOP 23.72 VP 37.720 GAP -5.74 AZP 76.81 TAL 154.20 TAP 322.53 RCA 104.85 APO 154.04 V2 34.951
 RC 58.673 GL -57.61 GP 61.05 ZAL 72.53 ZAP 64.67 ETS 299.87 ZAE 107.57 ETE 60.71 ZAC 77.39 ETC 5.37 CLP -27.88

PLANETOCENTRIC CONIC

C3 55.533 VHL 7.452 DLA -44.35 RAL 134.43 RAD 6569.0 VEL 13.300 PTH 2.43 VHP 8.282 DPA 56.78 RAP 218.04 ECC 1.9139
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.33 8 19 2 1840.87 19.02 37.66 23.76 130.85 8 49 43 1240.9 24.13 31.46
 125.67 15 50 18 5740.06 19.03 268.26 23.78 130.84 17 25 58 5140.1 24.14 262.05
 54.33 8 19 2 1840.87 19.02 37.66 23.76 130.85 8 49 43 1240.9 24.13 31.46
 125.67 15 50 18 5740.06 19.03 268.26 23.78 130.84 17 25 58 5140.1 24.14 262.05
 54.33 8 19 2 1840.87 19.02 37.66 23.76 130.85 8 49 43 1240.9 24.13 31.46
 125.67 15 50 18 5740.06 19.03 268.26 23.78 130.84 17 25 58 5140.1 24.14 262.05

DIFFERENTIAL CORRECTIONS

TDE 3.3480 TRA-1.7649 TC3 .0317 BAU .1787
 RDE 3.0243 RRA -.9404 RC3 .2386 FAU .00952
 FDE -4.0829 FRA 1.8866 FC3 -.1485 BSP 13024
 BDE 4.5117 BRA 1.9998 BC3 .2407 FSP -926

MID-COURSE EXECUTION ACCURACY

SGT 3198.3 SGR 2560.3 SG3 300.9
 RRT .9673 RRF -.9966 RTF -.9805
 SGB 4096.9 R23 -.0914 R13 -.9945
 SGI 4064.9 SG2 511.1 THA 38.47

ORBIT DETERMINATION ACCURACY

ST 2636.3 SR 2345.0 SS 2269.0
 CRT .9961 CRS .9999 CST .9971
 LSA 4191.5 MSA 169.8 SSA 3.4
 EL1 3525.0 EL2 154.2 ALF 41.64

LAUNCH DATE APR 26 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 408.913

RL 150.52 LAL -.00 LOL 215.09 VL 27.204 GAL 5.60 AZL 107.60 MCA 171.44 SMA 129.69 ECC .18729 INC17.6018 V1 29.601
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.757 GAP -5.23 AZP 72.58 TAL 154.19 TAP 325.63 RCA 105.40 APO 153.98 V2 34.964
 RC 60.521 GL -61.85 GP 70.61 ZAL 76.32 ZAP 72.11 ETS 289.74 ZAE 98.07 ETE 51.25 ZAC 73.56 ETC 352.40 CLP -22.33

PLANETOCENTRIC CONIC

C3 86.225 VHL 9.286 DLA -46.89 RAL 128.80 RAD 6569.7 VEL 14.407 PTH 2.62 VMP 10.460 DPA 59.91 RAP 236.57 ECC 2.4190
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 50.92 7 43 56 1977.43 14.96 46.42 24.30 134.98 8 16 53 1377.4 20.53 40.81
 129.08 15 40 27 5811.53 14.98 270.96 24.31 134.98 17 17 19 5211.5 20.54 265.35
 50.92 7 43 56 1977.43 14.96 46.42 24.30 134.98 8 16 53 1377.4 20.53 40.81
 129.08 15 40 27 5811.53 14.98 270.96 24.31 134.98 17 17 19 5211.5 20.54 265.35
 50.92 7 43 56 1977.43 14.96 46.42 24.30 134.98 8 16 53 1377.4 20.53 40.81
 129.08 15 40 27 5811.53 14.98 270.96 24.31 134.98 17 17 19 5211.5 20.54 265.35

DIFFERENTIAL CORRECTIONS

TOE 5.2099 TRA-1.9704 TC3 -.0494 BAU .1068
 ROE 3.7116 RRA -.6355 RC3 .0784 FAU-.00165
 FDE-3.7945 FRA .9602 FC3 .0166 BSP 13858
 BOE 6.3968 BRA 2.0704 BC3 .0926 FSP -660

MID-COURSE EXECUTION ACCURACY

SGT 3675.3 SGR 2365.5 SG3 215.7
 RRT .9627 RRF -.9913 RTF -.9886
 SGB 4370.7 R23 -.0680 R13 -.9970
 SG1 4337.0 SG2 542.2 TMA 32.35

ORBIT DETERMINATION ACCURACY

ST 3258.7 SR 2296.7 SS 2128.9
 CRT .9960 CRS .9994 CST .9985
 LSA 4516.1 MSA 174.1 SSA 2.3
 EL1 3983.1 EL2 168.1 ALF 35.14

LAUNCH DATE APR 26 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 415.261

RL 150.52 LAL -.00 LOL 215.09 VL 27.236 GAL 5.54 AZL 116.31 MCA 174.46 SMA 129.91 ECC .18511 INC26.3086 V1 29.601
 RP 108.35 LAP -2.45 LOP 30.11 VP 37.792 GAP -4.77 AZP 63.80 TAL 154.10 TAP 328.56 RCA 105.86 APO 153.96 V2 34.977
 RC 62.420 GL -64.52 GP 79.02 ZAL 80.62 ZAP 79.20 ETS 242.36 ZAE 86.33 ETE 3.91 ZAC 68.17 ETC 300.47 CLP 10.38

PLANETOCENTRIC CONIC

C3 177.121 VHL 13.309 DLA -47.39 RAL 122.34 RAD 6570.9 VEL 17.276 PTH 2.95 VMP 15.516 DPA 58.27 RAP 260.34 ECC 3.9150
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 50.27 7 15 55 2124.42 8.14 53.31 24.77 136.85 7 51 19 1524.4 13.93 48.10
 129.73 15 16 59 659.08 8.15 298.85 24.79 136.85 15 27 58 59.1 13.94 293.64
 50.27 7 15 55 2124.42 8.14 53.31 24.77 136.85 7 51 19 1524.4 13.93 48.10
 129.73 15 16 59 659.08 8.15 298.85 24.79 136.85 15 27 58 59.1 13.94 293.64
 50.27 7 15 55 2124.42 8.14 53.31 24.77 136.85 7 51 19 1524.4 13.93 48.10
 129.73 15 16 59 659.08 8.15 298.85 24.79 136.85 15 27 58 59.1 13.94 293.64

DIFFERENTIAL CORRECTIONS

TOE10.0212 TRA-1.8595 TC3 -.1788 BAU .4550
 ROE -.3641 RRA 1.3339 RC3 .0704 FAU-.01491
 FDE-3.4922 FRA .6469 FC3 .0729 BSP 14571
 BOE10.0278 BRA 2.2885 BC3 .1922 FSP -416

MID-COURSE EXECUTION ACCURACY

SGT 4498.6 SGR 882.7 SG3 135.7
 RRT -.4454 RRF .4479 RTF -.9998
 SGB 4584.4 R23 .0128 R13 .9998
 SG1 4516.3 SG2 787.2 TMA 174.85

ORBIT DETERMINATION ACCURACY

ST 4328.9 SR 298.9 SS 2022.3
 CRT -.5925 CRS -.5924 CST 1.0000
 LSA 4781.2 MSA 240.7 SSA 1.1
 EL1 4332.5 EL2 240.6 ALF 177.65

LAUNCH DATE APR 26 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 421.115

RL 150.52 LAL -.00 LOL 215.09 VL 27.263 GAL 5.58 AZL 142.59 MCA 177.08 SMA 130.10 ECC .18399 INC52.5882 V1 29.601
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.824 GAP -4.43 AZP 37.45 TAL 153.69 TAP 330.77 RCA 106.16 APO 154.04 V2 34.990
 RC 64.367 GL -58.33 GP 68.98 ZAL 85.04 ZAP 85.03 ETS 185.78 ZAE 67.61 ETE 308.66 ZAC 56.82 ETC 234.73 CLP 76.02

PLANETOCENTRIC CONIC

C3 641.204 VHL 25.322 DLA -39.20 RAL 118.39 RAD 6572.6 VEL 27.613 PTH 3.41 VMP 30.981 DPA 44.79 RAP 284.01 ECC11.5526
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 61.67 7 46 31 2144.05 .79 48.18 27.40 129.20 8 22 15 1544.0 5.83 42.38
 118.33 14 14 49 928.34 .81 315.93 27.41 129.20 14 30 18 328.3 5.85 310.13
 61.67 7 46 31 2144.05 .79 48.18 27.40 129.20 8 22 15 1544.0 5.83 42.38
 118.33 14 14 49 928.34 .81 315.93 27.41 129.20 14 30 18 328.3 5.85 310.13
 61.67 7 46 31 2144.05 .79 48.18 27.40 129.20 8 22 15 1544.0 5.83 42.38
 118.33 14 14 49 928.34 .81 315.93 27.41 129.20 14 30 18 328.3 5.85 310.13

DIFFERENTIAL CORRECTIONS

TOE 9.0235 TRA .6050 TC3 -.1325 BAU 2.7316
 ROE-15.2981 RRA 3.7446 RC3 .2898 FAU-.05052
 FDE-3.8689 FRA .7582 FC3 .0682 BSP 14166
 BOE17.7611 BRA 3.7931 BC3 .3187 FSP -262

MID-COURSE EXECUTION ACCURACY

SGT 2156.5 SGR 3915.5 SG3 83.5
 RRT -.9308 RRF .9984 RTF -.9498
 SGB 4470.1 R23 -.0275 R13 .9995
 SG1 4415.1 SG2 699.1 TMA 117.90

ORBIT DETERMINATION ACCURACY

ST 2042.5 SR 3477.3 SS 2350.2
 CRT -.9928 CRS -.9998 CST .9948
 LSA 4662.7 MSA 213.3 SSA 1.0
 EL1 4027.2 EL2 211.9 ALF 120.34

LAUNCH DATE APR 26 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 430.396

RL 150.52 LAL -.00 LOL 215.09 VL 27.287 GAL 5.02 AZL 33.16 MCA 182.60 SMA 130.27 ECC .17792 INC56.8403 V1 29.601
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.853 GAP -3.25 AZP 146.81 TAL 155.54 TAP 338.15 RCA 107.09 APO 153.45 V2 35.003
 RC 66.356 GL 56.86 GP -63.97 ZAL 85.93 ZAP 86.97 ETS 167.65 ZAE 74.99 ETE 50.00 ZAC 82.46 ETC 117.16 CLP 83.09

PLANETOCENTRIC CONIC

C3 738.516 VHL 27.176 DLA 68.20 RAL 174.39 RAD 6572.7 VEL 29.322 PTH 3.44 VMP 36.208 DPA -80.44 RAP 8.76 ECC13.1541
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 24.96 21 32 47 5059.75 -.62 245.62 84.15 21.81 22 57 7 4459.8 -8.04 243.05
 155.04 7 55 20 3318.47 -.61 97.80 84.13 21.81 8 50 38 2718.5 -8.03 95.22
 24.96 21 32 47 5059.75 -.62 245.62 84.15 21.81 22 57 7 4459.8 -8.04 243.05
 155.04 7 55 20 3318.47 -.61 97.80 84.13 21.81 8 50 38 2718.5 -8.03 95.22
 24.96 21 32 47 5059.75 -.62 245.62 84.15 21.81 22 57 7 4459.8 -8.04 243.05
 155.04 7 55 20 3318.47 -.61 97.80 84.13 21.81 8 50 38 2718.5 -8.03 95.22

DIFFERENTIAL CORRECTIONS

TOE-4.4210 TRA-3.1426 TC3 -.1681 BAU 3.2134
 ROE-2.2117 RRA-6.2342 RC3 -.2787 FAU-.05542
 FDE .7024 FRA 1.4494 FC3 .0650 BSP 14050
 BOE 4.9433 BRA 6.9815 BC3 .3255 FSP -254

MID-COURSE EXECUTION ACCURACY

SGT 2210.3 SGR 3877.3 SG3 78.4
 RRT .9487 RRF -.9991 RTF -.9613
 SGB 4463.0 R23 -.0340 R13 -.9994
 SG1 4420.8 SG2 612.7 TMA 60.98

ORBIT DETERMINATION ACCURACY

ST 1075.1 SR 1160.4 SS 901.0
 CRT .8047 CRS .9920 CST .8732
 LSA 1748.2 MSA 508.0 SSA .6
 EL1 1503.2 EL2 492.7 ALF 47.71

LAUNCH DATE APR 26 1967 FLIGHT TIME 166.00 ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC
 RL 150.52 LAL -1.00 LOL 215.09 VL 27.30H GAL 5.13 AZL 66.28 HCA 185.05 SMA 130.41 ECC .17770 INC23.7184 V1 29.601
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.880 GAP -2.98 AZP 113.64 TAL 154.94 TAP 339.98 RCA 107.24 APO 153.59 V2 35.016
 RC 68.382 GL 65.02 GP -83.00 ZAL 80.55 ZAP 84.12 ETS 97.86 ZAE 95.38 ETE 344.55 ZAC 97.39 ETC 52.23 CLP 32.84

PLANETOCENTRIC CONIC
 C3 145.674 VHL 12.070 OLA 67.04 RAL 203.42 RAD 6570.6 VEL 16.340 PTH 2.86 VHP 16.922 DPA -71.68 RAP 107.36 ECC 3.3974
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 26.30 23 31 34 4868.17 -12.34 240.60 108.11 23.54 24 52 42 4268.2 -19.65 237.64
 153.70 9 48 10 3135.25 -12.33 94.24 108.09 23.54 10 40 25 2535.2 -19.64 91.27
 26.30 23 31 34 4868.17 -12.34 240.60 108.11 23.54 24 52 42 4268.2 -19.65 237.64
 153.70 9 48 10 3135.25 -12.33 94.24 108.09 23.54 10 40 25 2535.2 -19.64 91.27
 26.30 23 31 34 4868.17 -12.34 240.60 108.11 23.54 24 52 42 4268.2 -19.65 237.64
 153.70 9 48 10 3135.25 -12.33 94.24 108.09 23.54 10 40 25 2535.2 -19.64 91.27

DIFFERENTIAL CORRECTIONS
 TOE 2.8049 TRA-3.8858 TC3 -.1679 BAU .3289 MID-COURSE EXECUTION ACCURACY
 RDE .8842 RRA .4881 RC3 -.0177 FAU-.00638 SGT 4929.3 SGR 728.6 SG3 123.6 ST 1945.7 SR 456.0 SS 819.0
 FDE -.7968 FRA 1.1317 FC3 .0379 BSP 15641 RRT -.6216 RRF .6285 RTF -.9998 CRT .3450 CRS .3334 CST .9999
 BDE 2.9410 BRA 3.9164 BC3 .1689 FSP -398 SGB 4982.8 R23 .0018 R13 .9998 LSA 2117.0 MSA 427.1 SSA 1.1
 SGI 4950.3 SG2 568.3 THA 174.68 EL1 1952.3 EL2 426.5 ALF 4.86

LAUNCH DATE APR 26 1967 FLIGHT TIME 168.00 ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC
 RL 150.52 LAL -1.00 LOL 215.09 VL 27.325 GAL 5.13 AZL 76.49 HCA 188.05 SMA 130.53 ECC .17680 INC13.5056 V1 29.601
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.905 GAP -2.56 AZP 103.38 TAL 154.75 TAP 342.79 RCA 107.46 APO 153.61 V2 35.029
 RC 70.443 GL 59.73 GP -79.42 ZAL 74.36 ZAP 82.21 ETS 43.61 ZAE 105.71 ETE 293.15 ZAC 103.07 ETC 4.14 CLP -42.48

PLANETOCENTRIC CONIC
 C3 54.161 VHL 7.359 OLA 60.39 RAL 199.63 RAD 6569.0 VEL 13.248 PTH 2.42 VHP 10.753 DPA -62.33 RAP 121.11 ECC 1.8914
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 34.15 23 34 58 4620.48 -24.28 227.46 94.79 32.83 24 51 59 4020.5 -30.92 222.84
 145.85 9 14 33 2948.11 -24.27 90.13 94.77 32.82 10 3 41 2348.1 -30.90 85.50
 34.15 23 34 58 4620.48 -24.28 227.46 94.79 32.83 24 51 59 4020.5 -30.92 222.84
 145.85 9 14 33 2948.11 -24.27 90.13 94.77 32.82 10 3 41 2348.1 -30.90 85.50
 34.15 23 34 58 4620.48 -24.28 227.46 94.79 32.83 24 51 59 4020.5 -30.92 222.84
 145.85 9 14 33 2948.11 -24.27 90.13 94.77 32.82 10 3 41 2348.1 -30.90 85.50

DIFFERENTIAL CORRECTIONS
 TOE 1.3888 TRA-1.3568 TC3 .0108 BAU .2104 MID-COURSE EXECUTION ACCURACY
 RDE -.8737 RRA 2.7716 RC3 -.2903 FAU .01080 SGT 2395.6 SGR 4440.0 SG3 209.1 ST 1257.1 SR 1476.1 SS 834.5
 FDE -.7192 FRA 1.4859 FC3 -.1726 BSP 15788 RRT -.9474 RRF .9968 RTF -.9682 CRT -.8491 CRS -.9812 CST .9350
 BDE 1.6407 BRA 3.0859 BC3 .2905 FSP -671 SGB 5045.0 R23 .0033 R13 .9995 LSA 2044.3 MSA 525.9 SSA 1.9
 SGI 4998.8 SG2 681.1 THA 117.63 EL1 1866.4 EL2 525.3 ALF 129.62

LAUNCH DATE APR 26 1967 FLIGHT TIME 170.00 ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC
 RL 150.52 LAL -1.00 LOL 215.09 VL 27.340 GAL 5.12 AZL 81.12 HCA 191.16 SMA 130.64 ECC .17537 INC 8.8789 V1 29.601
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.928 GAP -2.11 AZP 98.71 TAL 154.63 TAP 345.79 RCA 107.65 APO 153.62 V2 35.042
 RC 72.534 GL 51.49 GP -72.70 ZAL 68.34 ZAP 81.66 ETS 28.26 ZAE 112.96 ETE 280.18 ZAC 106.58 ETC 354.82 CLP -60.81

PLANETOCENTRIC CONIC
 C3 28.849 VHL 5.371 OLA 52.82 RAL 192.37 RAD 6568.2 VEL 12.257 PTH 2.21 VHP 8.013 DPA -55.38 RAP 127.02 ECC 1.4748
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 43.35 23 31 5 4411.23 -30.10 210.83 76.31 44.30 24 44 36 3811.2 -35.64 204.38
 136.65 8 20 30 2840.85 -30.08 85.65 76.30 44.29 9 7 51 2240.8 -35.63 79.20
 43.35 23 31 5 4411.23 -30.10 210.83 76.31 44.30 24 44 36 3811.2 -35.64 204.38
 136.65 8 20 30 2840.85 -30.08 85.65 76.30 44.29 9 7 51 2240.8 -35.63 79.20
 43.35 23 31 5 4411.23 -30.10 210.83 76.31 44.30 24 44 36 3811.2 -35.64 204.38
 136.65 8 20 30 2840.85 -30.08 85.65 76.30 44.29 9 7 51 2240.8 -35.63 79.20

DIFFERENTIAL CORRECTIONS
 TOE .6962 TRA -.5974 TC3 -.0203 BAU .3445 MID-COURSE EXECUTION ACCURACY
 RDE -.5831 RRA 2.6585 RC3 -.8929 FAU .02562 SGT 1290.0 SGR 4830.2 SG3 324.1 ST 807.3 SR 1539.5 SS 872.2
 FDE -.6071 FRA 2.0401 FC3 -.7688 BSP 15729 RRT -.8650 RRF .9987 RTF -.8805 CRT -.7301 CRS -.9923 CST .8090
 BDE .9082 BRA 2.7248 BC3 .8931 FSP -1043 SGB 4999.5 R23 .0032 R13 .9993 LSA 1876.5 MSA 511.1 SSA 2.9
 SGI 4959.6 SG2 630.3 THA 103.23 EL1 1661.4 EL2 511.1 ALF 113.28

LAUNCH DATE APR 26 1967 FLIGHT TIME 172.00 ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC
 RL 150.52 LAL -1.00 LOL 215.09 VL 27.351 GAL 5.12 AZL 83.74 HCA 194.32 SMA 130.72 ECC .17535 INC 6.2601 V1 29.601
 RP 108.10 LAP -1.55 LOP 49.32 VP 37.948 GAP -1.66 AZP 96.07 TAL 154.51 TAP 348.83 RCA 107.80 APO 153.64 V2 35.056
 RC 74.652 GL 42.83 GP -66.93 ZAL 63.01 ZAP 82.37 ETS 19.29 ZAE 118.65 ETE 272.87 ZAC 109.44 ETC 351.55 CLP -70.20

PLANETOCENTRIC CONIC
 C3 19.097 VHL 4.370 OLA 45.03 RAL 186.27 RAD 6567.8 VEL 11.852 PTH 2.10 VHP 6.513 DPA -49.53 RAP 130.13 ECC 1.3143
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 53.40 23 40 27 4228.81 -30.51 193.16 60.23 55.12 24 50 55 3628.8 -34.84 185.59
 126.60 7 22 27 2822.10 -30.49 84.20 60.22 55.10 8 9 29 2222.1 -34.83 76.62
 53.40 23 40 27 4228.81 -30.51 193.16 60.23 55.12 24 50 55 3628.8 -34.84 185.59
 126.60 7 22 27 2822.10 -30.49 84.20 60.22 55.10 8 9 29 2222.1 -34.83 76.62
 53.40 23 40 27 4228.81 -30.51 193.16 60.23 55.12 24 50 55 3628.8 -34.84 185.59
 126.60 7 22 27 2822.10 -30.49 84.20 60.22 55.10 8 9 29 2222.1 -34.83 76.62

DIFFERENTIAL CORRECTIONS
 TOE .4288 TRA -.2183 TC3 -.2006 BAU .3943 MID-COURSE EXECUTION ACCURACY
 RDE -.4229 RRA 2.5016 RC3 -1.5313 FAU .04026 SGT 714.8 SGR 4861.7 SG3 457.4 ST 575.2 SR 1499.1 SS 954.8
 FDE -.6107 FRA 2.6865 FC3 -1.8251 BSP 15436 RRT -.5631 RRF .9989 RTF -.5786 CRT -.5574 CRS -.9937 CST .6471
 BDE .6023 BRA 2.5112 BC3 1.5444 FSP -1470 SGB 4913.9 R23 .0093 R13 .9990 LSA 1808.8 MSA 467.1 SSA 3.9
 SGI 4878.6 SG2 588.6 THA 94.80 EL1 1536.6 EL2 465.9 ALF 103.32

LAUNCH DATE APR 26 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 461.372

RL 150.52 LAL -1.00 LOL 215.09 VL 27.367 GAL 5.13 AZL 85.43 HCA 197.50 SMA 130.78 ECC .17496 INC 4.5734 V1 29.601
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.967 GAP -1.21 AZP 94.36 TAL 154.38 TAP 351.88 RCA 107.90 APO 153.66 V2 35.069
 RC 76.795 GL 34.66 GP -61.93 ZAL 58.64 ZAP 84.18 ETS 12.31 ZAE 123.29 ETE 266.63 ZAC 112.10 ETC 349.89 CLP -77.55

PLANETOCENTRIC CONIC

C3 14.599 VHL 3.821 DLA 37.60 RAL 181.63 RAD 6567.6 VEL 11.661 PTH 2.05 VMP 5.590 DPA -44.34 RAP 131.76 ECC 1.2403
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 64.16 0 13 6 4036.06 -27.89 174.78 48.24 63.69 1 20 22 3436.1 -31.18 166.81
 115.84 6 16 42 2891.64 -27.87 88.40 48.23 63.68 7 4 54 2291.6 -31.17 80.44
 64.16 0 13 6 4036.06 -27.89 174.78 48.24 63.69 1 20 22 3436.1 -31.18 166.81
 115.84 6 16 42 2891.64 -27.87 88.40 48.23 63.68 7 4 54 2291.6 -31.17 80.44
 64.16 0 13 6 4036.06 -27.89 174.78 48.24 63.69 1 20 22 3436.1 -31.18 166.81
 115.84 6 16 42 2891.64 -27.87 88.40 48.23 63.68 7 4 54 2291.6 -31.17 80.44

DIFFERENTIAL CORRECTIONS

TDE .2814 TRA .0707 TC3 -.5107 BAU .4168
 RDE -.3918 RRA 2.3568 RC3-2.0737 FAU .05469
 FDE -.7453 FRA 3.3587 FC3-3.2432 BSP 15122
 BDE .4824 BRA 2.3578 BC3 2.1357 FSP -1929

MID-COURSE EXECUTION ACCURACY

SGT 590.1 SGR 4769.9 SG3 597.3
 RRT .3435 RRF .9988 RTF .3298
 SGB 4806.3 R23 .0192 R13 .9987
 SG1 4774.3 SG2 553.7 TMA 87.53

ORBIT DETERMINATION ACCURACY

ST 424.1 SR 1462.2 SS 1068.2
 CRT -.3124 CRS -.9932 CST .4204
 LSA 1814.5 MSA 408.2 SSA 5.0
 EL1 1468.7 EL2 401.1 ALF 95.59

LAUNCH DATE APR 26 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 467.752

RL 150.52 LAL -1.00 LOL 215.09 VL 27.367 GAL 5.16 AZL 86.61 HCA 200.69 SMA 130.83 ECC .17480 INC 3.3916 V1 29.601
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.984 GAP -.76 AZP 93.17 TAL 154.22 TAP 354.91 RCA 107.96 APO 153.70 V2 35.082
 RC 78.958 GL 27.37 GP -57.46 ZAL 55.25 ZAP 86.88 ETS 6.39 ZAE 127.10 ETE 260.41 ZAC 114.72 ETC 348.86 CLP -84.19

PLANETOCENTRIC CONIC

C3 12.307 VHL 3.508 DLA 30.87 RAL 178.14 RAD 6567.5 VEL 11.563 PTH 2.02 VMP 4.983 DPA -39.58 RAP 132.48 ECC 1.2025
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.16 1 18 42 3755.70 -24.05 151.15 39.88 70.04 2 21 17 3155.7 -26.55 143.16
 102.84 4 43 17 3097.77 -24.04 102.60 39.87 70.02 5 34 55 2497.8 -26.54 94.61
 77.16 1 18 42 3755.70 -24.05 151.15 39.88 70.04 2 21 17 3155.7 -26.55 143.16
 102.84 4 43 17 3097.77 -24.04 102.60 39.87 70.02 5 34 55 2497.8 -26.54 94.61
 110.00 7 23 36 2597.61 -33.13 67.17 42.54 81.06 8 6 54 1997.6 -34.01 58.04
 110.00 3 37 33 3303.86 -15.56 113.95 35.60 59.17 4 32 37 2703.9 -19.53 107.08

DIFFERENTIAL CORRECTIONS

TDE .1661 TRA .3307 TC3 -.9148 BAU .4284
 RDE -.4130 RRA 2.2193 RC3-2.4379 FAU .06810
 FDE -.9841 FRA 4.0146 FC3-4.7910 BSP 14765
 BDE .4452 BRA 2.2438 BC3 2.6039 FSP -2380

MID-COURSE EXECUTION ACCURACY

SGT 938.9 SGR 4605.9 SG3 734.3
 RRT .8260 RRF .9986 RTF .8181
 SGB 4700.6 R23 .0311 R13 .9982
 SG1 4671.6 SG2 521.8 TMA 80.32

ORBIT DETERMINATION ACCURACY

ST 331.1 SR 1436.2 SS 1205.8
 CRT .1201 CRS -.9925 CST .0016
 LSA 1872.1 MSA 349.0 SSA 6.2
 EL1 1436.8 EL2 328.6 ALF 88.33

LAUNCH DATE APR 26 1967

FLIGHT TIME 178.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 474.121

RL 150.52 LAL -1.00 LOL 215.09 VL 27.371 GAL 5.19 AZL 87.49 HCA 203.89 SMA 130.86 ECC .17489 INC 2.5137 V1 29.601
 RP 107.98 LAP -1.02 LOP 58.95 VP 37.999 GAP -.31 AZP 92.30 TAL 154.04 TAP 357.93 RCA 107.97 APO 153.74 V2 35.094
 RC 81.139 GL 21.04 GP -53.36 ZAL 52.73 ZAP 90.28 ETS 1.26 ZAE 130.14 ETE 253.93 ZAC 117.34 ETC 348.24 CLP -90.46

PLANETOCENTRIC CONIC

C3 11.089 VHL 3.330 DLA 24.97 RAL 175.51 RAD 6567.4 VEL 11.510 PTH 2.00 VMP 4.569 DPA -35.13 RAP 132.63 ECC 1.1825
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 51 0 3006.31 -27.95 96.89 35.71 85.28 5 41 6 2406.3 -28.31 88.24
 90.00 0 49 58 3803.61 -12.39 149.49 31.23 64.34 1 53 22 3203.6 -15.75 142.42
 100.00 6 35 3 2670.87 -29.82 72.34 35.84 87.79 7 19 33 2070.9 -29.81 63.53
 100.00 1 48 37 3614.28 -10.73 134.72 30.36 61.93 2 48 51 3014.3 -14.40 127.86
 110.00 8 26 26 2322.37 -34.01 45.81 35.78 93.62 9 5 8 1722.4 -33.14 36.68
 110.00 2 13 43 3535.54 -7.12 126.58 28.19 56.48 3 12 39 2935.5 -11.48 120.20

DIFFERENTIAL CORRECTIONS

TDE .0537 TRA .5780 TC3-1.3669 BAU .4366
 RDE -.4466 RRA 2.0832 RC3-2.6086 FAU .07977
 FDE -1.2907 FRA 4.6183 FC3-6.2278 BSP 14404
 BDE .4498 BRA 2.1619 BC3 2.9450 FSP -2792

MID-COURSE EXECUTION ACCURACY

SGT 1428.5 SGR 4386.5 SG3 859.5
 RRT .9332 RRF .9984 RTF .9279
 SGB 4613.2 R23 .0437 R13 .9975
 SG1 4587.0 SG2 490.8 TMA 72.89

ORBIT DETERMINATION ACCURACY

ST 342.9 SR 1414.2 SS 1359.7
 CRT .6614 CRS -.9920 CST -.5618
 LSA 1969.5 MSA 295.9 SSA 7.5
 EL1 1432.9 EL2 253.8 ALF 80.59

LAUNCH DATE APR 26 1967

FLIGHT TIME 180.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 480.475

RL 150.52 LAL -1.00 LOL 215.09 VL 27.373 GAL 5.24 AZL 88.17 HCA 207.09 SMA 130.87 ECC .17521 INC 1.8323 V1 29.601
 RP 107.94 LAP -.83 LOP 62.17 VP 38.012 GAP .14 AZP 91.63 TAL 153.83 TAP .93 RCA 107.94 APO 153.80 V2 35.107
 RC 83.336 GL 15.64 GP -49.53 ZAL 50.89 ZAP 94.19 ETS 356.81 ZAE 132.46 ETE 247.18 ZAC 119.92 ETC 347.99 CLP -96.47

PLANETOCENTRIC CONIC

C3 10.456 VHL 3.234 DLA 19.87 RAL 173.50 RAD 6567.4 VEL 11.482 PTH 2.00 VMP 4.287 DPA -30.93 RAP 132.44 ECC 1.1721
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 53 28 2743.31 -27.93 77.70 31.08 94.86 6 39 12 2143.3 -26.96 69.16
 90.00 23 27 36 4042.63 -5.02 163.18 26.25 62.10 24 34 58 3442.6 -8.72 156.45
 100.00 7 27 28 2440.24 -29.19 55.26 30.94 96.74 8 8 8 1840.2 -27.95 46.67
 100.00 0 40 14 3820.93 -3.91 146.27 25.63 60.34 1 43 55 3220.9 -7.83 139.68
 110.00 9 2 51 2141.80 -32.37 31.99 30.34 101.62 9 38 33 1541.8 -30.43 23.31
 110.00 1 21 20 3692.14 -1.17 134.80 23.93 55.83 2 22 52 3092.1 -5.65 128.58

DIFFERENTIAL CORRECTIONS

TDE -.0649 TRA .8162 TC3-1.8217 BAU .4469
 RDE -.4788 RRA 1.9418 RC3-2.6276 FAU .08959
 FDE -1.6411 FRA 5.1284 FC3-7.4181 BSP 14200
 BDE .4832 BRA 2.1064 BC3 3.1973 FSP -3161

MID-COURSE EXECUTION ACCURACY

SGT 1940.7 SGR 4122.2 SG3 965.3
 RRT .9658 RRF .9981 RTF .9614
 SGB 4556.2 R23 .0561 R13 .9966
 SG1 4533.1 SG2 457.8 TMA 65.28

ORBIT DETERMINATION ACCURACY

ST 476.8 SR 1388.1 SS 1521.7
 CRT .9153 CRS -.9917 CST -.8561
 LSA 2098.8 MSA 254.4 SSA 8.8
 EL1 1456.3 EL2 183.1 ALF 72.26

LAUNCH DATE APR 26 1967

FLIGHT TIME 182.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 486.811

RL 150.52 LAL -.00 LOL 215.09 VL 27.373 GAL 5.30 AZL 88.72 MCA 210.30 SMA 130.87 ECC .17576 INC 1.2848 VI 29.601
 RP 107.91 LAP -.65 LOP 65.38 VP 38.023 GAP .58 AZP 91.11 TAL 153.59 TAP 3.89 RCA 107.87 APO 153.87 V2 35.119
 RC 85.546 GL 11.05 GP -45.91 ZAL 49.54 ZAP 98.46 ETS 353.00 ZAE 134.08 ETE 240.32 ZAC 122.43 ETC 348.10 CLP-102.20

PLANETOCENTRIC CONIC

C3 10.172 VHL 3.189 OLA 15.49 RAL 171.98 RAD 6567.4 VEL 11.470 PTH 1.99 VHP 4.099 DPA -26.95 RAP 132.06 ECC 1.1674
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 .6 31 56 2568.91 -26.29 65.21 27.50 100.91 7 14 45 1968.9 -24.52 56.99
 90.00 22 37 0 4205.94 .23 172.31 23.37 61.68 23 47 6 3605.9 -3.56 165.68
 100.00 8 1 46 2279.17 -27.35 43.65 27.26 102.57 8 39 45 1679.2 -25.34 35.42
 100.00 23 49 50 3970.91 1.17 154.51 22.85 60.13 24 56 1 3370.9 -2.81 147.99
 110.00 9 28 56 2006.45 -30.09 22.11 26.43 107.05 10 2 22 1406.5 -27.46 13.91
 110.00 0 43 6 3816.39 3.57 141.29 21.35 55.98 1 46 42 3216.4 -.91 135.08

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1924 TRA 1.0461 TC3-2.2475 BAU .4597 SGT 2445.0 SGR 3827.8 SG3 1046.8 ST 680.9 SR 1348.4 SS 1678.2
 RDE -.4988 RRA 1.7995 RC3-2.5252 FAU .09688 RRT .9789 RRF .9977 RTF .9750 CRT .9809 CRS -.9913 CST -.9471
 FDE-1.9963 FRA 5.5298 FC3-8.2457 BSP 14109 SGB 4542.1 R23 .0666 R13 .9955 LSA 2246.7 MSA 224.3 SSA 9.9
 BDE .5346 BRA 2.0815 BC3 3.3805 FSP -3454 SG1 4522.3 SG2 422.9 THA 57.67 EL1 1505.9 EL2 118.5 ALF 63.47

LAUNCH DATE APR 26 1967

FLIGHT TIME 184.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 493.130

RL 150.52 LAL -.00 LOL 215.09 VL 27.371 GAL 5.38 AZL 89.17 MCA 213.52 SMA 130.86 ECC .17655 INC .8331 VI 29.601
 RP 107.87 LAP -.46 LOP 68.60 VP 38.033 GAP 1.02 AZP 90.69 TAL 153.32 TAP 6.83 RCA 107.75 APO 153.96 V2 35.131
 RC 87.767 GL 7.16 GP -42.48 ZAL 48.54 ZAP 102.92 ETS 349.77 ZAE 135.04 ETE 233.54 ZAC 124.78 ETC 348.58 CLP-107.64

PLANETOCENTRIC CONIC

C3 10.113 VHL 3.180 OLA 11.74 RAL 170.83 RAD 6567.4 VEL 11.467 PTH 1.99 VHP 3.984 DPA -23.19 RAP 131.62 ECC 1.1664
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 0 23 2437.30 -24.28 56.10 24.98 105.04 7 41 0 1837.3 -21.97 48.19
 90.00 21 59 22 4335.24 4.39 179.54 21.71 62.00 23 11 38 3735.2 .61 172.90
 100.00 8 27 41 2155.76 -25.23 35.10 24.68 106.59 9 3 36 1555.8 -22.71 27.20
 100.00 23 14 46 4092.01 5.26 161.18 21.23 60.53 24 22 58 3492.0 1.29 154.63
 110.00 9 49 23 1900.08 -27.73 14.73 23.73 110.84 10 21 3 1300.1 -24.64 6.92
 110.00 0 13 28 3920.46 7.51 146.77 19.84 56.55 1 18 49 3320.5 3.06 140.51

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.3282 TRA 1.2667 TC3-2.6240 BAU .4756 SGT 2927.2 SGR 3516.2 SG3 1101.4 ST 917.2 SR 1290.8 SS 1819.1
 RDE -.5044 RRA 1.6588 RC3-2.3430 FAU .10143 RRT .9851 RRF .9970 RTF .9816 CRT .9966 CRS -.9907 CST -.9766
 FDE-2.3285 FRA 5.8123 FC3-8.6830 BSP 14169 SGB 4575.2 R23 .0736 R13 .9943 LSA 2403.1 MSA 203.6 SSA 11.0
 BDE .6017 BRA 2.0872 BC3 3.5178 FSP -3662 SG1 4558.7 SG2 388.0 THA 50.30 EL1 1582.3 EL2 61.3 ALF 54.64

LAUNCH DATE APR 26 1967

FLIGHT TIME 186.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 499.430

RL 150.52 LAL -.00 LOL 215.09 VL 27.368 GAL 5.47 AZL 89.55 MCA 216.74 SMA 130.83 ECC .17758 INC .4514 VI 29.601
 RP 107.83 LAP -.27 LOP 71.82 VP 38.041 GAP 1.47 AZP 90.36 TAL 153.01 TAP 9.75 RCA 107.60 APO 154.06 V2 35.143
 RC 89.996 GL 3.85 GP -39.24 ZAL 47.75 ZAP 107.44 ETS 347.06 ZAE 135.39 ETE 227.08 ZAC 126.90 ETC 349.43 CLP-112.77

PLANETOCENTRIC CONIC

C3 10.213 VHL 3.196 OLA 8.50 RAL 169.98 RAD 6567.4 VEL 11.472 PTH 1.99 VHP 3.927 DPA -19.67 RAP 131.19 ECC 1.1681
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 23 12 2333.01 -22.26 49.13 23.29 107.97 8 2 5 1733.0 -19.59 41.47
 90.00 21 29 45 4443.46 7.81 185.65 20.85 62.70 22 43 49 3843.5 4.09 178.94
 100.00 8 48 40 2057.35 -23.15 28.52 22.96 109.46 9 22 58 1457.4 -20.28 20.90
 100.00 22 46 58 4194.35 8.65 166.88 20.40 61.27 23 56 53 3594.4 4.75 160.27
 110.00 10 6 19 1814.35 -25.52 9.05 21.93 113.55 10 36 34 1214.4 -22.12 1.55
 110.00 23 45 49 4010.12 10.84 151.58 19.08 57.38 24 52 39 3410.1 6.46 145.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.4706 TRA 1.4780 TC3-2.9390 BAU .4946 SGT 3379.3 SGR 3200.3 SG3 1129.0 ST 1166.7 SR 1216.6 SS 1938.6
 RDE -.4967 RRA 1.5224 RC3-2.1179 FAU .10334 RRT .9883 RRF .9961 RTF .9852 CRT .9998 CRS -.9897 CST -.9877
 FDE-2.6194 FRA 5.9759 FC3-8.7594 BSP 14389 SGB 4654.2 R23 .0757 R13 .9933 LSA 2561.9 MSA 190.7 SSA 11.8
 BDE .6842 BRA 2.1219 BC3 3.6226 FSP -3783 SG1 4640.6 SG2 354.7 THA 43.42 EL1 1685.5 EL2 16.2 ALF 46.20

LAUNCH DATE APR 26 1967

FLIGHT TIME 188.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 505.709

RL 150.52 LAL -.00 LOL 215.09 VL 27.362 GAL 5.58 AZL 89.88 MCA 219.96 SMA 130.79 ECC .17883 INC .1229 VI 29.601
 RP 107.80 LAP -.08 LOP 75.04 VP 38.047 GAP 1.91 AZP 90.09 TAL 152.67 TAP 12.63 RCA 107.40 APO 154.18 V2 35.154
 RC 92.232 GL 1.04 GP -36.20 ZAL 47.10 ZAP 111.93 ETS 344.82 ZAE 135.24 ETE 221.12 ZAC 128.74 ETC 350.61 CLP-117.57

PLANETOCENTRIC CONIC

C3 10.433 VHL 3.230 OLA 5.70 RAL 169.37 RAD 6567.4 VEL 11.481 PTH 2.00 VHP 3.917 DPA -16.41 RAP 130.85 ECC 1.1717
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 42 26 2248.16 -20.37 43.62 22.25 110.11 8 19 54 1648.2 -17.45 36.16
 90.00 21 5 41 4536.88 10.69 191.01 20.56 63.62 22 21 18 3936.9 7.06 184.21
 100.00 9 6 28 1977.10 -21.23 23.33 21.90 111.55 9 39 25 1377.1 -18.12 15.92
 100.00 22 24 20 4283.18 11.51 171.92 20.13 62.22 23 35 43 3683.2 7.71 165.20
 110.00 10 20 54 1744.17 -23.54 4.56 20.81 115.54 10 49 58 1144.2 -19.90 357.31
 110.00 23 26 24 4088.87 13.69 155.90 18.86 58.37 24 34 33 3488.9 9.41 149.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.6163 TRA 1.6818 TC3-3.1836 BAU .5150 SGT 3796.5 SGR 2891.0 SG3 1131.9 ST 1417.0 SR 1127.4 SS 2030.4
 RDE -.4760 RRA 1.3951 RC3-1.8705 FAU .10247 RRT .9898 RRF .9949 RTF .9872 CRT .9993 CRS -.9880 CST -.9927
 FDE-2.8486 FRA 6.0393 FC3-8.5033 BSP 14700 SGB 4771.9 R23 .0727 R13 .9924 LSA 2714.3 MSA 183.2 SSA 12.5
 BDE .7787 BRA 2.1851 BC3 3.6924 FSP -3804 SG1 4760.6 SG2 327.7 THA 37.21 EL1 1810.4 EL2 32.6 ALF 38.50

LAUNCH DATE APR 26 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 511.968

RL 150.52 LAL -.00 LOL 215.09 VL 27.355 GAL 5.70 AZL 90.16 HCA 223.18 SMA 130.74 ECC .18032 INC .1633 VI 29.601
 RP 107.77 LAP .11 LOP 78.27 VP 38.052 GAP 2.35 AZP 89.88 TAL 152.29 TAP 15.48 RCA 107.17 APO 154.32 V2 35.165
 RC 94.474 GL -1.36 GP -33.38 ZAL 46.52 ZAP 116.29 ETS 342.98 ZAE 134.70 ETE 215.79 ZAC 130.27 ETC 352.05 CLP-122.03

PLANETOCENTRIC CONIC

C3 10.750 VML 3.279 DLA 3.27 RAL 168.97 RAD 6567.4 VEL 11.495 PTH 2.00 VMP 3.946 OPA -13.41 RAP 130.64 ECC 1.1769
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 59 9 2178.01 -18.66 39.18 21.71 111.69 8 35 27 1578.0 -15.56 31.88
 90.00 20 45 44 4619.19 13.13 195.82 20.71 64.69 22 2 43 4019.2 9.62 188.90
 100.00 9 22 1 1910.72 -19.52 19.15 21.34 113.10 9 53 52 1310.7 -16.22 11.91
 100.00 22 5 33 4361.71 13.96 176.47 20.30 63.30 23 18 15 3761.7 10.27 169.63
 110.00 10 33 46 1686.16 -21.79 .97 20.20 117.01 11 1 52 1086.2 -17.99 353.90
 110.00 23 10 18 4159.04 16.16 159.84 19.05 59.46 24 19 37 3559.0 11.99 153.22

DIFFERENTIAL CORRECTIONS

TDE -.7661 TRA 1.8758 TC3-3.3691 BAU .5382
 ROE -.4488 RRA 1.2755 RC3-1.6351 FAU .10003
 FDE-3.0284 FRA 6.0046 FC3-8.0559 BSP 15192
 BDE .8879 BRA 2.2684 BC3 3.7450 FSP -3775

MID-COURSE EXECUTION ACCURACY

SGT 4177.7 SGR 2597.9 SG3 1114.4
 RRT .9904 RRF .9931 RTF .9884
 SGB 4919.6 R23 .0645 R13 .9917
 SG1 4910.1 SG2 305.7 TMA 31.77

ORBIT DETERMINATION ACCURACY

ST 1663.4 SR 1031.9 SS 2101.1
 CRT .9973 CRS -.9857 CST -.9952
 LSA 2866.0 MSA 179.6 SSA 12.9
 EL1 1956.4 EL2 63.9 ALF 31.78

LAUNCH DATE APR 26 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 518.204

RL 150.52 LAL -.00 LOL 215.09 VL 27.347 GAL 5.83 AZL 90.42 HCA 226.41 SMA 130.68 ECC .18205 INC .4178 VI 29.601
 RP 107.73 LAP .30 LOP 81.49 VP 38.056 GAP 2.79 AZP 89.71 TAL 151.89 TAP 18.30 RCA 106.89 APO 154.48 V2 35.175
 RC 96.719 GL -3.41 GP -30.77 ZAL 45.99 ZAP 120.48 ETS 341.47 ZAE 133.87 ETE 211.14 ZAC 131.44 ETC 353.69 CLP-126.18

PLANETOCENTRIC CONIC

C3 11.152 VML 3.340 DLA 1.14 RAL 168.74 RAD 6567.4 VEL 11.513 PTH 2.01 VMP 4.009 OPA -10.69 RAP 130.58 ECC 1.1835
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 14 4 2119.43 -17.15 35.55 21.57 112.88 8 49 23 1519.4 -13.91 28.37
 90.00 20 28 59 4692.84 15.23 200.20 21.21 65.84 21 47 11 4092.8 11.84 193.17
 100.00 9 35 56 1855.34 -18.00 15.74 21.18 114.27 10 6 51 1255.3 -14.57 8.62
 100.00 21 49 47 4432.16 16.07 180.63 20.80 64.45 23 3 40 3832.2 12.50 173.66
 110.00 10 45 23 1637.93 -20.27 358.05 20.00 118.13 11 12 41 1037.9 -16.35 351.12
 110.00 22 56 49 4222.34 18.31 163.48 19.58 60.62 24 7 11 3622.3 14.26 156.71

DIFFERENTIAL CORRECTIONS

TDE -.9169 TRA 2.0635 TC3-3.4941 BAU .5620
 ROE -.4151 RRA 1.1672 RC3-1.4140 FAU .09599
 FDE-3.1491 FRA 5.9012 FC3-7.4515 BSP 15756
 BDE 1.0065 BRA 2.3707 BC3 3.7694 FSP -3686

MID-COURSE EXECUTION ACCURACY

SGT 4523.2 SGR 2326.1 SG3 1080.9
 RRT .9900 RRF .9907 RTF .9891
 SGB 5086.3 R23 .0523 R13 .9911
 SG1 5077.9 SG2 291.8 TMA 27.08

ORBIT DETERMINATION ACCURACY

ST 1899.5 SR 932.3 SS 2147.4
 CRT .9943 CRS -.9823 CST -.9966
 LSA 3009.4 MSA 178.5 SSA 13.2
 EL1 2114.0 EL2 89.5 ALF 26.06

LAUNCH DATE APR 26 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 524.418

RL 150.52 LAL -.00 LOL 215.09 VL 27.337 GAL 5.99 AZL 90.65 HCA 229.64 SMA 130.62 ECC .18401 INC .6466 VI 29.601
 RP 107.70 LAP .49 LOP 84.72 VP 38.058 GAP 3.23 AZP 89.58 TAL 151.45 TAP 21.09 RCA 106.58 APO 154.65 V2 35.185
 RC 98.967 GL -5.16 GP -28.38 ZAL 45.46 ZAP 124.45 ETS 340.22 ZAE 132.85 ETE 207.14 ZAC 132.27 ETC 355.45 CLP-130.02

PLANETOCENTRIC CONIC

C3 11.634 VML 3.411 DLA -.73 RAL 168.65 RAD 6567.4 VEL 11.533 PTH 2.01 VMP 4.100 OPA -8.25 RAP 130.69 ECC 1.1915
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 27 35 2070.23 -15.82 32.54 21.75 113.79 9 2 5 1470.2 -12.48 25.47
 90.00 20 14 47 4759.57 17.05 204.26 21.98 67.04 21 34 6 4159.6 13.79 197.10
 100.00 9 48 35 1808.94 -16.68 12.92 21.34 115.17 10 18 44 1208.9 -13.15 5.91
 100.00 21 36 28 4496.10 17.91 184.49 21.59 65.66 22 51 24 3896.1 14.47 177.38
 110.00 10 56 3 1597.76 -18.96 355.67 20.12 118.99 11 22 41 997.8 -14.95 348.85
 110.00 22 45 29 4280.04 20.21 166.89 20.39 61.82 23 56 49 3680.0 16.28 159.97

DIFFERENTIAL CORRECTIONS

TDE-1.0683 TRA 2.2463 TC3-3.5647 BAU .5857
 ROE -.3777 RRA 1.0704 RC3-1.2141 FAU .09083
 FDE-3.2186 FRA 5.7482 FC3-6.7590 BSP 16365
 BDE 1.1331 BRA 2.4883 BC3 3.7658 FSP -3553

MID-COURSE EXECUTION ACCURACY

SGT 4834.7 SGR 2079.0 SG3 1035.9
 RRT .9888 RRF .9875 RTF .9895
 SGB 5262.8 R23 .0380 R13 .9906
 SG1 5255.0 SG2 285.6 TMA 23.11

ORBIT DETERMINATION ACCURACY

ST 2123.1 SR 833.2 SS 2173.2
 CRT .9900 CRS -.9774 CST -.9974
 LSA 3145.2 MSA 178.9 SSA 13.4
 EL1 2278.1 EL2 109.8 ALF 21.28

LAUNCH DATE APR 26 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 530.608

RL 150.52 LAL -.00 LOL 215.09 VL 27.326 GAL 6.16 AZL 90.85 HCA 232.87 SMA 130.54 ECC .18622 INC .8547 VI 29.601
 RP 107.67 LAP .68 LOP 87.95 VP 38.059 GAP 3.68 AZP 89.48 TAL 150.98 TAP 23.85 RCA 106.23 APO 154.85 V2 35.195
 RC 101.218 GL -6.67 GP -26.21 ZAL 44.93 ZAP 128.19 ETS 339.17 ZAE 131.73 ETE 203.76 ZAC 132.76 ETC 357.24 CLP-133.57

PLANETOCENTRIC CONIC

C3 12.192 VML 3.492 DLA -2.38 RAL 168.70 RAD 6567.5 VEL 11.558 PTH 2.02 VMP 4.215 OPA -6.08 RAP 130.97 ECC 1.2007
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 40 1 2028.85 -14.67 30.05 22.20 114.49 9 13 49 1428.9 -11.24 23.05
 90.00 20 2 41 4820.66 18.63 208.05 22.99 68.28 21 23 2 4220.7 15.52 200.75
 100.00 10 0 15 1770.04 -15.54 10.60 21.78 115.86 10 29 45 1170.0 -11.94 3.66
 100.00 21 25 9 4554.71 19.52 188.10 22.61 66.90 22 41 3 3954.7 16.22 180.86
 110.00 11 5 56 1564.38 -17.85 353.72 20.51 119.65 11 32 1 964.4 -13.77 346.99
 110.00 22 35 56 4333.13 21.88 170.10 21.43 63.06 23 48 9 3733.1 18.09 163.02

DIFFERENTIAL CORRECTIONS

TDE-1.2191 TRA 2.4265 TC3-3.5868 BAU .6086
 ROE -.3379 RRA .9852 RC3-1.0374 FAU .08493
 FDE-3.2420 FRA 5.5646 FC3-6.0303 BSP 16988
 BDE 1.2651 BRA 2.6189 BC3 3.7338 FSP -3389

MID-COURSE EXECUTION ACCURACY

SGT 5114.4 SGR 1857.5 SG3 983.4
 RRT .9865 RRF .9832 RTF .9896
 SGB 5441.3 R23 .0236 R13 .9903
 SG1 5433.7 SG2 286.1 TMA 19.77

ORBIT DETERMINATION ACCURACY

ST 2331.7 SR 737.2 SS 2179.9
 CRT .9838 CRS -.9706 CST -.9980
 LSA 3271.0 MSA 180.3 SSA 13.5
 EL1 2442.2 EL2 126.2 ALF 17.33

LAUNCH DATE APR 26 1967 FLIGHT TIME 198.00 ARRIVAL DATE NOV 10 1967

MELIOCENTRIC CONIC
 RL 150.52 LAL -.00 LOL 215.09 VL 27.314 GAL 6.35 AZL 91.05 MCA 236.10 SMA 130.45 ECC .18868 INC 1.0457 V1 29.601
 RP 107.65 LAP .87 LOP 91.18 VP 38.058 GAP 4.13 AZP 89.42 TAL 150.48 TAP 26.59 RCA 105.84 APO 155.07 V2 35.204
 RC 103.470 GL -7.95 GP -24.25 ZAL 44.39 ZAP 131.70 ETS 338.27 ZAE 130.57 ETE 200.92 ZAC 132.94 ETC 359.01 CLP-136.85

PLANETOCENTRIC CONIC
 C3 12.829 VHL 3.582 DLA -3.85 RAL 168.85 RAD 6567.5 VEL 11.585 PTH 2.03 VMP 4.352 DPA -4.16 RAP 131.42 ECC 1.2111
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 51 33 1994.11 -13.68 27.98 22.88 115.04 9 24 47 1394.1 -10.19 21.04
 90.00 19 52 22 4877.10 20.01 211.61 24.21 69.54 21 13 40 4277.1 17.05 204.19
 100.00 10 11 6 1737.52 -14.56 8.68 22.44 116.40 10 40 3 1137.5 -10.90 1.80
 100.00 21 15 31 4608.92 20.93 191.51 23.83 68.15 22 32 20 4008.9 17.78 184.13
 110.00 11 15 13 1536.81 -16.91 352.13 21.13 120.16 11 40 49 936.8 -12.78 345.46
 110.00 22 27 54 4382.39 23.37 173.15 22.67 64.31 23 40 56 3782.4 19.72 165.91

MID-COURSE EXECUTION ACCURACY
 SGT 5364.1 SGR 1660.9 SG3 926.6
 RRT .9829 RRF .9776 RTF .9896
 SGB 5615.3 R23 .0110 R13 .9899
 SGI 5607.7 SG2 292.4 TMA 16.97

ORBIT DETERMINATION ACCURACY
 ST 2522.2 SR 645.9 SS 2168.3
 CRT .9747 CRS -.9605 CST -.9984
 LSA 3383.3 MSA 182.4 SSA 13.7
 EL1 2599.8 EL2 140.1 ALF 14.06

DIFFERENTIAL CORRECTIONS
 TDE-1.3670 TRA 2.6083 TC3-3.5601 BAU .6290
 RDE -.2963 RRA .9115 RC3 -.8807 FAU .07831
 FDE-3.2223 FRA 5.3693 FC3-5.2845 BSP 17542
 BOE 1.3987 BRA 2.7629 BC3 3.6674 FSP -3192

LAUNCH DATE APR 26 1967 FLIGHT TIME 200.00 ARRIVAL DATE NOV 12 1967

MELIOCENTRIC CONIC
 RL 150.52 LAL -.00 LOL 215.09 VL 27.300 GAL 6.55 AZL 91.22 MCA 239.34 SMA 130.36 ECC .19139 INC 1.2229 V1 29.601
 RP 107.62 LAP 1.05 LOP 94.42 VP 38.056 GAP 4.59 AZP 89.38 TAL 149.96 TAP 29.29 RCA 105.41 APO 155.31 V2 35.212
 RC 105.723 GL -9.05 GP -22.48 ZAL 43.82 ZAP 134.97 ETS 337.49 ZAE 129.41 ETE 198.54 ZAC 132.82 ETC .71 CLP-139.90

PLANETOCENTRIC CONIC
 C3 13.546 VHL 3.680 DLA -5.15 RAL 169.10 RAD 6567.5 VEL 11.616 PTH 2.04 VMP 4.508 DPA -2.49 RAP 132.03 ECC 1.2229
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 2 22 1965.12 -12.84 26.27 23.75 115.46 9 35 7 1365.1 -9.31 19.37
 90.00 19 43 34 4929.63 21.23 214.98 25.59 70.81 21 5 44 4329.6 18.41 207.44
 100.00 10 21 17 1710.55 -13.74 7.10 23.30 116.81 10 49 47 1110.6 -10.04 .27
 100.00 21 7 20 4659.43 22.17 194.74 25.23 69.42 22 25 0 4059.4 19.17 187.23
 110.00 11 23 57 1514.31 -16.14 350.85 21.94 120.55 11 49 12 914.3 -11.96 344.23
 110.00 22 21 9 4428.44 24.69 176.07 24.09 65.58 23 34 57 3828.4 21.19 168.68

MID-COURSE EXECUTION ACCURACY
 SGT 5589.0 SGR 1488.3 SG3 868.8
 RRT .9780 RRF .9704 RTF .9894
 SGB 5783.7 R23 -.0005 R13 .9895
 SGI 5775.9 SG2 300.5 TMA 14.64

ORBIT DETERMINATION ACCURACY
 ST 2700.8 SR 563.2 SS 2149.2
 CRT .9619 CRS -.9465 CST -.9986
 LSA 3492.3 MSA 184.6 SSA 13.7
 EL1 2754.8 EL2 151.0 ALF 11.38

DIFFERENTIAL CORRECTIONS
 TDE-1.5174 TRA 2.7876 TC3-3.5088 BAU .6498
 RDE -.2564 RRA .8464 RC3 -.7509 FAU .07203
 FDE-3.1848 FRA 5.1600 FC3-4.6036 BSP 18162
 BOE 1.5389 BRA 2.9133 BC3 3.5883 FSP -3007

LAUNCH DATE APR 26 1967 FLIGHT TIME 202.00 ARRIVAL DATE NOV 14 1967

MELIOCENTRIC CONIC
 RL 150.52 LAL -.00 LOL 215.09 VL 27.286 GAL 6.78 AZL 91.39 MCA 242.57 SMA 130.26 ECC .19438 INC 1.3886 V1 29.601
 RP 107.60 LAP 1.23 LOP 97.65 VP 38.053 GAP 5.05 AZP 89.36 TAL 149.40 TAP 31.98 RCA 104.94 APO 155.58 V2 35.220
 RC 107.975 GL -9.98 GP -20.88 ZAL 43.23 ZAP 138.03 ETS 336.76 ZAE 128.28 ETE 196.55 ZAC 132.45 ETC 2.29 CLP-142.72

PLANETOCENTRIC CONIC
 C3 14.350 VHL 3.788 DLA -6.31 RAL 169.44 RAD 6567.6 VEL 11.651 PTH 2.05 VMP 4.682 DPA -1.05 RAP 132.81 ECC 1.2362
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 12 32 1941.20 -12.14 24.87 24.80 115.78 9 44 53 1341.2 -8.57 18.00
 90.00 19 36 4 4978.87 22.29 218.20 27.14 72.07 20 59 3 4378.9 19.64 210.54
 100.00 10 30 53 1688.47 -13.06 5.81 24.33 117.13 10 59 1 1088.5 -9.32 359.02
 100.00 21 0 25 4706.83 23.27 197.84 26.78 70.69 22 18 52 4106.8 20.43 190.20
 110.00 11 32 16 1496.29 -15.51 349.83 22.93 120.85 11 57 12 896.3 -11.31 343.24
 110.00 22 15 31 4471.78 25.88 178.87 25.66 66.85 23 30 3 3871.8 22.53 171.33

MID-COURSE EXECUTION ACCURACY
 SGT 5789.9 SGR 1337.3 SG3 811.4
 RRT .9713 RRF .9612 RTF .9892
 SGB 5942.4 R23 -.0099 R13 .9892
 SGI 5934.3 SG2 310.4 TMA 12.68

ORBIT DETERMINATION ACCURACY
 ST 2863.6 SR 488.0 SS 2119.9
 CRT .9432 CRS -.9264 CST -.9988
 LSA 3591.2 MSA 187.0 SSA 13.7
 EL1 2900.4 EL2 160.0 ALF 9.16

DIFFERENTIAL CORRECTIONS
 TDE-1.6668 TRA 2.9698 TC3-3.4278 BAU .6690
 RDE -.2172 RRA .7900 RC3 -.6401 FAU .06580
 FDE-3.1254 FRA 4.9524 FC3-3.9699 BSP 18748
 BOE 1.6809 BRA 3.0730 BC3 3.4871 FSP -2820

LAUNCH DATE APR 26 1967 FLIGHT TIME 204.00 ARRIVAL DATE NOV 16 1967

MELIOCENTRIC CONIC
 RL 150.52 LAL -.00 LOL 215.09 VL 27.271 GAL 7.02 AZL 91.55 MCA 245.81 SMA 130.15 ECC .19765 INC 1.5450 V1 29.601
 RP 107.58 LAP 1.41 LOP 100.89 VP 38.049 GAP 5.52 AZP 89.37 TAL 148.82 TAP 34.64 RCA 104.43 APO 155.88 V2 35.227
 RC 110.226 GL -10.77 GP -19.46 ZAL 42.62 ZAP 140.87 ETS 336.08 ZAE 127.21 ETE 194.88 ZAC 131.85 ETC 3.73 CLP-145.36

PLANETOCENTRIC CONIC
 C3 15.247 VHL 3.903 DLA -7.35 RAL 169.85 RAD 6567.6 VEL 11.689 PTH 2.06 VMP 4.871 DPA .19 RAP 133.72 ECC 1.2509
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 22 9 1921.79 -11.56 23.73 26.00 116.03 9 54 11 1321.8 -7.97 16.90
 90.00 19 29 43 5025.32 23.23 221.28 28.82 73.34 20 53 29 4425.3 20.73 213.50
 100.00 10 39 58 1670.75 -12.51 4.78 25.51 117.37 11 7 49 1070.7 -8.74 358.02
 100.00 20 54 35 4751.59 24.25 200.80 28.47 71.96 22 13 47 4151.6 21.56 193.04
 110.00 11 40 10 1482.28 -15.02 349.04 24.06 121.07 12 4 52 882.3 -10.79 342.48
 110.00 22 10 53 4512.83 26.95 181.59 27.38 68.14 23 26 6 3912.8 23.75 173.89

MID-COURSE EXECUTION ACCURACY
 SGT 5969.7 SGR 1203.7 SG3 755.7
 RRT .9625 RRF .9498 RTF .9889
 SGB 6090.2 R23 -.0175 R13 .9888
 SGI 6081.7 SG2 321.1 TMA 11.03

ORBIT DETERMINATION ACCURACY
 ST 3011.6 SR 421.2 SS 2083.5
 CRT .9159 CRS -.8973 CST -.9990
 LSA 3681.3 MSA 189.3 SSA 13.8
 EL1 3036.3 EL2 167.7 ALF 7.32

DIFFERENTIAL CORRECTIONS
 TDE-1.8161 TRA 3.1561 TC3-3.3223 BAU .6863
 RDE -.1790 RRA .7413 RC3 -.5460 FAU .05974
 FDE-3.0516 FRA 4.7520 FC3-3.3923 BSP 19292
 BOE 1.8249 BRA 3.2420 BC3 3.3668 FSP -2634

LAUNCH DATE APR 26 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 561.150

RL 150.52 LAL -1.00 LOL 215.09 VL 27.255 GAL 7.28 AZL 91.69 MCA 249.05 SMA 130.04 ECC .20121 INC 1.6936 V1 29.601
 RP 107.56 LAP -1.58 LOP 104.13 VP 38.043 GAP 6.00 A7P 89.39 TAL 148.22 TAP 37.27 RCA 103.88 APO 156.21 V2 35.233
 RC 112.475 GL -11.43 GP -18.17 ZAL 41.98 ZAP 143.52 ETS 335.40 ZAE 126.19 ETE 193.48 ZAC 131.05 ETC 5.03 CLP-147.82

PLANETOCENTRIC CONIC

C3 16.246 VML 4.031 OLA -8.27 RAL 170.32 RAD 6567.7 VEL 11.732 PTH 2.07 VMP 5.076 DPA 1.23 RAP 134.77 ECC 1.2674
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 31 16 1906.49 -11.10 22.84 27.33 116.22 10 3 3 1306.5 -7.49 16.03
 90.00 19 24 23 5069.37 24.06 224.24 30.63 74.60 20 48 52 4469.4 21.72 216.36
 100.00 10 48 37 1656.99 -12.08 3.99 26.82 117.55 11 16 14 1037.0 -8.29 357.25
 100.00 20 49 44 4794.10 25.11 203.66 30.29 73.23 22 9 38 4194.1 22.58 195.78
 110.00 11 47 43 1471.91 -14.65 348.45 25.33 121.23 12 12 15 871.9 -10.41 341.92
 110.00 22 7 7 4551.95 27.92 184.22 29.23 69.42 23 22 58 3951.9 24.86 176.38

DIFFERENTIAL CORRECTIONS

TDE-1.9652 TRA 3.3481 TC3-3.1974 BAU .7018
 RDE -.1420 RRA .6991 RC3 -.4663 FAU .05397
 FDE-2.9681 FRA 4.5617 FC3-2.8759 BSP 19801
 BOE 1.9703 BRA 3.4203 BC3 3.2312 FSP -2455

MID-COURSE EXECUTION ACCURACY

SGT 6130.1 SGR 1091.0 SG3 702.5
 RRT .9512 RRF .9359 RTF .9886
 SGB 6226.4 R23 -.0235 R13 .9884
 SG1 6217.6 SG2 331.8 TMA 9.64

ORBIT DETERMINATION ACCURACY

ST 3145.1 SR 362.8 SS 2041.7
 CRT .8758 CRS -.8553 CST -.9991
 LSA 3762.2 MSA 191.7 SSA 13.8
 EL1 3161.1 EL2 174.2 ALF 5.79

LAUNCH DATE APR 26 1967

FLIGHT TIME 208.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 567.164

RL 150.52 LAL -1.00 LOL 215.09 VL -27.238 GAL 7.57 AZL 91.84 MCA 252.29 SMA 129.92 ECC .20508 INC 1.8360 V1 29.601
 RP 107.54 LAP 1.75 LOP 107.37 VP 38.036 GAP 6.48 A7P 89.44 TAL 147.60 TAP 39.89 RCA 103.28 APO 156.57 V2 35.239
 RC 114.720 GL -11.98 GP -17.03 ZAL 41.32 ZAP 146.00 ETS 334.70 ZAE 125.24 ETE 192.30 ZAC 130.08 ETC 6.19 CLP-150.12

PLANETOCENTRIC CONIC

C3 17.359 VML 4.166 OLA -9.10 RAL 170.85 RAD 6567.7 VEL 11.779 PTH 2.08 VMP 5.296 DPA 2.10 RAP 135.94 ECC 1.2857
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 39 56 1894.93 -10.75 22.17 28.78 116.35 10 11 31 1294.9 -7.12 15.37
 90.00 19 19 57 5111.36 24.79 227.10 32.55 75.86 20 45 8 4511.4 22.60 219.12
 100.00 10 56 50 1646.86 -11.76 3.41 28.26 117.68 11 24 17 1046.9 -7.96 356.68
 100.00 20 45 44 4834.67 25.88 206.43 32.23 74.50 22 6 19 4234.7 23.50 198.44
 110.00 11 54 57 1464.88 -14.41 348.06 26.72 121.34 12 19 22 864.9 -10.15 341.54
 110.00 22 4 6 4589.41 28.79 186.79 31.21 70.72 23 20 36 3989.4 25.89 178.81

DIFFERENTIAL CORRECTIONS

TDE-2.1123 TRA 3.5502 TC3-3.0513 BAU .7141
 RDE -.1056 RRA .6629 RC3 -.3973 FAU .04832
 FDE-2.8745 FRA 4.3878 FC3-2.4096 BSP 20202
 BOE 2.1149 BRA 3.6116 BC3 3.0771 FSP -2275

MID-COURSE EXECUTION ACCURACY

SGT 6273.0 SGR 991.5 SG3 652.3
 RRT .9371 RRF .9192 RTF .9882
 SGB 6350.9 R23 -.0277 R13 .9880
 SG1 6341.6 SG2 342.3 TMA 8.45

ORBIT DETERMINATION ACCURACY

ST 3262.5 SR 312.9 SS 1993.9
 CRT .8165 CRS -.7939 CST -.9992
 LSA 3831.4 MSA 194.1 SSA 13.8
 EL1 3272.5 EL2 180.1 ALF 4.49

LAUNCH DATE APR 26 1967

FLIGHT TIME 210.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 573.140

RL 150.52 LAL -1.00 LOL 215.09 VL 27.220 GAL 7.88 AZL 91.97 MCA 255.54 SMA 129.80 ECC .20929 INC 1.9734 V1 29.601
 RP 107.52 LAP 1.91 LOP 110.61 VP 38.028 GAP 6.98 A7P 89.51 TAL 146.95 TAP 42.49 RCA 102.64 APO 156.97 V2 35.244
 RC 116.961 GL -12.43 GP -15.99 ZAL 40.64 ZAP 148.32 ETS 333.96 ZAE 124.35 ETE 191.29 ZAC 128.96 ETC 7.20 CLP-152.29

PLANETOCENTRIC CONIC

C3 18.598 VML 4.312 OLA -9.84 RAL 171.43 RAD 6567.8 VEL 11.831 PTH 2.10 VMP 5.529 DPA 2.82 RAP 137.21 ECC 1.3061
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 48 10 1886.85 -10.51 21.70 30.35 116.45 10 19 37 1286.8 -6.87 14.91
 90.00 19 16 19 5151.58 25.43 229.88 34.58 77.11 20 42 10 4551.6 23.40 221.79
 100.00 11 4 40 1640.09 -11.54 3.02 29.81 117.77 11 32 0 1040.1 -7.74 356.30
 100.00 20 42 31 4873.57 26.56 209.12 34.28 75.76 22 3 44 4273.6 24.34 201.03
 110.00 12 1 52 1460.95 -14.27 347.84 28.22 121.40 12 26 13 860.9 -10.01 341.33
 110.00 22 1 48 4625.48 29.57 189.30 33.29 72.02 23 18 53 4025.5 26.83 181.19

DIFFERENTIAL CORRECTIONS

TDE-2.2638 TRA 3.7571 TC3-2.9008 BAU .7262
 RDE -.0712 RRA .6307 RC3 -.3402 FAU .04325
 FDE-2.7846 FRA 4.2218 FC3-2.0134 BSP 20652
 BOE 2.2649 BRA 3.8096 BC3 2.9206 FSP -2117

MID-COURSE EXECUTION ACCURACY

SGT 6401.0 SGR 904.7 SG3 605.5
 RRT .9200 RRF .8993 RTF .9879
 SGB 6464.6 R23 -.0314 R13 .9877
 SG1 6455.0 SG2 351.6 TMA 7.43

ORBIT DETERMINATION ACCURACY

ST 3370.7 SR 272.3 SS 1946.8
 CRT .7334 CRS -.7087 CST -.9993
 LSA 3897.1 MSA 196.1 SSA 13.7
 EL1 3376.6 EL2 184.8 ALF 3.40

LAUNCH DATE APR 26 1967

FLIGHT TIME 212.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 579.076

RL 150.52 LAL -1.00 LOL 215.09 VL 27.202 GAL 8.21 AZL 92.11 MCA 258.78 SMA 129.68 ECC .21385 INC 2.1068 V1 29.601
 RP 107.51 LAP 2.07 LOP 113.86 VP 38.019 GAP 7.49 A7P 89.59 TAL 146.29 TAP 45.07 RCA 101.95 APO 157.41 V2 35.248
 RC 119.197 GL -12.79 GP -15.07 ZAL 39.94 ZAP 150.50 ETS 335.15 ZAE 123.53 ETE 190.44 ZAC 127.71 ETC 8.08 CLP-154.33

PLANETOCENTRIC CONIC

C3 19.977 VML 4.470 OLA -10.51 RAL 172.04 RAD 6567.8 VEL 11.889 PTH 2.11 VMP 5.778 DPA 3.39 RAP 138.58 ECC 1.3288
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 56 0 1882.02 -10.36 21.43 32.01 116.50 10 27 22 1282.0 -6.72 14.64
 90.00 19 13 25 5190.24 25.99 232.57 36.71 78.35 20 39 55 4590.2 24.12 224.40
 100.00 11 12 7 1636.46 -11.43 2.81 31.45 117.81 11 39 23 1036.5 -7.62 356.10
 100.00 20 39 59 4911.03 27.16 211.75 36.42 77.01 22 1 50 4311.0 25.10 203.55
 110.00 12 8 30 1459.91 -14.23 347.78 29.82 121.41 12 32 50 859.9 -9.97 341.28
 110.00 22 0 6 4660.35 30.28 191.77 35.48 73.32 23 17 46 4060.3 27.70 183.53

DIFFERENTIAL CORRECTIONS

TDE-2.4165 TRA 3.9742 TC3-2.7413 BAU .7363
 RDE -.0378 RRA .6025 RC3 -.2914 FAU .03853
 FDE-2.6939 FRA 4.0697 FC3-1.6699 BSP 21054
 BOE 2.4168 BRA 4.0196 BC3 2.7567 FSP -1968

MID-COURSE EXECUTION ACCURACY

SGT 6515.2 SGR 829.0 SG3 562.0
 RRT .8996 RRF .8761 RTF .9875
 SGB 6567.7 R23 -.0341 R13 .9873
 SG1 6557.8 SG2 359.7 TMA 6.55

ORBIT DETERMINATION ACCURACY

ST 3466.6 SR 240.7 SS 1898.3
 CRT .6196 CRS -.5931 CST -.9994
 LSA 3954.7 MSA 197.9 SSA 13.7
 EL1 3469.8 EL2 188.8 ALF 2.47

LAUNCH DATE APR 26 1967

FLIGHT TIME 214.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 584.967

RL 150.52 LAL -.00 LOL 215.09 VL 27.183 GAL 8.57 AZL 92.24 HCA 262.02 SMA 129.55 ECC .21878 INC 2.2374 V1 29.601
 RP 107.50 LAP 2.22 LOP 117.10 VP 38.009 GAP 8.02 AZP 89.69 TAL 145.62 TAP 47.64 RCA 101.20 APO 157.89 V2 35.252
 RC 121.426 GL -13.08 GP -14.24 ZAL 39.22 ZAP 152.54 ETS 332.27 ZAE 122.77 ETE 189.70 ZAC 126.36 ETC 8.85 CLP-156.27

PLANETOCENTRIC CONIC

C3 21.516 VHL 4.639 DLA -11.10 RAL 172.70 RAD 6567.9 VEL 11.954 PTH 2.13 VHP 6.041 DPA 3.83 RAP 140.03 ECC 1.3541
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 3 27 1880.24 -10.31 21.32 33.76 116.52 10 34 47 1280.2 -6.66 14.54
 90.00 19 11 10 5227.56 26.48 235.19 38.92 79.58 20 38 17 4627.6 24.77 226.94
 100.00 11 19 13 1635.79 -11.41 2.78 33.19 117.82 11 46 29 1035.8 -7.59 356.06
 100.00 20 38 5 4947.25 27.69 214.31 38.66 78.26 22 0 32 4347.3 25.79 206.02
 110.00 12 14 50 1461.60 -14.29 347.88 31.51 121.39 12 39 12 861.6 -10.03 341.37
 110.00 21 58 57 4694.20 30.92 194.20 37.77 74.63 23 17 11 4094.2 28.90 185.84

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5717 TRA 4.2019 TC3-2.5755 BAU .7443 SGT 6616.3 SGR 762.6 SG3 521.7 ST 3551.6 SR 218.2 SS 1849.5
 RDE -.0053 RRA .5772 RC3 -.2496 FAU .03415 RRT .8755 RRF .8494 RTF .9872 CRT .4741 CRS -.4463 CST -.9995
 FDE-2.6050 FRA 3.9304 FC3-1.3741 BSP 21424 SGB 6660.1 R23 -.0361 R13 .9870 LSA 4005.2 MSA 199.5 SSA 13.6
 BDE 2.5717 BRA 4.2414 BC3 2.5876 FSP -1830 SG1 6650.0 SG2 366.7 THA 5.78 EL1 3553.1 EL2 192.0 ALF 1.67

LAUNCH DATE APR 26 1967

FLIGHT TIME 216.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 590.809

RL 150.52 LAL -.00 LOL 215.09 VL 27.164 GAL 8.96 AZL 92.37 HCA 265.27 SMA 129.41 ECC .22413 INC 2.3658 V1 29.601
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.998 GAP 8.56 AZP 89.80 TAL 144.93 TAP 50.19 RCA 100.41 APO 158.42 V2 35.255
 RC 123.648 GL -13.28 GP -13.49 ZAL 38.50 ZAP 154.47 ETS 331.27 ZAE 122.06 ETE 189.07 ZAC 124.90 ETC 9.50 CLP-158.11

PLANETOCENTRIC CONIC

C3 23.234 VHL 4.820 DLA -11.62 RAL 173.37 RAD 6567.9 VEL 12.026 PTH 2.15 VHP 6.319 DPA 4.15 RAP 141.56 ECC 1.3824
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 10 31 1881.37 -10.34 21.39 35.61 116.51 10 41 52 1281.4 -6.70 14.60
 90.00 19 9 31 5263.71 26.90 237.76 41.23 80.79 20 37 15 4663.7 25.35 229.43
 100.00 11 25 58 1637.92 -11.47 2.90 35.01 117.79 11 53 16 1037.9 -7.66 356.18
 100.00 20 36 45 4982.39 28.15 216.82 40.98 79.51 21 59 47 4382.4 26.42 208.45
 110.00 12 20 54 1465.88 -14.44 348.12 33.29 121.32 12 45 20 865.9 -10.19 341.60
 110.00 21 58 18 4727.20 31.49 196.60 40.14 75.95 23 17 5 4127.2 29.24 188.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7257 TRA 4.4462 TC3-2.3988 BAU .7481 SGT 6705.0 SGR 704.6 SG3 484.4 ST 3622.4 SR 204.6 SS 1798.7
 RDE .0269 RRA .5549 RC3 -.2127 FAU .02988 RRT .8474 RRF .8191 RTF .9868 CRT .3018 CRS -.2738 CST -.9995
 FDE-2.5140 FRA 3.8078 FC3-1.1133 BSP 21669 SGB 6741.9 R23 -.0371 R13 .9866 LSA 4044.5 MSA 201.0 SSA 13.5
 BDE 2.7258 BRA 4.4807 BC3 2.4082 FSP -1693 SG1 6731.6 SG2 372.6 THA 5.10 EL1 3622.9 EL2 195.1 ALF .98

LAUNCH DATE APR 26 1967

FLIGHT TIME 218.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 596.596

RL 150.52 LAL -.00 LOL 215.09 VL 27.144 GAL 9.38 AZL 92.49 HCA 268.51 SMA 129.28 ECC .22992 INC 2.4931 V1 29.601
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.986 GAP 9.13 AZP 89.94 TAL 144.23 TAP 52.74 RCA 99.55 APO 159.00 V2 35.257
 RC 125.861 GL -13.43 GP -12.81 ZAL 37.77 ZAP 156.28 ETS 330.15 ZAE 121.40 ETE 188.52 ZAC 123.37 ETC 10.07 CLP-159.87

PLANETOCENTRIC CONIC

C3 25.157 VHL 5.016 DLA -12.09 RAL 174.07 RAD 6568.0 VEL 12.105 PTH 2.17 VHP 6.614 DPA 4.37 RAP 143.15 ECC 1.4140
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 17 12 1885.26 -10.46 21.61 37.52 116.46 10 48 37 1285.3 -6.82 14.82
 90.00 19 8 25 5298.82 27.25 240.26 43.60 82.00 20 36 44 4698.8 25.87 231.87
 100.00 11 32 22 1642.72 -11.63 3.17 36.91 117.73 11 59 45 1042.7 -7.82 356.45
 100.00 20 35 55 5016.59 28.55 219.28 43.38 80.75 21 59 32 4416.6 26.98 210.83
 110.00 12 26 41 1472.62 -14.68 348.49 35.14 121.22 12 51 14 872.6 -10.44 341.96
 110.00 21 58 6 4759.46 32.00 198.98 42.61 77.27 23 17 25 4159.5 29.91 190.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.8880 TRA 4.6993 TC3-2.2288 BAU .7521 SGT 6783.9 SGR 653.2 SG3 450.2 ST 3687.9 SR 198.6 SS 1751.7
 RDE .0580 RRA .5339 RC3 -.1818 FAU .02616 RRT .8154 RRF .7849 RTF .9865 CRT .1229 CRS -.0957 CST -.9996
 FDE-2.4324 FRA 3.6929 FC3 -.9001 BSP 21999 SGB 6815.2 R23 -.0380 R13 .9864 LSA 4082.6 MSA 201.9 SSA 13.4
 BDE 2.8886 BRA 4.7295 BC3 2.2362 FSP -1577 SG1 6804.8 SG2 376.9 THA 4.50 EL1 3688.0 EL2 197.1 ALF .38

LAUNCH DATE APR 26 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 602.322

RL 150.52 LAL -.00 LOL 215.09 VL 27.124 GAL 9.83 AZL 92.62 HCA 271.76 SMA 129.14 ECC .23619 INC 2.6201 V1 29.601
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.973 GAP 9.71 AZP 90.08 TAL 143.53 TAP 55.29 RCA 98.64 APO 159.64 V2 35.258
 RC 128.066 GL -13.52 GP -12.20 ZAL 37.03 ZAP 158.01 ETS 328.87 ZAE 120.78 ETE 188.04 ZAC 121.77 ETC 10.55 CLP-161.56

PLANETOCENTRIC CONIC

C3 27.314 VHL 5.226 DLA -12.49 RAL 174.79 RAD 6568.1 VEL 12.194 PTH 2.19 VHP 6.927 DPA 4.49 RAP 144.79 ECC 1.4495
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 23 31 1891.81 -10.66 21.99 39.51 116.39 10 55 3 1291.8 -7.03 15.19
 90.00 19 7 48 5333.01 27.55 242.72 46.05 83.20 20 36 41 4733.0 26.33 234.27
 100.00 11 38 26 1650.09 -11.86 3.60 38.89 117.64 12 5 56 1050.1 -8.07 356.86
 100.00 20 35 34 5049.96 28.89 221.70 45.85 81.98 21 59 44 4450.0 27.48 213.19
 110.00 12 32 12 1481.72 -15.00 349.00 37.07 121.08 12 56 53 881.7 -10.77 342.45
 110.00 21 58 18 4791.09 32.45 201.34 45.15 78.60 23 18 9 4191.1 30.53 192.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.0540 TRA 4.9681 TC3-2.0566 BAU .7531 SGT 6852.2 SGR 607.5 SG3 418.6 ST 3743.6 SR 198.8 SS 1705.6
 RDE .0888 RRA .5142 RC3 -.1548 FAU .02266 RRT .7791 RRF .7468 RTF .9863 CRT -.0478 CRS .0733 CST -.9996
 FDE-2.3539 FRA 3.5900 FC3 -.7181 BSP 22278 SGB 6879.0 R23 -.0383 R13 .9861 LSA 4113.6 MSA 202.4 SSA 13.1
 BDE 3.0552 BRA 4.9947 BC3 2.0624 FSP -1468 SG1 6868.5 SG2 379.9 THA 3.96 EL1 3743.6 EL2 198.5 ALF 179.85

LAUNCH DATE APR 27 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 6 1967

HELIOCENTRIC CONIC

DISTANCE 126.322

RL 150.56 LAL .00 LOL 216.06 VL 14.791 GAL 29.99 AZL 89.19 HCA 32.88 SMA 85.95 ECC .82089 INC .8109 V1 29.593
 RP 108.55 LAP .44 LOP 248.94 VP 30.018 GAP -53.71 AZP 89.32 TAL 172.48 TAP 203.36 RCA 15.39 APO 156.50 V2 34.911
 RC 87.444 GL .57 GP 2.41 ZAL 67.54 ZAP 35.23 ETS 186.42 ZAE 136.14 ETE 176.64 ZAC 155.11 ETC 45.46 CLP 35.15

PLANETOCENTRIC CONIC

C3 329.767 VML 18.159 DLA 12.53 RAL 150.88 RAD 6571.9 VEL 21.238 PTH 3.20 VMP 29.875 OPA 26.67 RAP 105.57 ECC 6.4271
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 30 11 3199.35 -26.10 110.70 61.13 78.61 6 23 30 2599.3 -27.41 102.27
 90.00 20 42 30 5044.00 23.59 222.53 49.38 73.87 22 6 34 4444.0 21.16 214.71
 100.00 6 57 58 2916.23 -27.82 90.26 61.52 78.59 7 46 34 2316.2 -29.11 81.70
 100.00 21 57 24 4802.35 25.28 204.22 48.84 73.49 23 17 27 4202.3 22.77 196.32
 110.00 8 20 45 2657.23 -32.41 71.67 62.60 78.48 9 5 2 2057.2 -33.66 62.66
 110.00 22 51 7 4634.11 29.75 189.91 47.29 72.34 24 8 22 4034.1 27.05 181.76

DIFFERENTIAL CORRECTIONS

TDE .7865 TRA-2.0755 TC3 -.1051 BAU .4636
 RDE -1.3128 RRA -.6293 RC3 .0042 FAU .01170
 FDE -.3033 FRA .7036 FC3 -.0307 BSP 1904
 BDE 1.5304 BRA 2.1649 BC3 .1052 FSP -47

MID-COURSE EXECUTION ACCURACY

SGT 810.7 SGR 461.7 SG3 23.4
 RRT .0744 RRF -.0665 RTF -.6093
 SGB 932.9 R23 .0003 R13 -.6097
 SGI 811.8 SG2 459.8 THA 3.58

ORBIT DETERMINATION ACCURACY

ST 319.7 SR 418.7 SS 303.5
 CRT -.6762 CRS -.7206 CST .9960
 LSA 560.0 MSA 236.1 SSA 14.1
 EL1 486.2 EL2 202.8 ALF 124.01

LAUNCH DATE APR 27 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 8 1967

HELIOCENTRIC CONIC

DISTANCE 131.663

RL 150.56 LAL .00 LOL 216.06 VL 15.609 GAL 28.57 AZL 89.57 HCA 36.06 SMA 87.36 ECC .79534 INC .4293 V1 29.593
 RP 108.59 LAP .25 LOP 252.12 VP 30.416 GAP -51.33 AZP 89.65 TAL 171.61 TAP 207.67 RCA 17.88 APO 156.83 V2 34.899
 RC 85.078 GL .34 GP 2.46 ZAL 66.19 ZAP 33.71 ETS 186.66 ZAE 136.17 ETE 176.16 ZAC 153.83 ETC 43.14 CLP 33.63

PLANETOCENTRIC CONIC

C3 301.398 VML 17.361 DLA 11.84 RAL 152.09 RAD 6571.7 VEL 20.560 PTH 3.17 VMP 28.791 OPA 26.63 RAP 107.43 ECC 5.9603
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 40 52 3165.60 -26.53 108.32 61.29 79.72 6 33 38 2565.6 -27.68 99.84
 90.00 20 41 30 5056.96 23.84 223.40 50.05 74.24 22 5 47 4457.0 21.44 215.55
 100.00 7 8 13 2883.87 -28.23 87.95 61.64 79.75 7 56 17 2283.9 -29.38 79.32
 100.00 21 56 50 4813.92 25.50 205.01 49.53 73.84 23 17 4 4213.9 23.04 197.08
 110.00 8 30 4 2627.78 -32.79 69.46 62.60 79.74 9 13 51 2027.8 -33.86 60.38
 110.00 22 51 29 4642.77 29.93 190.52 48.03 72.66 24 8 52 4042.8 27.27 182.34

DIFFERENTIAL CORRECTIONS

TDE .7962 TRA-2.0915 TC3 -.1123 BAU .4529
 RDE -1.2664 RRA -.6228 RC3 .0052 FAU .01175
 FDE -.3197 FRA .7292 FC3 -.0337 BSP 2017
 BDE 1.4959 BRA 2.1822 BC3 .1124 FSP -51

MID-COURSE EXECUTION ACCURACY

SGT 847.6 SGR 468.1 SG3 25.2
 RRT .0786 RRF -.0707 RTF -.6279
 SGB 968.3 R23 .0001 R13 -.6282
 SGI 848.7 SG2 466.0 THA 3.56

ORBIT DETERMINATION ACCURACY

ST 337.6 SR 422.7 SS 320.3
 CRT -.6764 CRS -.7247 CST .9958
 LSA 579.8 MSA 242.5 SSA 14.3
 EL1 498.1 EL2 211.0 ALF 125.73

LAUNCH DATE APR 27 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 10 1967

HELIOCENTRIC CONIC

DISTANCE 137.127

RL 150.56 LAL .00 LOL 216.06 VL 16.378 GAL 27.27 AZL 89.90 HCA 39.23 SMA 88.79 ECC .76959 INC .1011 V1 29.593
 RP 108.62 LAP .06 LOP 253.29 VP 30.805 GAP -49.07 AZP 89.92 TAL 170.73 TAP 209.97 RCA 20.46 APO 157.13 V2 34.888
 RC 82.729 GL .09 GP 2.53 ZAL 64.88 ZAP 32.22 ETS 186.93 ZAE 136.27 ETE 175.65 ZAC 152.48 ETC 41.01 CLP 32.14

PLANETOCENTRIC CONIC

C3 275.607 VML 16.601 DLA 11.14 RAL 153.25 RAD 6571.6 VEL 19.923 PTH 3.13 VMP 27.746 OPA 26.57 RAP 109.31 ECC 5.5358
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 51 15 3131.40 -26.92 105.89 61.33 80.88 6 43 26 2531.4 -27.91 97.37
 90.00 20 40 20 5069.17 24.06 224.23 50.64 74.60 22 4 49 4469.2 21.71 216.34
 100.00 7 18 11 2851.00 -28.61 85.58 61.63 80.94 8 5 42 2251.0 -29.56 76.90
 100.00 21 56 4 4824.80 25.70 205.76 50.13 74.19 23 16 29 4224.8 23.28 197.79
 110.00 8 39 7 2597.77 -33.13 67.18 62.47 81.05 9 22 25 1997.8 -34.01 58.05
 110.00 22 51 38 4650.79 30.09 191.09 48.67 72.96 24 9 9 4050.8 27.47 182.88

DIFFERENTIAL CORRECTIONS

TDE .8062 TRA-2.1070 TC3 -.1196 BAU .4413
 RDE -1.2202 RRA -.6150 RC3 .0064 FAU .01182
 FDE -.3364 FRA .7550 FC3 -.0371 BSP 2156
 BDE 1.4625 BRA 2.1949 BC3 .1198 FSP -57

MID-COURSE EXECUTION ACCURACY

SGT 885.7 SGR 473.9 SG3 27.2
 RRT .0827 RRF -.0749 RTF -.6460
 SGB 1004.5 R23 -.0003 R13 -.6463
 SGI 886.9 SG2 471.6 THA 3.53

ORBIT DETERMINATION ACCURACY

ST 356.4 SR 426.1 SS 337.7
 CRT -.6767 CRS -.7285 CST .9956
 LSA 600.6 MSA 248.4 SSA 14.5
 EL1 510.5 EL2 219.0 ALF 127.57

LAUNCH DATE APR 27 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 12 1967

HELIOCENTRIC CONIC

DISTANCE 142.707

RL 150.56 LAL .00 LOL 216.06 VL 17.101 GAL 26.05 AZL 90.18 HCA 42.41 SMA 90.25 ECC .74380 INC .1829 V1 29.593
 RP 108.65 LAP -.12 LOP 258.47 VP 31.184 GAP -46.94 AZP 90.14 TAL 169.86 TAP 212.27 RCA 23.12 APO 157.39 V2 34.877
 RC 80.398 GL .18 GP 2.59 ZAL 63.63 ZAP 30.76 ETS 187.23 ZAE 136.44 ETE 175.09 ZAC 151.08 ETC 39.07 CLP 30.66

PLANETOCENTRIC CONIC

C3 252.127 VML 15.879 DLA 10.44 RAL 154.34 RAD 6571.5 VEL 19.325 PTH 3.10 VMP 26.735 OPA 26.48 RAP 111.22 ECC 5.1494
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 1 20 3096.70 -27.27 103.41 61.23 82.08 6 52 57 2496.7 -28.09 94.84
 90.00 20 38 59 5080.64 24.26 225.01 51.13 74.94 22 3 40 4480.6 21.96 217.09
 100.00 7 27 53 2817.61 -28.94 83.15 61.49 82.17 8 14 50 2217.6 -29.72 74.43
 100.00 21 55 8 4834.96 25.89 206.45 50.64 74.51 23 15 43 4235.0 23.51 198.46
 110.00 8 47 5 2567.16 -33.43 64.84 62.20 82.40 9 30 42 1967.2 -34.12 55.67
 110.00 22 51 35 4658.17 30.24 191.62 49.21 73.24 24 9 14 4058.2 27.65 183.38

DIFFERENTIAL CORRECTIONS

TDE .8157 TRA-2.1228 TC3 -.1271 BAU .4291
 RDE -1.1742 RRA -.6060 RC3 .0078 FAU .01190
 FDE -.3535 FRA .7811 FC3 -.0409 BSP 2300
 BDE 1.4298 BRA 2.2076 BC3 .1273 FSP -62

MID-COURSE EXECUTION ACCURACY

SGT 925.3 SGR 479.1 SG3 29.3
 RRT .0868 RRF -.0792 RTF -.6635
 SGB 1042.0 R23 -.0008 R13 -.6639
 SGI 926.5 SG2 476.7 THA 3.50

ORBIT DETERMINATION ACCURACY

ST 376.0 SR 428.9 SS 355.5
 CRT -.6767 CRS -.7320 CST .9953
 LSA 622.1 MSA 254.0 SSA 14.8
 EL1 523.3 EL2 226.9 ALF 129.48

LAUNCH DATE APR 27 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 14 1967

HELIOCENTRIC CONIC

DISTANCE 148.395

RL 150.56 LAL .00 LOL 216.06 VL 17.781 GAL 24.91 AZL 90.44 MCA 45.58 SMA 91.73 ECC .71813 INC .4353 V1 29.593
 RP 108.69 LAP -.31 LOP 261.64 VP 31.550 GAP -44.92 AZP 90.30 TAL 169.00 TAP 214.58 RCA 25.86 APO 157.61 V2 34.867
 RC 78.089 GL -.46 GP 2.67 ZAL 62.42 ZAP 29.32 ETS 187.56 ZAE 136.69 ETE 174.49 ZAC 149.63 ETC 37.29 CLP 29.21

PLANETOCENTRIC CONIC

C3 230.728 VHL 15.190 DLA 9.74 RAL 155.38 RAD 6571.3 VEL 18.763 PTH 3.06 VMP 25.759 OPA 26.38 RAP 113.14 ECC 4.7972
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 11 9 3061.46 -27.58 100.88 61.01 83.31 7 2 11 2461.5 -28.22 92.27
 90.00 20 37 27 5091.38 24.45 225.74 51.52 75.26 22 2 19 4491.4 22.19 217.80
 100.00 7 37 18 2783.63 -29.23 80.67 61.23 83.45 8 23 42 2183.6 -29.83 71.91
 100.00 21 54 0 4844.44 26.06 207.11 51.04 74.81 23 14 44 4244.4 23.72 199.09
 110.00 8 56 27 2535.93 -33.68 62.44 61.81 83.80 9 38 43 1935.9 -34.17 53.23
 110.00 22 51 20 4664.91 30.37 192.10 49.66 73.50 24 9 5 4064.9 27.81 183.84

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TOE .8222 TRA-2.1411 TC3 -.1351 BAU .4177 SGT 967.5 SGR 483.8 SG3 31.6 ST 395.9 SR 431.2 SS 373.6
 ROE-1.1285 RRA -.5962 RC3 .0094 FAU .01198 RRT .0924 RRF -.0843 RTF -.6800 CRT -.6748 CRS -.7347 CST .9949
 FDE -.3707 FRA .8079 FC3 -.0450 BSP 2389 SGB 1081.7 R23 -.0007 R13 -.6804 LSA 643.9 MSA 259.5 SSA 15.0
 BOE 1.3963 BRA 2.2225 BC3 .1354 FSP -67 SG1 968.9 SG2 481.1 TMA 3.51 EL1 536.1 EL2 235.0 ALF 131.40

LAUNCH DATE APR 27 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 16 1967

HELIOCENTRIC CONIC

DISTANCE 154.186

RL 150.56 LAL .00 LOL 216.06 VL 18.420 GAL 23.83 AZL 90.66 MCA 48.75 SMA 93.22 ECC .69269 INC .6619 V1 29.593
 RP 108.72 LAP -.50 LOP 264.81 VP 31.904 GAP -43.00 AZP 90.44 TAL 168.15 TAP 216.90 RCA 28.65 APO 157.80 V2 34.857
 RC 75.805 GL -.77 GP 2.75 ZAL 61.26 ZAP 27.91 ETS 187.95 ZAE 137.02 ETE 173.83 ZAC 148.14 ETC 35.65 CLP 27.78

PLANETOCENTRIC CONIC

C3 211.208 VHL 14.533 DLA 9.04 RAL 156.36 RAD 6571.2 VEL 18.235 PTH 3.02 VMP 24.814 OPA 26.26 RAP 115.08 ECC 4.4759
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 20 42 3025.62 -27.84 98.29 60.67 84.59 7 11 8 2425.6 -28.30 89.65
 90.00 20 35 44 5101.42 24.62 226.42 51.82 75.56 22 0 46 4501.4 22.40 218.46
 100.00 7 46 28 2749.04 -29.47 78.12 60.84 84.77 8 32 17 2149.0 -29.89 69.34
 100.00 21 52 40 4853.24 26.21 207.71 51.35 75.09 23 13 33 4253.2 23.91 199.67
 110.00 9 4 45 2504.03 -33.89 59.97 61.29 85.25 9 46 29 1904.0 -34.18 50.74
 110.00 22 50 52 4671.01 30.49 192.53 50.00 73.73 24 8 43 4071.0 27.96 184.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TOE .8278 TRA-2.1594 TC3 -.1434 BAU .4061 SGT 1011.6 SGR 487.9 SG3 34.0 ST 416.6 SR 432.8 SS 392.1
 ROE-1.0832 RRA -.5853 RC3 .0112 FAU .01208 RRT .0984 RRF -.0895 RTF -.6959 CRT -.6726 CRS -.7372 CST .9944
 FDE -.3882 FRA .8352 FC3 -.0495 BSP 2473 SGB 1123.1 R23 -.0007 R13 -.6962 LSA 666.6 MSA 264.7 SSA 15.2
 BOE 1.3633 BRA 2.2373 BC3 .1438 FSP -73 SG1 1013.1 SG2 484.8 TMA 3.52 EL1 549.4 EL2 242.8 ALF 133.38

LAUNCH DATE APR 27 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 18 1967

HELIOCENTRIC CONIC

DISTANCE 160.054

RL 150.56 LAL .00 LOL 216.06 VL 19.021 GAL 22.80 AZL 90.87 MCA 51.92 SMA 94.72 ECC .66750 INC .8673 V1 29.593
 RP 108.75 LAP -.68 LOP 267.98 VP 32.245 GAP -41.16 AZP 90.53 TAL 167.31 TAP 219.23 RCA 31.49 APO 157.95 V2 34.848
 RC 73.549 GL -1.09 GP 2.84 ZAL 60.17 ZAP 26.51 ETS 188.38 ZAE 137.42 ETE 173.12 ZAC 146.60 ETC 34.16 CLP 26.37

PLANETOCENTRIC CONIC

C3 193.285 VHL 13.903 DLA 8.33 RAL 157.28 RAD 6571.1 VEL 17.737 PTH 2.99 VMP 23.896 OPA 26.12 RAP 117.04 ECC 4.1810
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 29 56 2989.19 -28.04 95.64 60.18 85.90 7 19 45 2389.2 -28.32 86.99
 90.00 20 33 49 5110.58 24.78 227.05 52.00 75.84 21 58 59 4510.6 22.59 219.06
 100.00 7 55 19 2713.82 -29.66 75.52 60.31 86.12 8 40 32 2113.8 -29.88 66.72
 100.00 21 51 7 4861.19 26.35 208.26 51.55 75.35 23 12 8 4261.2 24.08 200.20
 110.00 9 12 46 2471.45 -34.05 57.44 60.63 86.74 9 53 57 1871.5 -34.12 48.20
 110.00 22 50 9 4676.32 30.59 192.91 50.23 73.94 24 8 6 4076.3 28.08 184.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TOE 1.0323 TRA-1.9766 TC3 -.1104 BAU .2876 SGT 976.2 SGR 489.0 SG3 36.8 ST 492.0 SR 431.7 SS 426.6
 ROE-1.0333 RRA -.5691 RC3 .0141 FAU .01338 RRT .0040 RRF -.0644 RTF -.7504 CRT -.7702 CRS -.7666 CST .9991
 FDE -.4321 FRA .8376 FC3 -.0599 BSP 7360 SGB 1091.8 R23 -.0604 R13 -.7505 LSA 742.8 MSA 242.0 SSA 13.8
 BOE 1.4606 BRA 2.0569 BC3 .1113 FSP -133 SG1 976.2 SG2 488.9 TMA .15 EL1 616.6 EL2 219.7 ALF 139.83

LAUNCH DATE APR 27 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 20 1967

HELIOCENTRIC CONIC

DISTANCE 166.047

RL 150.56 LAL .00 LOL 216.06 VL 19.586 GAL 21.85 AZL 91.06 MCA 55.09 SMA 96.22 ECC .64290 INC 1.0554 V1 29.593
 RP 108.77 LAP -.87 LOP 271.14 VP 32.572 GAP -39.42 AZP 90.60 TAL 166.48 TAP 221.57 RCA 34.36 APO 158.08 V2 34.839
 RC 71.325 GL -1.44 GP 2.93 ZAL 59.10 ZAP 25.13 ETS 188.88 ZAE 137.91 ETE 172.34 ZAC 145.03 ETC 32.78 CLP 24.97

PLANETOCENTRIC CONIC

C3 177.087 VHL 13.307 DLA 7.61 RAL 158.15 RAD 6570.9 VEL 17.275 PTH 2.95 VMP 23.013 OPA 25.96 RAP 119.01 ECC 3.9144
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 39 3 2952.01 -28.19 92.94 59.60 87.25 7 28 15 2352.0 -28.28 84.27
 90.00 20 31 42 5119.47 24.92 227.66 52.11 76.11 21 57 1 4519.5 22.77 219.65
 100.00 8 4 3 2677.84 -29.80 72.86 59.68 87.52 8 48 41 2077.8 -29.82 64.05
 100.00 21 49 22 4868.87 26.48 208.80 51.68 75.60 23 10 31 4268.9 24.24 200.71
 110.00 9 20 39 2438.11 -34.14 54.84 59.87 88.28 10 1 17 1838.1 -34.01 45.60
 110.00 22 49 16 4681.36 30.68 193.28 50.38 74.13 24 7 17 4081.4 28.20 184.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TOE .8611 TRA-2.1712 TC3 -.1550 BAU .3689 SGT 1094.1 SGR 493.8 SG3 39.5 ST 466.5 SR 433.7 SS 432.8
 ROE-.9929 RRA -.5607 RC3 .0157 FAU .01247 RRT .1000 RRF -.0974 RTF -.7301 CRT -.6812 CRS -.7447 CST .9947
 FDE -.4279 FRA .8884 FC3 -.0609 BSP 3224 SGB 1200.4 R23 -.0060 R13 -.7305 LSA 721.0 MSA 270.1 SSA 15.4
 BOE 1.3143 BRA 2.2424 BC3 .1558 FSP -93 SG1 1095.5 SG2 490.7 TMA 3.23 EL1 584.4 EL2 253.5 ALF 138.06

LAUNCH DATE APR 27 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 22 1967

HELIOCENTRIC CONIC

DISTANCE 172.107

RL 150.56 LAL .00 LOL 216.06 VL 20.118 GAL 20.93 AZL 91.23 MCA 58.26 SMA 97.72 ECC .61872 INC 1.2295 V1 29.593
 RP 108.80 LAP -1.05 LOP 274.31 VP 32.886 GAP -37.75 AZP 90.65 TAL 165.66 TAP 223.92 RCA 37.26 APO 158.17 V2 34.831
 RC 69.138 GL -1.81 GP 3.03 ZAL 58.09 ZAP 23.77 ETS 189.46 ZAE 138.48 ETE 171.50 ZAC 143.43 ETC 31.52 CLP 23.59

PLANETOCENTRIC CONIC

C3 162.206 VML 12.736 DLA 6.89 RAL 158.97 RAD 6570.8 VEL 16.838 PTH 2.91 VMP 22.155 DPA 25.79 RAP 120.99 ECC 3.6695
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 47 52 2914.13 -28.29 90.17 58.89 88.63 7 36 26 2314.1 -28.18 81.50
 90.00 20 29 20 5127.59 25.06 228.22 52.12 76.36 21 54 48 4527.6 22.93 220.19
 100.00 8 12 30 2641.15 -29.88 70.13 58.93 88.95 8 56 31 2041.2 -29.70 61.33
 100.00 21 47 23 4875.80 26.60 209.28 51.69 75.83 23 8 39 4275.8 24.39 201.18
 110.00 9 28 16 2404.03 -34.18 52.18 58.98 89.85 10 8 20 1804.0 -33.83 42.95
 110.00 22 48 6 4685.69 30.76 193.59 50.43 74.30 24 6 12 4085.7 28.30 185.25

DIFFERENTIAL CORRECTIONS

TDE .8638 TRA-2.1890 TC3 -.1635 BAU .3568
 RDE -.9487 RRA -.5476 RC3 .0183 FAU .01261
 FDE -.4469 FRA .9176 FC3 -.0673 BSP 3293
 BDE 1.2831 BRA 2.2565 BC3 .1645 FSP -100

MID-COURSE EXECUTION ACCURACY

SGT 1143.9 SGR 495.9 SG3 42.6
 RRT .1073 RRF -.1038 RTF -.7439
 SGB 1246.7 R23 -.0059 R13 -.7442
 SG1 1145.4 SG2 492.4 TMA 3.27

ORBIT DETERMINATION ACCURACY

ST 489.6 SR 433.2 SS 453.0
 CRT -.6775 CRS -.7463 CST .9941
 LSA 746.6 MSA 274.0 SSA 15.6
 EL1 599.8 EL2 260.1 ALF 140.13

LAUNCH DATE APR 27 1967

FLIGHT TIME 88.00

ARRIVAL DATE JUL 24 1967

HELIOCENTRIC CONIC

DISTANCE 178.244

RL 150.56 LAL .00 LOL 216.06 VL 20.618 GAL 20.06 AZL 91.39 MCA 61.42 SMA 99.20 ECC .59510 INC 1.3920 V1 29.593
 RP 108.82 LAP -1.22 LOP 277.47 VP 33.186 GAP -36.15 AZP 90.67 TAL 164.87 TAP 226.29 RCA 40.17 APO 158.24 V2 34.824
 RC 66.992 GL -2.21 GP 3.14 ZAL 57.14 ZAP 22.43 ETS 190.12 ZAE 139.15 ETE 170.56 ZAC 141.79 ETC 30.36 CLP 22.22

PLANETOCENTRIC CONIC

C3 148.599 VML 12.190 DLA 6.16 RAL 159.72 RAD 6570.6 VEL 16.429 PTH 2.87 VMP 21.323 DPA 25.59 RAP 122.98 ECC 3.4456
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 56 28 2875.49 -28.32 87.34 58.06 90.05 7 44 24 2275.5 -28.01 78.69
 90.00 20 26 45 5135.16 25.18 228.74 52.02 76.59 21 52 20 4535.2 23.08 220.70
 100.00 8 20 44 2603.69 -29.89 67.35 58.05 90.42 9 4 8 2003.7 -29.51 58.56
 100.00 21 45 10 4882.20 26.71 209.73 51.61 76.04 23 6 32 4282.2 24.52 201.61
 110.00 9 35 41 2369.15 -34.16 49.46 57.97 91.46 10 15 10 1769.2 -33.58 40.26
 110.00 22 46 43 4689.90 30.83 193.86 50.37 74.45 24 4 52 4089.5 28.39 184.51

DIFFERENTIAL CORRECTIONS

TDE .8698 TRA-2.2024 TC3 -.1710 BAU .3424
 RDE -.9049 RRA -.5339 RC3 .0213 FAU .01280
 FDE -.4671 FRA .9470 FC3 -.0746 BSP 3454
 BDE 1.2551 BRA 2.2662 BC3 .1724 FSP -108

MID-COURSE EXECUTION ACCURACY

SGT 1193.8 SGR 497.3 SG3 45.9
 RRT .1133 RRF -.1101 RTF -.7577
 SGB 1293.2 R23 -.0066 R13 -.7581
 SG1 1195.4 SG2 493.4 TMA 3.26

ORBIT DETERMINATION ACCURACY

ST 514.6 SR 432.0 SS 474.3
 CRT -.6758 CRS -.7481 CST .9936
 LSA 774.3 MSA 276.8 SSA 15.8
 EL1 617.2 EL2 265.5 ALF 142.30

LAUNCH DATE APR 27 1967

FLIGHT TIME 90.00

ARRIVAL DATE JUL 26 1967

HELIOCENTRIC CONIC

DISTANCE 184.454

RL 150.56 LAL .00 LOL 216.06 VL 21.088 GAL 19.22 AZL 91.55 MCA 64.59 SMA 100.68 ECC .57210 INC 1.5450 V1 29.593
 RP 108.84 LAP -1.40 LOP 280.64 VP 33.473 GAP -34.62 AZP 90.66 TAL 164.09 TAP 228.68 RCA 43.08 APO 158.27 V2 34.817
 RC 64.892 GL -2.64 GP 3.27 ZAL 56.23 ZAP 21.11 ETS 190.90 ZAE 139.90 ETE 169.54 ZAC 140.13 ETC 29.29 CLP 20.87

PLANETOCENTRIC CONIC

C3 136.158 VML 11.669 DLA 5.43 RAL 160.41 RAD 6570.5 VEL 16.046 PTH 2.83 VMP 20.516 DPA 25.39 RAP 124.97 ECC 3.2408
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 4 52 2836.05 -28.28 84.46 57.11 91.49 7 52 8 2236.0 -27.77 75.83
 90.00 20 23 54 5142.26 25.29 229.23 51.83 76.81 21 49 37 4542.3 23.22 221.17
 100.00 8 28 46 2565.42 -29.84 64.50 57.06 91.92 9 11 32 1965.4 -29.25 55.75
 100.00 21 42 41 4888.12 26.80 210.14 51.42 76.24 23 4 9 4288.1 24.64 202.00
 110.00 9 42 53 2333.47 -34.06 46.67 56.84 93.11 10 21 47 1733.5 -33.25 37.53
 110.00 22 45 4 4692.84 30.89 194.10 50.21 74.58 24 3 16 4092.8 28.47 185.74

DIFFERENTIAL CORRECTIONS

TDE .8752 TRA-2.2147 TC3 -.1784 BAU .3278
 RDE -.8616 RRA -.5198 RC3 .0247 FAU .01301
 FDE -.4881 FRA .9772 FC3 -.0827 BSP 3620
 BDE 1.2281 BRA 2.2748 BC3 .1801 FSP -118

MID-COURSE EXECUTION ACCURACY

SGT 1245.5 SGR 498.0 SG3 49.4
 RRT .1197 RRF -.1169 RTF -.7709
 SGB 1341.3 R23 -.0075 R13 -.7713
 SG1 1247.2 SG2 493.8 TMA 3.25

ORBIT DETERMINATION ACCURACY

ST 540.6 SR 430.0 SS 496.3
 CRT -.6738 CRS -.7498 CST .9931
 LSA 803.3 MSA 279.0 SSA 16.0
 EL1 635.7 EL2 270.2 ALF 144.46

LAUNCH DATE APR 27 1967

FLIGHT TIME 92.00

ARRIVAL DATE JUL 28 1967

HELIOCENTRIC CONIC

DISTANCE 190.731

RL 150.56 LAL .00 LOL 216.06 VL 21.530 GAL 18.42 AZL 91.69 MCA 67.75 SMA 102.14 ECC .54974 INC 1.6900 V1 29.593
 RP 108.86 LAP -1.56 LOP 283.80 VP 33.747 GAP -33.16 AZP 90.64 TAL 163.33 TAP 231.09 RCA 45.99 APO 158.29 V2 34.810
 RC 62.843 GL -3.09 GP 3.40 ZAL 55.38 ZAP 19.80 ETS 191.82 ZAE 140.75 ETE 168.40 ZAC 138.44 ETC 28.31 CLP 19.52

PLANETOCENTRIC CONIC

C3 124.782 VML 11.171 DLA 4.68 RAL 161.05 RAD 6570.3 VEL 15.688 PTH 2.79 VMP 19.734 DPA 25.16 RAP 126.97 ECC 3.0536
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 13 4 2795.76 -28.17 81.52 56.06 92.97 7 59 40 2195.8 -27.47 72.92
 90.00 20 20 47 5148.95 25.39 229.69 51.54 77.03 21 46 36 4549.0 23.35 221.62
 100.00 8 36 37 2526.31 -29.71 61.60 55.96 93.44 9 18 43 1926.3 -28.92 52.89
 100.00 21 39 56 4893.64 26.89 210.53 51.14 76.43 23 1 30 4293.6 24.76 202.38
 110.00 9 49 54 2296.94 -33.89 43.83 55.61 94.78 10 28 11 1696.9 -32.86 34.75
 110.00 22 43 8 4695.77 30.94 194.32 49.95 74.69 24 1 24 4095.8 28.54 185.95

DIFFERENTIAL CORRECTIONS

TDE .8817 TRA-2.2239 TC3 -.1849 BAU .3121
 RDE -.8187 RRA -.5052 RC3 .0285 FAU .01326
 FDE -.5103 FRA 1.0079 FC3 -.0920 BSP 3829
 BDE 1.2032 BRA 2.2806 BC3 .1871 FSP -129

MID-COURSE EXECUTION ACCURACY

SGT 1298.1 SGR 498.0 SG3 53.2
 RRT .1258 RRF -.1240 RTF -.7839
 SGB 1390.3 R23 -.0088 R13 -.7843
 SG1 1299.9 SG2 493.4 TMA 3.23

ORBIT DETERMINATION ACCURACY

ST 567.9 SR 427.1 SS 519.3
 CRT -.6726 CRS -.7515 CST .9927
 LSA 834.1 MSA 280.4 SSA 16.1
 EL1 655.8 EL2 273.7 ALF 146.62

LAUNCH DATE APR 27 1967

FLIGHT TIME 94.00

ARRIVAL DATE JUL 30 1967

MELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 21.945 GAL 17.65 AZL 91.83 HCA 70.91 SMA 103.58 ECC .52807 INC 1.8286 V1 29.593
 RP 108.88 LAP -1.73 LOP 286.96 VP 34.007 GAP -31.75 AZP 90.60 TAL 162.60 TAP 233.52 RCA 48.88 APO 158.27 V2 34.805
 RC 60.850 GL -3.58 GP 3.54 ZAL 54.57 ZAP 18.52 ETS 192.90 ZAE 141.69 ETE 167.13 ZAC 136.73 ETC 27.40 CLP 18.19

PLANETOCENTRIC CONIC
 C3 114.381 VML 10.695 DLA 3.92 RAL 161.63 RAD 6570.2 VEL 15.353 PTH 2.75 VMP 18.976 DPA 24.92 RAP 128.98 ECC 2.8824
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 21 6 2754.61 -27.99 78.52 54.90 94.46 8 7 0 2154.6 -27.08 69.97
 90.00 20 17 23 5155.34 25.49 230.14 51.15 77.23 21 43 18 4555.3 23.48 222.04
 100.00 8 44 16 2486.32 -29.51 58.64 54.76 94.98 9 25 43 1886.3 -28.51 49.98
 100.00 21 36 54 4898.85 26.97 210.89 50.77 76.60 22 58 32 4298.9 24.86 202.73
 110.00 9 56 44 2259.56 -33.64 40.94 54.27 96.47 10 34 23 1659.6 -32.38 31.94
 110.00 22 40 56 4698.38 30.99 194.51 49.60 74.80 23 59 14 4098.4 28.59 186.12

MID-COURSE EXECUTION ACCURACY
 SGT 1352.4 SGR 497.3 SG3 57.4
 RRT .1324 RRF -.1317 RTF -.7963
 SGB 1441.0 R23 -.0102 R13 -.7967
 SG1 1354.3 SG2 492.3 TMA 3.21

ORBIT DETERMINATION ACCURACY
 ST 596.4 SR 423.4 SS 543.2
 CRT -.6712 CRS -.7530 CST .9923
 LSA 866.5 MSA 281.1 SSA 16.2
 EL1 677.2 EL2 276.4 ALF 148.75

DIFFERENTIAL CORRECTIONS
 TDE .8880 TRA-2.2317 TC3 -.1909 BAU .2962
 RDE -.7765 RRA -.4904 RC3 .0328 FAU .01354
 FDE -.5334 FRA 1.0396 FC3 -.1025 BSP 4045
 BDE 1.1796 BRA 2.2849 BC3 .1937 FSP -141

LAUNCH DATE APR 27 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 1 1967

MELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 22.335 GAL 16.92 AZL 91.96 HCA 74.08 SMA 104.99 ECC .50710 INC 1.9620 V1 29.593
 RP 108.90 LAP -1.89 LOP 290.13 VP 34.255 GAP -30.40 AZP 90.54 TAL 161.89 TAP 235.97 RCA 51.75 APO 158.23 V2 34.800
 RC 58.919 GL -4.10 GP 3.70 ZAL 53.83 ZAP 17.25 ETS 194.19 ZAE 142.73 ETE 165.72 ZAC 135.00 ETC 26.56 CLP 16.86

PLANETOCENTRIC CONIC
 C3 104.875 VML 10.241 DLA 3.14 RAL 162.15 RAD 6570.0 VEL 15.040 PTH 2.71 VMP 18.241 DPA 24.68 RAP 130.98 ECC 2.7260
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 28 58 2712.55 -27.73 75.47 53.65 95.97 8 14 10 2112.5 -26.62 66.98
 90.00 20 13 40 5161.52 25.58 230.57 50.68 77.42 21 39 42 4561.5 23.59 222.46
 100.00 8 51 46 2445.45 -29.23 55.64 53.46 96.54 9 32 32 1845.4 -28.02 47.05
 100.00 21 33 33 4903.85 27.05 211.24 50.30 76.77 22 55 17 4303.9 24.96 203.07
 110.00 10 3 23 2221.31 -33.31 38.01 52.84 98.18 10 40 24 1621.3 -31.82 29.10
 110.00 22 38 25 4700.76 31.03 194.68 49.15 74.89 23 56 46 4100.8 28.65 186.23

MID-COURSE EXECUTION ACCURACY
 SGT 1409.9 SGR 495.9 SG3 61.9
 RRT .1407 RRF -.1405 RTF -.8076
 SGB 1494.5 R23 -.0113 R13 -.8080
 SG1 1411.8 SG2 490.3 TMA 3.22

ORBIT DETERMINATION ACCURACY
 ST 625.1 SR 418.8 SS 567.9
 CRT -.6683 CRS -.7540 CST .9917
 LSA 899.4 MSA 281.6 SSA 16.4
 EL1 698.9 EL2 278.6 ALF 150.80

DIFFERENTIAL CORRECTIONS
 TDE .8914 TRA-2.2404 TC3 -.1972 BAU .2814
 RDE -.7348 RRA -.4756 RC3 .0376 FAU .01383
 FDE -.5574 FRA 1.0726 FC3 -.1141 BSP 4209
 BDE 1.1552 BRA 2.2903 BC3 .2007 FSP -153

LAUNCH DATE APR 27 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 3 1967

MELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 22.702 GAL 16.22 AZL 92.09 HCA 77.24 SMA 106.38 ECC .48686 INC 2.0912 V1 29.593
 RP 108.91 LAP -2.04 LOP 293.29 VP 34.491 GAP -29.11 AZP 90.46 TAL 161.21 TAP 238.45 RCA 54.59 APO 158.17 V2 34.795
 RC 57.057 GL -4.65 GP 3.87 ZAL 53.13 ZAP 16.00 ETS 195.74 ZAE 143.87 ETE 164.13 ZAC 133.26 ETC 25.78 CLP 15.53

PLANETOCENTRIC CONIC
 C3 96.189 VML 9.808 DLA 2.35 RAL 162.61 RAD 6569.9 VEL 14.749 PTH 2.67 VMP 17.528 DPA 24.42 RAP 132.99 ECC 2.5830
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 36 40 2669.56 -27.39 72.37 52.30 97.48 8 21 10 2069.6 -26.07 63.95
 90.00 20 9 37 5167.61 25.67 230.99 50.11 77.62 21 35 45 4567.6 23.71 222.87
 100.00 8 59 7 2403.65 -28.87 52.58 52.07 98.11 9 39 10 1803.7 -27.45 44.07
 100.00 21 29 52 4908.75 27.13 211.59 49.74 76.94 22 51 41 4308.8 25.06 203.40
 110.00 10 9 52 2182.17 -32.89 35.03 51.33 99.90 10 46 15 1582.2 -31.17 26.23
 110.00 22 35 36 4703.00 31.07 194.84 48.61 74.98 23 53 59 4103.0 28.70 186.44

MID-COURSE EXECUTION ACCURACY
 SGT 1467.7 SGR 493.8 SG3 66.8
 RRT .1488 RRF -.1499 RTF -.8188
 SGB 1548.6 R23 -.0131 R13 -.8192
 SG1 1469.8 SG2 487.7 TMA 3.22

ORBIT DETERMINATION ACCURACY
 ST 655.6 SR 413.3 SS 593.9
 CRT -.6665 CRS -.7551 CST .9913
 LSA 934.9 MSA 281.1 SSA 16.5
 EL1 722.8 EL2 279.4 ALF 152.82

DIFFERENTIAL CORRECTIONS
 TDE .8969 TRA-2.2450 TC3 -.2018 BAU .2653
 RDE -.6938 RRA -.4606 RC3 .0429 FAU .01417
 FDE -.5831 FRA 1.1064 FC3 -.1275 BSP 4432
 BDE 1.1339 BRA 2.2917 BC3 .2063 FSP -167

LAUNCH DATE APR 27 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 5 1967

MELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 23.046 GAL 15.54 AZL 92.22 HCA 80.40 SMA 107.74 ECC .46737 INC 2.2171 V1 29.593
 RP 108.92 LAP -2.19 LOP 296.45 VP 34.715 GAP -27.86 AZP 90.37 TAL 160.56 TAP 240.96 RCA 57.39 APO 158.10 V2 34.792
 RC 55.270 GL -5.25 GP 4.06 ZAL 52.50 ZAP 14.77 ETS 197.63 ZAE 145.10 ETE 162.32 ZAC 131.50 ETC 25.06 CLP 14.21

PLANETOCENTRIC CONIC
 C3 88.257 VML 9.395 DLA 1.55 RAL 163.01 RAD 6569.7 VEL 14.478 PTH 2.63 VMP 16.837 DPA 24.15 RAP 134.99 ECC 2.4525
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 44 15 2625.62 -26.96 69.23 50.87 99.00 8 28 1 2025.6 -25.44 60.89
 90.00 20 5 13 5173.75 25.76 231.42 49.46 77.81 21 31 27 4573.8 23.82 223.28
 100.00 9 6 19 2360.92 -28.42 49.49 50.60 99.68 9 45 40 1760.9 -26.79 41.07
 100.00 21 25 51 4913.68 27.20 211.93 49.10 77.10 22 47 44 4313.7 25.16 203.73
 110.00 10 16 13 2142.15 -32.38 32.02 49.74 101.61 10 51 55 1542.1 -30.44 23.34
 110.00 22 32 26 4705.22 31.11 195.00 47.99 75.07 23 50 51 4105.2 28.75 186.60

MID-COURSE EXECUTION ACCURACY
 SGT 1527.3 SGR 491.1 SG3 72.1
 RRT .1577 RRF -.1602 RTF -.8295
 SGB 1604.3 R23 -.0150 R13 -.8299
 SG1 1529.5 SG2 484.2 TMA 3.23

ORBIT DETERMINATION ACCURACY
 ST 687.2 SR 406.7 SS 621.1
 CRT -.6643 CRS -.7539 CST .9908
 LSA 972.0 MSA 279.9 SSA 16.6
 EL1 748.1 EL2 279.2 ALF 154.77

DIFFERENTIAL CORRECTIONS
 TDE .9022 TRA-2.2478 TC3 -.2055 BAU .2492
 RDE -.6534 RRA -.4457 RC3 .0488 FAU .01454
 FDE -.6104 FRA 1.1415 FC3 -.1426 BSP 4663
 BDE 1.1139 BRA 2.2916 BC3 .2112 FSP -182

LAUNCH DATE APR 27 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 7 1967

HELIOCENTRIC CONIC

DISTANCE 222.941

RL 150.56 LAL .00 LOL 216.06 VL 23.369 GAL 14.90 AZL 92.34 MCA 83.56 SMA 109.07 ECC .44861 INC 2.3407 V1 29.593
 RP 108.93 LAP -2.33 LOP 299.61 VP 34.927 GAP -26.65 AZP 90.26 TAL 159.93 TAP 243.49 RCA 60.14 APO 158.00 V2 34.789
 RC 53.566 GL -5.88 GP 4.27 ZAL 51.92 ZAP 13.57 ETS 199.93 ZAE 146.42 ETE 160.27 ZAC 129.72 ETC 24.39 CLP 12.89

PLANETOCENTRIC CONIC

C3 81.018 VML 9.001 DLA .72 RAL 163.35 RAD 6569.6 VEL 14.226 PTH 2.59 VMP 16.167 DPA 23.89 RAP 137.00 ECC 2.3334
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 51 44 2580.70 -26.44 66.04 49.37 100.52 8 34 44 1980.7 -24.72 57.79
 90.00 20 0 26 5180.09 25.85 231.86 48.73 78.02 21 26 46 4580.1 23.94 223.71
 100.00 9 13 24 2317.24 -27.88 46.35 49.06 101.24 9 52 1 1717.2 -26.05 38.03
 100.00 21 21 26 4918.78 27.28 212.29 48.38 77.28 22 43 25 4318.8 25.25 204.08
 110.00 10 22 25 2101.22 -31.78 28.98 48.08 103.32 10 57 26 1501.2 -29.62 20.43
 110.00 22 28 55 4707.57 31.15 195.17 47.29 75.16 23 47 22 4107.6 28.80 186.76

DIFFERENTIAL CORRECTIONS

TOE .9072 TRA-2.2489 TC3 -.2080 BAU .2332
 RDE -.6136 RRA -.4311 RC3 .0554 FAU .01495
 FDE -.6394 FRA 1.1779 FC3 -.1598 BSP 4890
 BDE 1.0952 BRA 2.2898 BC3 .2153 FSP -199

MID-COURSE EXECUTION ACCURACY

SGT 1588.5 SGR 487.6 SG3 77.8
 RRT .1678 RRF -.1719 RTF -.8396
 SGB 1661.6 R23 -.0171 R13 -.8400
 SG1 1590.8 SG2 480.0 TMA 3.24

ORBIT DETERMINATION ACCURACY

ST 719.8 SR 399.1 SS 649.7
 CRT -.6621 CRS -.7563 CST .9904
 LSA 1010.9 MSA 278.1 SSA 16.7
 EL1 774.7 EL2 277.9 ALF 156.66

LAUNCH DATE APR 27 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC

DISTANCE 229.515

RL 150.56 LAL .00 LOL 216.06 VL 23.672 GAL 14.28 AZL 92.46 MCA 86.72 SMA 110.36 ECC .43061 INC 2.4628 V1 29.593
 RP 108.94 LAP -2.46 LOP 302.77 VP 35.129 GAP -25.50 AZP 90.14 TAL 159.34 TAP 246.06 RCA 62.84 APO 157.89 V2 34.786
 RC 51.953 GL -6.56 GP 4.50 ZAL 51.41 ZAP 12.40 ETS 202.78 ZAE 147.82 ETE 157.91 ZAC 127.94 ETC 23.77 CLP 11.57

PLANETOCENTRIC CONIC

C3 74.417 VML 8.627 DLA -.13 RAL 163.62 RAD 6569.4 VEL 13.992 PTH 2.55 VMP 15.517 DPA 23.62 RAP 138.99 ECC 2.2247
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 59 6 2534.78 -25.83 62.82 47.81 102.02 8 41 21 1934.8 -23.92 54.67
 90.00 19 55 13 5186.80 25.94 232.33 47.92 78.23 21 21 40 4586.8 24.06 224.16
 100.00 9 20 23 2272.59 -27.25 43.19 47.46 102.80 9 58 16 1672.6 -25.21 34.98
 100.00 21 16 38 4924.22 27.36 212.68 47.58 77.47 22 38 42 4324.2 25.36 204.45
 110.00 10 28 30 2059.40 -31.08 25.92 46.37 105.00 11 2 49 1459.4 -28.71 17.52
 110.00 22 25 1 4710.18 31.20 195.36 46.51 75.27 23 43 31 4110.2 28.86 186.94

DIFFERENTIAL CORRECTIONS

TOE .9122 TRA-2.2479 TC3 -.2093 BAU .2173
 RDE -.5744 RRA -.4167 RC3 .0627 FAU .01540
 FDE -.6705 FRA 1.2159 FC3 -.1792 BSP 5124
 BDE 1.0779 BRA 2.2862 BC3 .2184 FSP -217

MID-COURSE EXECUTION ACCURACY

SGT 1651.2 SGR 483.6 SG3 84.0
 RRT .1791 RRF -.1851 RTF -.8492
 SGB 1720.6 R23 -.0195 R13 -.8497
 SG1 1653.7 SG2 475.0 TMA 3.27

ORBIT DETERMINATION ACCURACY

ST 753.5 SR 390.4 SS 679.8
 CRT -.6593 CRS -.7564 CST .9899
 LSA 1051.7 MSA 275.6 SSA 16.8
 EL1 802.7 EL2 275.6 ALF 158.48

LAUNCH DATE APR 27 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 236.122

RL 150.56 LAL .00 LOL 216.06 VL 23.957 GAL 13.68 AZL 92.58 MCA 89.88 SMA 111.62 ECC .41336 INC 2.5840 V1 29.593
 RP 108.94 LAP -2.58 LOP 305.93 VP 35.319 GAP -24.38 AZP 90.01 TAL 158.78 TAP 248.65 RCA 65.48 APO 157.76 V2 34.785
 RC 50.440 GL -7.29 GP 4.75 ZAL 50.95 ZAP 11.28 ETS 206.34 ZAE 149.30 ETE 155.19 ZAC 126.14 ETC 23.19 CLP 10.24

PLANETOCENTRIC CONIC

C3 68.403 VML 8.271 DLA -1.00 RAL 163.83 RAD 6569.3 VEL 13.775 PTH 2.52 VMP 14.888 DPA 23.35 RAP 140.99 ECC 2.1257
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 6 24 2487.84 -25.12 59.56 46.19 103.51 8 47 52 1887.8 -23.02 51.52
 90.00 19 49 34 5194.06 26.04 232.84 47.04 78.47 21 16 8 4594.1 24.19 224.66
 100.00 9 27 17 2226.96 -26.52 39.99 45.80 104.33 10 4 24 1627.0 -24.29 31.90
 100.00 21 11 23 4930.18 27.45 213.10 46.71 77.67 22 33 33 4330.2 25.47 204.85
 110.00 10 34 27 2016.69 -30.29 22.84 44.52 106.66 11 8 4 1416.7 -27.71 14.60
 110.00 22 20 42 4713.21 31.25 195.58 45.66 75.39 23 39 15 4113.2 28.93 187.15

DIFFERENTIAL CORRECTIONS

TOE .9171 TRA-2.2451 TC3 -.2088 BAU .2016
 RDE -.5358 RRA -.4028 RC3 .0708 FAU .01590
 FDE -.7039 FRA 1.2556 FC3 -.2012 BSP 5358
 BDE 1.0621 BRA 2.2810 BC3 .2205 FSP -237

MID-COURSE EXECUTION ACCURACY

SGT 1715.5 SGR 478.9 SG3 90.8
 RRT .1922 RRF -.1851 RTF -.8583
 SGB 1781.1 R23 -.0222 R13 -.8588
 SG1 1718.1 SG2 469.3 TMA 3.32

ORBIT DETERMINATION ACCURACY

ST 788.4 SR 380.5 SS 711.6
 CRT -.6560 CRS -.7559 CST .9894
 LSA 1094.6 MSA 272.5 SSA 16.8
 EL1 832.0 EL2 272.1 ALF 160.23

LAUNCH DATE APR 27 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC

DISTANCE 242.758

RL 150.56 LAL .00 LOL 216.06 VL 24.223 GAL 13.11 AZL 92.71 MCA 93.03 SMA 112.84 ECC .39685 INC 2.7053 V1 29.593
 RP 108.94 LAP -2.70 LOP 309.10 VP 35.500 GAP -23.30 AZP 89.86 TAL 158.25 TAP 251.28 RCA 68.06 APO 157.62 V2 34.784
 RC 49.035 GL -8.07 GP 5.03 ZAL 50.56 ZAP 10.22 ETS 210.82 ZAE 150.83 ETE 152.02 ZAC 124.34 ETC 22.66 CLP 8.91

PLANETOCENTRIC CONIC

C3 62.930 VML 7.933 DLA -1.91 RAL 163.97 RAD 6569.2 VEL 13.575 PTH 2.48 VMP 14.278 DPA 23.09 RAP 142.98 ECC 2.0357
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 13 40 2439.86 -24.32 56.27 44.52 104.97 8 54 20 1839.9 -22.03 48.35
 90.00 19 43 26 5202.08 26.15 233.40 46.10 78.73 21 10 8 4602.1 24.33 225.20
 100.00 9 34 7 2180.33 -25.69 36.77 44.10 105.83 10 10 28 1580.3 -23.27 28.81
 100.00 21 5 40 4936.85 27.54 213.57 45.78 77.90 22 27 57 4336.8 25.60 205.31
 110.00 10 40 20 1973.08 -29.40 19.76 42.82 108.29 11 13 13 1373.1 -26.62 11.68
 110.00 22 15 57 4716.87 31.31 195.85 44.75 75.53 23 34 33 4116.9 29.01 187.40

DIFFERENTIAL CORRECTIONS

TOE .9198 TRA-2.2427 TC3 -.2081 BAU .1874
 RDE -.4978 RRA -.3895 RC3 .0796 FAU .01642
 FDE -.7396 FRA 1.2977 FC3 -.2260 BSP 5540
 BDE 1.0459 BRA 2.2762 BC3 .2228 FSP -258

MID-COURSE EXECUTION ACCURACY

SGT 1782.4 SGR 473.8 SG3 98.3
 RRT .2079 RRF -.2175 RTF -.8665
 SGB 1844.3 R23 -.0248 R13 -.8670
 SG1 1785.3 SG2 462.7 TMA 3.39

ORBIT DETERMINATION ACCURACY

ST 823.3 SR 369.4 SS 744.9
 CRT -.6506 CRS -.7545 CST .9888
 LSA 1138.6 MSA 269.2 SSA 16.9
 EL1 861.7 EL2 268.0 ALF 161.92

LAUNCH DATE APR 27 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 24.473 GAL 12.57 AZL 92.83 MCA 96.19 SMA 114.02 ECC .38108 INC 2.8272 V1 29.593
 RP 108.94 LAP -2.81 LOP 312.26 VP 35.671 GAP -22.26 AZP 89.69 TAL 157.75 TAP 253.94 RCA 70.57 APO 157.47 V2 34.784
 RC 47.750 GL -8.90 GP 5.34 ZAL 50.24 ZAP 9.26 ETS 216.49 ZAE 152.38 ETE 148.33 ZAC 122.53 ETC 22.16 CLP 7.58

PLANETOCENTRIC CONIC
 C3 57.955 VML 7.613 DLA -2.84 RAL 164.04 RAD 6569.1 VEL 13.391 PTH 2.45 VHP 13.687 OPA 22.84 RAP 144.96 ECC 1.9538
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 20 54 2390.81 -23.42 52.96 42.82 106.39 9 0 45 1790.8 -20.95 45.16
 90.00 19 36 46 5211.08 26.27 234.03 45.10 79.03 21 3 37 4611.1 24.49 225.81
 100.00 9 40 55 2132.69 -24.77 33.54 42.37 107.29 10 16 28 1532.7 -22.17 25.70
 100.00 20 59 26 4944.44 27.65 214.11 44.79 78.17 22 21 50 4344.4 25.74 205.83
 110.00 10 46 8 1928.57 -28.40 16.68 41.00 109.87 11 18 16 1328.6 -25.43 8.76
 110.00 22 10 43 4721.32 31.39 196.18 43.79 75.71 23 29 25 4121.3 29.11 187.71

DIFFERENTIAL CORRECTIONS
 TOE .9251 TRA-2.2358 TC3 -.2039 BAU .1725 SGT 1849.2 SGR 468.2 SG3 106.3 ST 860.4 SR 356.8 SS 780.5
 RDE -.4603 RRA -.3769 RC3 .0894 FAU .01702 RRT .2252 RRF -.2372 RTF -.8746 CRT -.6456 CRS -.7524 CST .9883
 FDE -.7788 FRA 1.3414 FC3 -.2542 BSP 5779 SGB 1907.6 R23 -.0282 R13 -.8752 LSA 1185.9 MSA 264.9 SSA 17.0
 BOE 1.0333 BRA 2.2673 BC3 .2226 FSP -282 SGI 1852.4 SG2 455.4 THA 3.47 EL1 893.8 EL2 262.3 ALF 163.56

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 27 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 24.707 GAL 12.05 AZL 92.95 MCA 99.35 SMA 115.15 ECC .36604 INC 2.9506 V1 29.593
 RP 108.94 LAP -2.91 LOP 315.42 VP 35.832 GAP -21.26 AZP 89.52 TAL 157.29 TAP 256.64 RCA 73.00 APO 157.31 V2 34.785
 RC 46.594 GL -9.80 GP 5.68 ZAL 49.99 ZAP 8.42 ETS 223.62 ZAE 153.91 ETE 144.00 ZAC 120.72 ETC 21.70 CLP 6.23

PLANETOCENTRIC CONIC
 C3 53.441 VML 7.310 DLA -3.81 RAL 164.04 RAD 6568.9 VEL 13.221 PTH 2.42 VHP 13.115 OPA 22.61 RAP 146.93 ECC 1.8795
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 28 9 2340.65 -22.41 49.63 41.09 107.77 9 7 10 1740.7 -19.78 41.95
 90.00 19 29 32 5221.31 26.40 234.75 44.05 79.37 20 56 33 4621.3 24.66 226.51
 100.00 9 47 43 2084.01 -23.74 30.28 40.62 108.71 10 22 27 1484.0 -20.97 22.58
 100.00 20 52 39 4953.19 27.77 214.73 43.75 78.47 22 15 13 4353.2 25.90 206.43
 110.00 10 51 52 1883.17 -27.32 13.59 39.17 111.40 11 23 15 1283.2 -24.16 5.85
 110.00 22 5 0 4726.79 31.48 196.58 42.78 75.93 23 23 46 4126.8 29.23 188.09

DIFFERENTIAL CORRECTIONS
 TOE .9313 TRA-2.2267 TC3 -.1972 BAU .1580 SGT 1917.1 SGR 462.3 SG3 115.2 ST 899.0 SR 342.8 SS 818.5
 RDE -.4233 RRA -.3651 RC3 .1001 FAU .01768 RRT .2452 RRF -.2599 RTF -.8824 CRT -.6394 CRS -.7491 CST .9879
 FDE -.8216 FRA 1.3874 FC3 -.2863 BSP 6021 SGB 1972.1 R23 -.0321 R13 -.8830 LSA 1236.0 MSA 260.0 SSA 17.0
 BOE 1.0230 BRA 2.2565 BC3 .2212 FSP -308 SGI 1920.7 SG2 447.4 THA 3.58 EL1 927.6 EL2 255.4 ALF 165.15

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 27 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 24.925 GAL 11.55 AZL 93.08 MCA 102.51 SMA 116.25 ECC .35172 INC 3.0763 V1 29.593
 RP 108.94 LAP -3.00 LOP 318.59 VP 35.985 GAP -20.29 AZP 89.33 TAL 156.86 TAP 259.37 RCA 75.36 APO 157.14 V2 34.786
 RC 45.578 GL -10.75 GP 6.06 ZAL 49.81 ZAP 7.76 ETS 232.43 ZAE 155.38 ETE 138.93 ZAC 118.91 ETC 21.27 CLP 4.87

PLANETOCENTRIC CONIC
 C3 49.351 VML 7.025 DLA -4.82 RAL 163.97 RAD 6568.8 VEL 13.066 PTH 2.38 VHP 12.561 OPA 22.39 RAP 148.90 ECC 1.8122
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 35 27 2289.34 -21.31 46.27 39.35 109.10 9 13 36 1689.3 -18.51 38.72
 90.00 19 21 40 5233.04 26.54 235.58 42.95 79.76 20 48 53 4633.0 24.86 227.32
 100.00 9 54 32 2034.25 -22.62 27.01 38.85 110.08 10 28 26 1434.3 -19.68 19.45
 100.00 20 45 17 4963.36 27.91 215.46 42.66 78.83 22 8 0 4363.4 26.08 207.13
 110.00 10 57 34 1836.87 -26.13 10.52 37.33 112.87 11 28 11 1236.9 -22.80 2.94
 110.00 21 58 43 4733.51 31.59 197.07 41.73 76.21 23 17 37 4133.5 29.37 188.56

DIFFERENTIAL CORRECTIONS
 TOE .9381 TRA-2.2154 TC3 -.1880 BAU .1443 SGT 1985.7 SGR 456.4 SG3 124.9 ST 938.8 SR 327.1 SS 859.0
 RDE -.3865 RRA -.3544 RC3 .1119 FAU .01839 RRT .2685 RRF -.2863 RTF -.8897 CRT -.6315 CRS -.7440 CST .9875
 FDE -.8687 FRA 1.4359 FC3 -.3227 BSP 6264 SGB 2037.5 R23 -.0365 R13 -.8903 LSA 1288.9 MSA 254.5 SSA 17.0
 BOE 1.0146 BRA 2.2436 BC3 .2187 FSP -336 SGI 1989.7 SG2 438.7 THA 3.71 EL1 962.9 EL2 247.3 ALF 166.70

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 27 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 25.130 GAL 11.07 AZL 93.21 MCA 105.67 SMA 117.30 ECC .33810 INC 3.2051 V1 29.593
 RP 108.93 LAP -3.09 LOP 321.75 VP 36.129 GAP -19.35 AZP 89.13 TAL 156.47 TAP 262.14 RCA 77.64 APO 156.96 V2 34.788
 RC 44.711 GL -11.78 GP 6.48 ZAL 49.71 ZAP 7.36 ETS 242.85 ZAE 156.70 ETE 133.03 ZAC 117.10 ETC 20.87 CLP 3.49

PLANETOCENTRIC CONIC
 C3 45.654 VML 6.757 DLA -5.87 RAL 163.82 RAD 6568.7 VEL 12.924 PTH 2.36 VHP 12.025 OPA 22.21 RAP 150.86 ECC 1.7513
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 42 50 2236.83 -20.10 42.90 37.60 110.37 9 20 7 1636.8 -17.15 35.47
 90.00 19 13 8 5246.56 26.70 236.54 41.83 80.21 20 40 34 4646.6 25.08 228.25
 100.00 10 1 24 1983.39 -21.39 23.73 37.08 111.39 10 34 27 1383.4 -18.30 16.31
 100.00 20 37 15 4975.23 28.06 216.31 41.55 79.25 22 0 10 4375.2 26.29 207.95
 110.00 11 3 17 1789.66 -24.84 7.45 35.50 114.27 11 33 6 1189.7 -21.35 .04
 110.00 21 51 52 4741.73 31.72 197.67 40.64 76.54 23 10 53 4141.7 29.55 189.14

DIFFERENTIAL CORRECTIONS
 TOE .9459 TRA-2.2021 TC3 -.1757 BAU .1315 SGT 2055.1 SGR 450.5 SG3 135.5 ST 980.1 SR 309.7 SS 902.4
 RDE -.3500 RRA -.3450 RC3 .1247 FAU .01918 RRT .2959 RRF -.3170 RTF -.8967 CRT -.6208 CRS -.7364 CST .9871
 FDE -.9206 FRA 1.4873 FC3 -.3637 BSP 6510 SGB 2103.9 R23 -.0415 R13 -.8974 LSA 1344.9 MSA 248.6 SSA 17.0
 BOE 1.0086 BRA 2.2290 BC3 .2154 FSP -368 SGI 2059.7 SG2 429.4 THA 3.88 EL1 999.9 EL2 238.0 ALF 168.23

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 27 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 276.248

RL 150.56 LAL .00 LOL 216.06 VL 25.321 GAL 10.61 AZL 93.34 MCA 108.83 SMA 118.31 ECC .32518 INC 3.3380 V1 29.593
 RP 108.92 LAP -3.16 LOP 324.92 VP 36.264 GAP -18.44 AZP 88.92 TAL 156.11 TAP 264.94 RCA 79.84 APO 156.78 V2 34.791
 RC 44.000 GL -12.87 GP 6.95 ZAL 49.70 ZAP 7.26 ETS 254.34 ZAE 157.82 ETE 126.26 ZAC 115.29 ETC 20.50 CLP 2.09

PLANETOCENTRIC CONIC

C3 42.321 VML 6.505 DLA -6.97 RAL 163.60 RAD 6568.6 VEL 12.794 PTH 2.33 VMP 11.508 DPA 22.07 RAP 152.82 ECC 1.6965
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 50 21 2183.03 -18.79 39.49 35.86 111.58 9 26 44 1583.0 -15.69 32.19
 90.00 19 3 50 5262.20 26.88 237.65 40.67 80.74 20 31 32 4662.2 25.33 229.33
 100.00 10 8 22 1931.36 -20.06 20.44 35.31 112.64 10 40 33 1331.4 -16.82 13.15
 100.00 20 28 30 4989.11 28.23 217.30 40.41 79.75 21 51 40 4389.1 26.53 208.91
 110.00 11 9 0 1741.51 -23.46 4.40 33.68 115.61 11 38 2 1141.5 -19.82 357.17
 110.00 21 44 22 4751.72 31.88 198.41 39.54 76.95 23 3 33 4151.7 29.75 189.84

DIFFERENTIAL CORRECTIONS

TDE .9574 TRA-2.1835 TC3 -.1577 BAU .1188
 RDE -.3134 RRA -.3368 RC3 .1388 FAU .02008
 FDE -.9791 FRA 1.5407 FC3 -.4107 BSP 6822
 BDE 1.0074 BRA 2.2094 BC3 .2100 FSP -404

MID-COURSE EXECUTION ACCURACY

SGT 2122.9 SGR 445.1 SG3 147.1
 RRT .3273 RRF -.3524 RTF -.9037
 SGB 2169.1 R23 -.0472 R13 -.9045
 SGI 2128.1 SG2 419.6 TMA 4.08

ORBIT DETERMINATION ACCURACY

ST 1024.1 SR 290.3 SS 949.5
 CRT -.6077 CRS -.7257 CST .9870
 LSA 1403.7 MSA 241.7 SSA 17.0
 ELI 1040.0 EL2 227.0 ALF 169.73

LAUNCH DATE APR 27 1967

FLIGHT TIME 120.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 282.984

RL 150.56 LAL .00 LOL 216.06 VL 25.499 GAL 10.18 AZL 93.48 MCA 111.99 SMA 119.27 ECC .31293 INC 3.4760 V1 29.593
 RP 108.91 LAP -3.22 LOP 328.09 VP 36.392 GAP -17.56 AZP 88.70 TAL 155.79 TAP 267.78 RCA 81.95 APO 156.59 V2 34.795
 RC 43.455 GL -14.04 GP 7.49 ZAL 49.76 ZAP 7.52 ETS 265.88 ZAE 158.63 ETE 118.69 ZAC 113.48 ETC 20.15 CLP .67

PLANETOCENTRIC CONIC

C3 39.326 VML 6.271 DLA -8.11 RAL 163.30 RAD 6568.5 VEL 12.676 PTH 2.30 VMP 11.008 DPA 21.97 RAP 154.77 ECC 1.6472
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 58 4 2127.85 -17.37 36.06 34.14 112.72 9 33 32 1527.9 -14.15 28.87
 90.00 18 53 43 5280.32 27.07 238.94 39.50 81.36 20 21 43 4680.3 25.60 230.58
 100.00 10 15 29 1878.08 -18.63 17.13 33.57 113.81 10 46 48 1278.1 -15.26 9.96
 100.00 20 18 59 5005.33 28.42 218.47 39.26 80.34 21 42 24 4405.3 26.80 210.05
 110.00 11 14 48 1692.40 -21.98 1.35 31.88 116.86 11 43 0 1092.4 -18.20 354.26
 110.00 21 36 10 4763.77 32.06 199.30 38.43 77.45 22 55 34 4163.8 30.00 190.70

DIFFERENTIAL CORRECTIONS

TDE .9676 TRA-2.1661 TC3 -.1389 BAU .1090
 RDE -.2766 RRA -.3304 RC3 .1540 FAU .02102
 FDE -1.0433 FRA 1.5984 FC3 -.4628 BSP 7065
 BDE 1.0064 BRA 2.1911 BC3 .2074 FSP -442

MID-COURSE EXECUTION ACCURACY

SGT 2192.7 SGR 440.7 SG3 159.8
 RRT .3648 RRF -.3938 RTF -.9099
 SGB 2236.6 R23 -.0536 R13 -.9107
 SGI 2198.8 SG2 409.2 TMA 4.34

ORBIT DETERMINATION ACCURACY

ST 1068.3 SR 268.9 SS 999.7
 CRT -.5870 CRS -.7089 CST .9868
 LSA 1468.7 MSA 235.2 SSA 16.9
 ELI 1080.4 EL2 215.2 ALF 171.25

LAUNCH DATE APR 27 1967

FLIGHT TIME 122.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 289.726

RL 150.56 LAL .00 LOL 216.06 VL 25.665 GAL 9.77 AZL 93.62 MCA 115.15 SMA 120.19 ECC .30135 INC 3.6203 V1 29.593
 RP 108.90 LAP -3.28 LOP 331.25 VP 36.513 GAP -16.71 AZP 88.46 TAL 155.51 TAP 270.66 RCA 83.97 APO 156.41 V2 34.799
 RC 43.079 GL -15.30 GP 8.09 ZAL 49.92 ZAP 8.12 ETS 276.41 ZAE 159.05 ETE 110.53 ZAC 111.67 ETC 19.82 CLP -.77

PLANETOCENTRIC CONIC

C3 36.645 VML 6.054 DLA -9.32 RAL 162.92 RAD 6568.4 VEL 12.570 PTH 2.28 VMP 10.525 DPA 21.93 RAP 156.71 ECC 1.6031
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 6 3 2071.16 -15.85 32.60 32.44 113.78 9 40 34 1471.2 -12.50 25.52
 90.00 18 42 41 5301.33 27.28 240.44 38.33 82.09 20 11 2 4701.3 25.90 232.05
 100.00 10 22 50 1823.46 -17.10 13.80 31.85 114.90 10 53 13 1223.5 -15.60 6.75
 100.00 20 8 35 5024.27 28.63 219.84 38.10 81.03 21 32 20 4424.3 27.10 211.37
 110.00 11 20 41 1642.28 -20.41 358.31 30.11 118.04 11 48 4 1042.3 -16.50 351.37
 110.00 21 27 13 4778.21 32.27 200.38 37.32 78.05 22 46 51 4178.2 30.29 191.72

DIFFERENTIAL CORRECTIONS

TDE .9803 TRA-2.1460 TC3 -.1155 BAU .1009
 RDE -.2393 RRA -.3259 RC3 .1706 FAU .02205
 FDE -1.1153 FRA 1.6596 FC3 -.5208 BSP 7329
 BDE 1.0091 BRA 2.1706 BC3 .2060 FSP -485

MID-COURSE EXECUTION ACCURACY

SGT 2262.1 SGR 437.8 SG3 173.8
 RRT .4083 RRF -.4414 RTF -.9160
 SGB 2304.1 R23 -.0607 R13 -.9169
 SGI 2269.4 SG2 398.4 TMA 4.66

ORBIT DETERMINATION ACCURACY

ST 1114.6 SR 245.3 SS 1053.7
 CRT -.5572 CRS -.6834 CST .9866
 LSA 1536.3 MSA 228.3 SSA 16.7
 ELI 1123.2 EL2 202.1 ALF 172.78

LAUNCH DATE APR 27 1967

FLIGHT TIME 124.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 296.471

RL 150.56 LAL .00 LOL 216.06 VL 25.820 GAL 9.37 AZL 93.77 MCA 118.31 SMA 121.06 ECC .29041 INC 3.7724 V1 29.593
 RP 108.88 LAP -3.32 LOP 334.42 VP 36.627 GAP -15.89 AZP 88.21 TAL 155.26 TAP 273.57 RCA 85.90 APO 156.22 V2 34.804
 RC 42.876 GL -16.64 GP 8.77 ZAL 50.16 ZAP 9.05 ETS 285.29 ZAE 159.03 ETE 102.14 ZAC 109.87 ETC 19.52 CLP -2.25

PLANETOCENTRIC CONIC

C3 34.259 VML 5.853 DLA -10.58 RAL 162.45 RAD 6568.4 VEL 12.475 PTH 2.26 VMP 10.060 DPA 21.97 RAP 158.66 ECC 1.5638
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 14 23 2012.78 -14.22 29.09 30.77 114.75 9 47 56 1412.8 -10.76 22.12
 90.00 18 30 37 5325.70 27.49 242.19 37.16 82.94 19 59 23 4725.7 26.23 233.75
 100.00 10 30 27 1767.35 -15.46 10.44 30.16 115.91 10 59 54 1167.4 -11.85 3.51
 100.00 19 57 14 5046.36 28.86 221.44 36.95 81.84 21 21 21 4446.4 27.43 212.93
 110.00 11 26 44 1591.09 -18.74 355.28 28.38 119.13 11 53 15 991.1 -14.71 348.47
 110.00 21 17 26 4795.39 32.50 201.66 36.23 78.78 22 37 22 4195.4 30.62 192.95

DIFFERENTIAL CORRECTIONS

TDE .9948 TRA-2.1238 TC3 -.0907 BAU .0959
 RDE -.2011 RRA -.3237 RC3 .1886 FAU .02316
 FDE -1.1963 FRA 1.7248 FC3 -.5854 BSP 7551
 BDE 1.0149 BRA 2.1483 BC3 .2093 FSP -531

MID-COURSE EXECUTION ACCURACY

SGT 2330.8 SGR 437.5 SG3 189.1
 RRT .4576 RRF -.4954 RTF -.9213
 SGB 2371.5 R23 -.0696 R13 -.9224
 SGI 2339.6 SG2 387.5 TMA 5.05

ORBIT DETERMINATION ACCURACY

ST 1162.2 SR 219.4 SS 1112.2
 CRT -.5111 CRS -.6431 CST .9866
 LSA 1608.3 MSA 221.4 SSA 16.6
 ELI 1167.8 EL2 187.7 ALF 174.34

LAUNCH DATE APR 27 1967 FLIGHT TIME 126.00 ARRIVAL DATE AUG 31 1967

MELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 25.964 GAL 9.00 AZL 93.93 MCA 121.47 SMA 121.89 ECC .28010 INC 3.9338 V1 29.593
 RP 108.87 LAP -3.35 LOP 337.59 VP 36.733 GAP -15.09 AZP 87.94 TAL 155.05 TAP 276.52 RCA 87.75 APO 156.03 V2 34.809
 RC 42.849 GL -18.08 GP 9.54 ZAL 50.51 ZAP 10.25 ETS 292.37 ZAE 158.55 ETE 93.96 ZAC 108.08 ETC 19.24 CLP -3.76

PLANETOCENTRIC CONIC
 C3 32.149 VML 5.670 DLA -11.91 RAL 161.89 RAD 6568.3 VEL 12.390 PTH 2.24 VMP 9.613 DPA 22.08 RAP 160.60 ECC 1.5291
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 23 10 1952.46 -12.47 25.53 29.16 115.63 9 55 43 1352.5 -8.92 18.65
 90.00 18 17 24 5353.96 27.71 244.23 36.00 83.94 19 46 38 4754.0 26.59 235.75
 100.00 10 38 27 1709.57 -13.71 7.04 28.53 116.82 11 6 57 1109.6 -10.00 .21
 100.00 19 44 48 5072.09 29.09 223.32 35.82 82.81 21 9 20 4472.1 27.79 214.76
 110.00 11 33 1 1538.72 -16.98 352.24 26.69 120.12 11 58 39 938.7 -12.85 345.57
 110.00 21 6 44 4815.71 32.76 203.19 35.16 79.65 22 27 0 4215.7 30.99 194.42

DIFFERENTIAL CORRECTIONS
 TOE 1.0119 TRA-2.0999 TC3 -.0621 BAU .0933
 RDE -.1613 RRA -.3240 RC3 .2081 FAU .02437
 FDE-1.2880 FRA 1.7939 FC3 -.6563 BSP 7780
 BOE 1.0247 BRA 2.1247 BC3 .2172 FSP -582

MID-COURSE EXECUTION ACCURACY
 SGT 2398.6 SGR 440.7 SG3 205.9
 RRT .5130 RRF -.5554 RTF -.9264
 SGB 2438.8 R23 -.0793 R13 -.9277
 SGI 2409.5 SG2 378.6 TMA 5.52

ORBIT DETERMINATION ACCURACY
 ST 1211.9 SR 191.6 SS 1175.6
 CRT -.4367 CRS -.5762 CST .9866
 LSA 1685.6 MSA 214.6 SSA 16.3
 EL1 1214.9 EL2 171.9 ALF 175.97

LAUNCH DATE APR 27 1967 FLIGHT TIME 128.00 ARRIVAL DATE SEP 2 1967

MELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 26.097 GAL 8.65 AZL 94.11 MCA 124.64 SMA 122.68 ECC .27040 INC 4.1066 V1 29.593
 RP 108.85 LAP -3.38 LOP 340.77 VP 36.834 GAP -14.32 AZP 87.66 TAL 154.87 TAP 279.50 RCA 89.50 APO 155.85 V2 34.815
 RC 42.995 GL -19.61 GP 10.43 ZAL 50.96 ZAP 11.69 ETS 297.83 ZAE 157.62 ETE 86.40 ZAC 106.29 ETC 18.97 CLP -5.31

PLANETOCENTRIC CONIC
 C3 30.301 VML 5.505 DLA -13.31 RAL 161.25 RAD 6568.2 VEL 12.316 PTH 2.22 VMP 9.184 DPA 22.30 RAP 162.56 ECC 1.4987
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 32 34 1889.89 -10.60 21.88 27.61 116.41 10 4 4 1289.9 -6.97 15.08
 90.00 18 2 51 5386.78 27.93 246.61 34.87 85.12 19 32 38 4786.8 26.96 238.08
 100.00 10 46 58 1649.86 -11.85 3.58 26.96 117.64 11 14 27 1049.9 -8.06 356.85
 100.00 19 31 8 5102.04 29.33 225.51 34.71 83.94 20 56 10 4502.0 28.18 216.90
 110.00 11 39 35 1485.05 -15.12 349.19 25.07 121.03 12 4 20 885.0 -10.89 342.63
 110.00 20 55 0 4839.62 33.04 205.00 34.13 80.69 22 15 40 4239.6 31.40 196.16

DIFFERENTIAL CORRECTIONS
 TOE 1.0318 TRA-2.0738 TC3 -.0304 BAU .0937
 RDE -.1194 RRA -.3273 RC3 .2293 FAU .02567
 FDE-1.3919 FRA 1.8673 FC3 -.7335 BSP 8008
 BOE 1.0387 BRA 2.0995 BC3 .2313 FSP -638

MID-COURSE EXECUTION ACCURACY
 SGT 2464.6 SGR 449.1 SG3 224.3
 RRT .5733 RRF -.6200 RTF -.9313
 SGB 2505.2 R23 -.0904 R13 -.9328
 SGI 2478.4 SG2 366.0 TMA 6.10

ORBIT DETERMINATION ACCURACY
 ST 1263.4 SR 162.9 SS 1244.2
 CRT -.3091 CRS -.4580 CST .9867
 LSA 1768.4 MSA 208.1 SSA 15.9
 EL1 1264.4 EL2 154.8 ALF 177.68

LAUNCH DATE APR 27 1967 FLIGHT TIME 130.00 ARRIVAL DATE SEP 4 1967

MELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 26.221 GAL 8.31 AZL 94.29 MCA 127.80 SMA 123.42 ECC .26128 INC 4.2932 V1 29.593
 RP 108.83 LAP -3.39 LOP 343.94 VP 36.928 GAP -13.57 AZP 87.37 TAL 154.72 TAP 282.52 RCA 91.17 APO 155.66 V2 34.822
 RC 43.312 GL -21.26 GP 11.45 ZAL 51.51 ZAP 13.34 ETS 301.95 ZAE 156.30 ETE 79.76 ZAC 104.50 ETC 18.71 CLP -6.90

PLANETOCENTRIC CONIC
 C3 28.703 VML 5.358 DLA -14.79 RAL 160.50 RAD 6568.2 VEL 12.251 PTH 2.20 VMP 8.773 DPA 22.65 RAP 164.52 ECC 1.4724
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 42 45 1824.61 -8.60 18.13 26.13 117.08 10 13 9 1224.6 -4.90 11.40
 90.00 17 46 45 5424.94 28.12 249.39 33.77 86.50 19 17 10 4824.9 27.33 240.81
 100.00 10 56 7 1587.87 -9.87 .05 25.46 118.36 11 22 35 987.9 -6.00 353.39
 100.00 19 16 4 5136.91 29.55 228.08 33.65 85.27 20 41 40 4536.9 28.58 219.41
 110.00 11 46 33 1429.89 -13.16 346.12 23.51 121.84 12 10 23 829.9 -8.86 339.66
 110.00 20 42 7 4867.66 33.33 207.14 33.15 81.92 22 3 14 4267.7 31.85 198.22

DIFFERENTIAL CORRECTIONS
 TOE 1.0554 TRA-2.0459 TC3 .0040 BAU .0968
 RDE -.0745 RRA -.3342 RC3 .2521 FAU .02707
 FDE-1.5105 FRA 1.9448 FC3 -.8164 BSP 8227
 BOE 1.0580 BRA 2.0730 BC3 .2522 FSP -699

MID-COURSE EXECUTION ACCURACY
 SGT 2528.7 SGR 464.7 SG3 244.4
 RRT .6363 RRF -.6668 RTF -.9359
 SGB 2571.1 R23 -.1027 R13 -.9377
 SGI 2546.3 SG2 356.0 TMA 6.80

ORBIT DETERMINATION ACCURACY
 ST 1317.1 SR 136.8 SS 1318.7
 CRT -.0810 CRS -.2389 CST .9869
 LSA 1857.8 MSA 201.9 SSA 15.5
 EL1 1317.1 EL2 136.3 ALF 179.51

LAUNCH DATE APR 27 1967 FLIGHT TIME 132.00 ARRIVAL DATE SEP 6 1967

MELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 26.336 GAL 7.99 AZL 94.50 MCA 130.97 SMA 124.11 ECC .25274 INC 4.4965 V1 29.593
 RP 108.80 LAP -3.39 LOP 347.11 VP 37.017 GAP -12.84 AZP 87.05 TAL 154.61 TAP 285.57 RCA 92.74 APO 155.48 V2 34.830
 RC 43.796 GL -23.02 GP 12.62 ZAL 52.18 ZAP 15.20 ETS 304.99 ZAE 154.65 ETE 74.17 ZAC 102.72 ETC 18.46 CLP -8.54

PLANETOCENTRIC CONIC
 C3 27.349 VML 5.230 DLA -16.35 RAL 159.66 RAD 6568.1 VEL 12.195 PTH 2.19 VMP 8.382 DPA 23.15 RAP 166.51 ECC 1.4501
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 53 58 1755.95 -6.45 14.23 24.76 117.63 10 23 14 1155.9 -2.70 7.56
 90.00 17 28 47 5469.51 28.26 252.64 32.70 88.12 18 59 57 4869.5 27.70 244.02
 100.00 11 6 8 1523.11 -7.75 356.40 24.05 118.96 11 31 31 923.1 -3.83 349.81
 100.00 18 59 19 5177.58 29.74 231.09 32.63 86.84 20 25 36 4577.6 28.99 222.37
 110.00 11 54 3 1372.99 -11.09 343.00 22.04 122.54 12 16 56 773.0 -6.72 336.64
 110.00 20 27 53 4900.46 33.61 209.66 32.24 83.39 21 49 34 4300.5 32.33 200.66

DIFFERENTIAL CORRECTIONS
 TOE 1.0869 TRA-2.0124 TC3 .0407 BAU .1026
 RDE -.0250 RRA -.3451 RC3 .2770 FAU .02863
 FDE-1.6481 FRA 2.0242 FC3 -.9063 BSP 8525
 BOE 1.0872 BRA 2.0418 BC3 .2806 FSP -770

MID-COURSE EXECUTION ACCURACY
 SGT 2588.4 SGR 489.9 SG3 266.3
 RRT .6989 RRF -.7522 RTF -.9407
 SGB 2634.4 R23 -.1156 R13 -.9429
 SGI 2611.4 SG2 347.3 TMA 7.67

ORBIT DETERMINATION ACCURACY
 ST 1376.0 SR 121.7 SS 1400.9
 CRT .2916 CRS .1388 CST .9874
 LSA 1957.6 MSA 195.2 SSA 14.9
 EL1 1376.4 EL2 116.3 ALF 1.49

LAUNCH DATE APR 27 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 330.161

RL 150.56 LAL .00 LOL 216.06 VL 26.443 GAL 7.70 AZL 94.72 HCA 134.13 SMA 124.77 ECC .24476 INC 4.7205 V1 29.593
 RP 108.78 LAP -3.39 LOP 350.29 VP 37.101 GAP -12.14 AZP 86.71 TAL 154.53 TAP 288.66 RCA 94.23 APO 155.31 V2 34.838
 RC 44.440 GL -24.90 GP 13.99 ZAL 52.97 ZAP 17.27 ETS 307.17 ZAE 152.74 ETE 69.64 ZAC 100.93 ETC 18.21 CLP -10.24

PLANETOCENTRIC CONIC

C3 26.237 VML 5.122 DLA -18.01 RAL 158.71 RAD 6568.1 VEL 12.150 PTH 2.18 VMP 8.012 DPA 23.83 RAP 168.54 ECC 1.4318
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 6 36 1682.95 -4.13 10.12 23.51 118.04 10 34 39 1083.0 -1.34 3.48
 90.00 17 8 35 5521.89 28.32 256.47 31.69 90.04 18 40 36 4921.9 28.02 247.82
 100.00 11 17 17 1454.84 -5.49 352.60 22.76 119.43 11 41 32 854.8 -1.52 346.06
 100.00 18 40 34 5225.23 29.87 234.63 31.67 88.70 20 7 39 4625.2 29.37 225.86
 110.00 12 2 14 1314.02 -8.92 339.82 20.66 123.14 12 24 8 714.0 -4.49 333.53
 110.00 20 12 7 4938.82 33.88 212.62 31.41 85.12 21 34 26 4338.8 32.83 203.54

DIFFERENTIAL CORRECTIONS

TDE 1.1198 TRA-1.9808 TC3 .0807 BAU .1102
 RDE .0302 RRA -.3610 RC3 .3037 FAU .03017
 FDE-1.8036 FRA 2.1085 FC3 -.9955 BSP 8722
 BDE 1.1202 BRA 2.0134 BC3 .3142 FSP -842

MID-COURSE EXECUTION ACCURACY

SGT 2646.4 SGR 527.5 SG3 289.9
 RRT .7574 RRF -.8127 RTF -.9447
 SGB 2698.5 R23 -.1303 R13 -.9474
 SGI 2676.9 SG2 340.5 TMA 8.73

ORBIT DETERMINATION ACCURACY

ST 1434.3 SR 132.1 SS 1488.6
 CRT .6930 CRS .5742 CST .9878
 LSA 2062.6 MSA 190.3 SSA 14.2
 EL1 1437.3 EL2 95.1 ALF 3.67

LAUNCH DATE APR 27 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 336.878

RL 150.56 LAL .00 LOL 216.06 VL 26.541 GAL 7.41 AZL 94.97 HCA 137.30 SMA 125.38 ECC .23731 INC 4.9700 V1 29.593
 RP 108.75 LAP -3.37 LOP 353.47 VP 37.179 GAP -11.45 AZP 86.34 TAL 154.47 TAP 291.77 RCA 95.63 APO 155.14 V2 34.846
 RC 45.237 GL -26.92 GP 15.58 ZAL 53.88 ZAP 19.58 ETS 308.65 ZAE 150.61 ETE 66.12 ZAC 99.14 ETC 17.96 CLP -12.00

PLANETOCENTRIC CONIC

C3 25.370 VML 5.037 DLA -19.77 RAL 157.64 RAD 6568.0 VEL 12.114 PTH 2.17 VMP 7.664 DPA 24.73 RAP 170.63 ECC 1.4175
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 21 11 1604.08 -1.59 5.71 22.43 118.28 10 47 55 1004.1 2.20 359.08
 90.00 16 45 28 5584.14 28.23 261.02 30.70 92.32 18 18 32 4984.1 28.25 252.36
 100.00 11 30 1 1381.98 -3.04 348.58 21.63 119.75 11 53 3 782.0 .95 342.06
 100.00 18 19 20 5281.47 29.88 238.81 30.76 90.90 19 47 21 4681.5 29.69 230.01
 110.00 12 11 20 1252.46 -6.61 336.55 19.42 123.61 12 32 13 652.5 -2.15 330.31
 110.00 19 54 30 4983.76 34.08 216.11 30.67 87.18 21 17 33 4383.8 33.31 206.95

DIFFERENTIAL CORRECTIONS

TDE 1.1624 TRA-1.9441 TC3 .1212 BAU .1200
 RDE .0937 RRA -.3826 RC3 .3325 FAU .03183
 FDE-1.9841 FRA 2.1923 FC3 -1.0863 BSP 8998
 BDE 1.1662 BRA 1.9814 BC3 .3539 FSP -924

MID-COURSE EXECUTION ACCURACY

SGT 2699.2 SGR 580.9 SG3 315.3
 RRT .8091 RRF -.8647 RTF -.9489
 SGB 2761.0 R23 -.1443 R13 -.9522
 SGI 2740.5 SG2 336.2 TMA 10.03

ORBIT DETERMINATION ACCURACY

ST 1498.5 SR 175.3 SS 1584.7
 CRT .9094 CRS .8375 CST .9885
 LSA 2180.1 MSA 185.0 SSA 13.4
 EL1 1506.9 EL2 72.5 ALF 6.09

LAUNCH DATE APR 27 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 343.585

RL 150.56 LAL .00 LOL 216.06 VL 26.632 GAL 7.15 AZL 95.25 HCA 140.47 SMA 125.96 ECC .23038 INC 5.2515 V1 29.593
 RP 108.72 LAP -3.34 LOP 356.64 VP 37.252 GAP -10.78 AZP 85.95 TAL 154.44 TAP 294.91 RCA 96.94 APO 154.97 V2 34.856
 RC 46.178 GL -29.08 GP 17.46 ZAL 54.93 ZAP 22.13 ETS 309.57 ZAE 148.27 ETE 63.53 ZAC 97.34 ETC 17.70 CLP -13.82

PLANETOCENTRIC CONIC

C3 24.760 VML 4.976 DLA -21.64 RAL 156.45 RAD 6568.0 VEL 12.089 PTH 2.16 VMP 7.342 DPA 25.90 RAP 172.79 ECC 1.4075
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 38 40 1516.69 1.23 .84 21.58 118.29 11 3 57 916.7 5.00 354.19
 90.00 16 18 28 5659.54 27.90 266.51 29.74 95.05 17 52 47 5059.5 28.31 257.87
 100.00 11 44 58 1302.74 -1.35 344.23 20.70 119.89 12 6 41 702.7 5.63 337.71
 100.00 17 54 52 5348.72 29.70 243.80 29.89 93.52 19 24 0 4748.7 29.88 235.00
 110.00 12 21 42 1187.58 -4.15 333.13 18.33 123.96 12 41 30 587.6 .33 326.92
 110.00 19 34 37 5036.65 34.18 220.24 30.04 89.62 20 58 33 4436.6 33.75 211.02

DIFFERENTIAL CORRECTIONS

TDE 1.2128 TRA-1.9051 TC3 .1602 BAU .1314
 RDE .1686 RRA -.4109 RC3 .3633 FAU .03351
 FDE-2.1913 FRA 2.2742 FC3 -1.1718 BSP 9273
 BDE 1.2245 BRA 1.9489 BC3 .3971 FSP -1013

MID-COURSE EXECUTION ACCURACY

SGT 2746.8 SGR 653.9 SG3 341.9
 RRT .8519 RRF -.9064 RTF -.9528
 SGB 2823.5 R23 -.1573 R13 -.9570
 SGI 2803.5 SG2 335.5 TMA 11.63

ORBIT DETERMINATION ACCURACY

ST 1565.7 SR 247.3 SS 1688.0
 CRT .9798 CRS .9413 CST .9893
 LSA 2308.5 MSA 180.5 SSA 12.4
 EL1 1584.4 EL2 48.9 ALF 8.80

LAUNCH DATE APR 27 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 350.280

RL 150.56 LAL .00 LOL 216.06 VL 26.715 GAL 8.91 AZL 95.57 HCA 143.64 SMA 126.49 ECC .22395 INC 5.5737 V1 29.593
 RP 108.69 LAP -3.30 LOP 359.82 VP 37.321 GAP -10.14 AZP 85.51 TAL 154.44 TAP 298.07 RCA 98.16 APO 154.82 V2 34.865
 RC 47.255 GL -31.41 GP 19.68 ZAL 56.11 ZAP 24.99 ETS 310.01 ZAE 145.73 ETE 61.77 ZAC 95.51 ETC 17.41 CLP -15.71

PLANETOCENTRIC CONIC

C3 24.432 VML 4.943 DLA -23.63 RAL 155.12 RAD 6568.0 VEL 12.075 PTH 2.16 VMP 7.049 DPA 27.40 RAP 175.08 ECC 1.4021
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 0 49 1415.60 4.48 355.18 21.05 117.99 11 24 24 815.6 8.19 348.47
 90.00 15 45 41 5754.08 27.15 273.32 28.73 98.39 17 21 35 5154.1 28.03 264.77
 100.00 12 3 17 1213.93 2.66 339.36 20.05 119.78 12 23 31 613.9 6.60 332.79
 100.00 17 25 53 5430.98 29.21 249.86 29.04 96.68 18 56 24 4831.0 29.82 241.11
 110.00 12 33 49 1118.22 -1.51 329.51 17.44 124.15 12 52 27 518.2 2.98 323.30
 110.00 19 11 51 5099.45 34.10 225.15 29.50 92.52 20 36 51 4499.4 34.07 215.90

DIFFERENTIAL CORRECTIONS

TDE 1.2725 TRA-1.8646 TC3 .1943 BAU .1439
 RDE .2592 RRA -.4472 RC3 .3955 FAU .03507
 FDE-2.4277 FRA 2.3505 FC3 -1.2428 BSP 9547
 BDE 1.2987 BRA 1.9175 BC3 .4407 FSP -1105

MID-COURSE EXECUTION ACCURACY

SGT 2789.0 SGR 750.6 SG3 369.3
 RRT .8833 RRF -.9378 RTF -.9565
 SGB 2888.2 R23 -.1682 R13 -.9617
 SGI 2868.2 SG2 339.4 TMA 13.60

ORBIT DETERMINATION ACCURACY

ST 1636.1 SR 345.3 SS 1798.1
 CRT .9973 CRS .9784 CST .9901
 LSA 2449.0 MSA 176.8 SSA 11.4
 EL1 1672.0 EL2 24.8 ALF 11.89

LAUNCH DATE APR 27 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 356.961

RL 150.56 LAL .00 LOL 216.06 VL 26.792 GAL 6.68 AZL 95.95 MCA 146.80 SMA 126.99 ECC .21800 INC 5.9484 V1 29.593
 RP 108.66 LAP -3.25 LOP 3.01 VP 37.385 GAP -9.50 AZP 85.02 TAL 154.45 TAP 301.25 RCA 99.30 APO 154.67 V2 34.875
 RC 48.458 GL -33.92 GP 22.33 ZAL 57.46 ZAP 28.19 ETS 310.04 ZAE 142.95 ETE 60.76 ZAC 93.65 ETC 17.07 CLP -17.66

PLANETOCENTRIC CONIC

C3 24.427 VHL 4.942 DLA -25.76 RAL 153.62 RAD 6568.0 VEL 12.075 PTH 2.16 VHP 6.792 DPA 29.29 RAP 177.55 ECC 1.4020
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 31 55 1287.65 8.51 347.95 21.08 117.11 11 53 23 687.7 12.08 341.09
 90.00 15 2 37 5881.92 25.55 282.34 27.49 102.63 16 40 39 5281.9 27.04 273.99
 100.00 12 27 19 1108.74 6.19 333.55 19.82 119.30 12 45 48 508.7 10.05 326.89
 100.00 16 49 54 5536.07 28.13 257.49 28.08 100.55 18 22 10 4936.1 29.30 248.88
 110.00 12 48 28 1042.40 1.39 325.55 16.85 124.16 13 5 50 442.4 5.86 319.32
 110.00 18 45 15 5175.17 33.72 231.02 29.03 95.98 20 11 30 4575.2 34.18 221.81

DIFFERENTIAL CORRECTIONS

TDE 1.3609 TRA-1.8060 TC3 .2487 BAU .1627
 RDE .3735 RRA -.4906 RC3 .4316 FAU .03704
 FDE-2.7087 FRA 2.3992 FC3-1.3128 BSP 10214
 BDE 1.4112 BRA 1.8715 BC3 .4981 FSP -1225

MID-COURSE EXECUTION ACCURACY

SGT 2820.3 SGR 876.5 SG3 396.7
 RRT .9127 RRF -.9600 RTF -.9616
 SGB 2953.4 R23 -.1689 R13 -.9679
 SG1 2933.2 SG2 344.4 TMA 16.06

ORBIT DETERMINATION ACCURACY

ST 1724.9 SR 472.8 SS 1921.4
 CRT .9997 CRS .9920 CST .9916
 LSA 2619.5 MSA 169.0 SSA 10.3
 EL1 1788.5 EL2 10.5 ALF 15.32

LAUNCH DATE APR 27 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 363.633

RL 150.56 LAL .00 LOL 216.06 VL 26.862 GAL 6.46 AZL 96.39 MCA 149.97 SMA 127.44 ECC .21253 INC 6.3927 V1 29.593
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.445 GAP -8.89 AZP 84.46 TAL 154.47 TAP 304.45 RCA 100.36 APO 154.53 V2 34.886
 RC 49.776 GL -36.62 GP 25.50 ZAL 58.97 ZAP 31.80 ETS 309.73 ZAE 139.85 ETE 60.39 ZAC 91.72 ETC 16.65 CLP -19.68

PLANETOCENTRIC CONIC

C3 24.823 VHL 4.982 DLA -28.04 RAL 151.94 RAD 6568.0 VEL 12.091 PTH 2.16 VHP 6.581 DPA 31.65 RAP 180.29 ECC 1.4085
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 35 53 1057.36 15.33 334.47 22.67 114.10 12 53 30 457.4 18.46 327.19
 90.00 13 45 16 832.08 21.04 320.42 25.07 109.40 13 59 8 232.1 23.50 312.60
 100.00 13 3 47 967.15 10.83 325.59 20.41 118.03 13 19 54 367.1 14.49 318.72
 100.00 16 0 3 5685.56 25.82 267.99 26.71 105.61 17 34 49 5085.6 27.71 259.70
 110.00 13 7 11 956.45 4.67 321.06 16.68 123.90 13 23 7 356.4 9.09 314.76
 110.00 18 13 8 5269.03 32.82 238.20 28.54 100.14 19 40 57 4669.0 33.87 229.12

DIFFERENTIAL CORRECTIONS

TDE 1.3891 TRA-1.8230 TC3 .1696 BAU .1591
 RDE .5083 RRA -.5566 RC3 .4485 FAU .03538
 FDE-2.9537 FRA 2.4979 FC3-1.2340 BSP 9078
 BDE 1.4792 BRA 1.9060 BC3 .4795 FSP -1201

MID-COURSE EXECUTION ACCURACY

SGT 2867.5 SGR 1033.1 SG3 420.1
 RRT .9222 RRF -.9745 RTF -.9585
 SGB 3047.9 R23 -.1934 R13 -.9676
 SG1 3024.2 SG2 378.9 TMA 18.68

ORBIT DETERMINATION ACCURACY

ST 1749.2 SR 623.8 SS 2009.8
 CRT .9978 CRS .9970 CST .9902
 LSA 2730.2 MSA 184.6 SSA 9.2
 EL1 1856.7 EL2 38.7 ALF 19.60

LAUNCH DATE APR 27 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 370.282

RL 150.56 LAL .00 LOL 216.06 VL 26.926 GAL 6.27 AZL 96.93 MCA 153.15 SMA 127.87 ECC .20750 INC 6.9315 V1 29.593
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.501 GAP -8.29 AZP 83.81 TAL 154.52 TAP 307.66 RCA 101.33 APO 154.40 V2 34.897
 RC 51.201 GL -39.55 GP 29.31 ZAL 60.68 ZAP 35.92 ETS 309.12 ZAE 136.31 ETE 60.57 ZAC 89.70 ETC 16.11 CLP -21.76

PLANETOCENTRIC CONIC

C3 25.728 VHL 5.072 DLA -30.49 RAL 150.02 RAD 6568.0 VEL 12.129 PTH 2.17 VHP 6.430 DPA 34.57 RAP 183.44 ECC 1.4234
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.20 11 28 1 1259.08 19.41 351.21 23.25 113.99 11 49 0 659.1 22.48 343.72
 101.80 14 37 49 648.03 19.42 306.19 23.25 113.97 14 48 37 48.0 22.50 298.70
 78.20 11 28 1 1259.08 19.41 351.21 23.25 113.99 11 49 0 659.1 22.48 343.72
 101.80 14 37 49 648.03 19.42 306.19 23.25 113.97 14 48 37 48.0 22.50 298.70
 110.00 13 33 14 851.24 8.63 315.49 17.21 123.20 13 47 25 251.2 12.94 309.04
 110.00 17 31 47 5391.91 30.98 247.30 27.79 105.23 19 1 38 4791.9 32.76 238.53

DIFFERENTIAL CORRECTIONS

TDE 1.5202 TRA-1.7591 TC3 .2095 BAU .1797
 RDE .6965 RRA -.6216 RC3 .4785 FAU .03623
 FDE-3.2914 FRA 2.4823 FC3-1.2193 BSP 9905
 BDE 1.6721 BRA 1.8657 BC3 .5224 FSP -1310

MID-COURSE EXECUTION ACCURACY

SGT 2882.9 SGR 1232.3 SG3 440.1
 RRT .9382 RRF -.9841 RTF -.9637
 SGB 3135.2 R23 -.1808 R13 -.9744
 SG1 3110.2 SG2 395.3 TMA 22.23

ORBIT DETERMINATION ACCURACY

ST 1851.3 SR 824.0 SS 2135.7
 CRT .9966 CRS .9990 CST .9921
 LSA 2938.7 MSA 176.8 SSA 8.1
 EL1 2025.4 EL2 62.4 ALF 23.94

LAUNCH DATE APR 27 1967

FLIGHT TIME 148.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 376.914

RL 150.56 LAL .00 LOL 216.06 VL 26.984 GAL 6.09 AZL 97.60 MCA 156.31 SMA 128.25 ECC .20290 INC 7.6031 V1 29.593
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.554 GAP -7.71 AZP 83.03 TAL 154.57 TAP 310.88 RCA 102.23 APO 154.28 V2 34.908
 RC 52.722 GL -42.75 GP 33.90 ZAL 62.61 ZAP 40.62 ETS 308.25 ZAE 132.19 ETE 61.16 ZAC 87.55 ETC 15.35 CLP -23.86

PLANETOCENTRIC CONIC

C3 27.357 VHL 5.230 DLA -33.12 RAL 147.81 RAD 6568.1 VEL 12.196 PTH 2.19 VHP 6.364 DPA 38.14 RAP 187.21 ECC 1.4502
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.07 10 37 13 1405.88 20.51 2.90 22.81 116.59 11 0 39 805.9 23.91 355.49
 107.93 15 11 0 5819.72 20.52 275.83 22.82 116.58 16 48 0 5219.7 23.92 268.42
 72.07 10 37 13 1405.88 20.51 2.90 22.81 116.59 11 0 39 805.9 23.91 355.49
 107.93 15 11 0 5819.72 20.52 275.83 22.82 116.58 16 48 0 5219.7 23.92 268.42
 110.00 14 19 10 691.01 14.47 306.75 19.31 121.31 14 30 41 91.0 18.51 299.96
 110.00 16 28 14 5582.59 26.81 260.56 25.92 112.05 18 1 16 4982.6 29.55 252.45

DIFFERENTIAL CORRECTIONS

TDE 1.6656 TRA-1.7148 TC3 .2063 BAU .1955
 RDE .9434 RRA -.7009 RC3 .4931 FAU .03508
 FDE-3.6197 FRA 2.4264 FC3-1.1101 BSP 10356
 BDE 1.9142 BRA 1.8525 BC3 .5345 FSP -1357

MID-COURSE EXECUTION ACCURACY

SGT 2899.2 SGR 1474.5 SG3 450.1
 RRT .9480 RRF -.9901 RTF -.9668
 SGB 3252.6 R23 -.1685 R13 -.9796
 SG1 3225.1 SG2 421.9 TMA 26.22

ORBIT DETERMINATION ACCURACY

ST 1944.7 SR 1069.5 SS 2242.2
 CRT .9956 CRS .9997 CST .9931
 LSA 3150.0 MSA 174.9 SSA 7.0
 EL1 2217.6 EL2 87.9 ALF 28.75

LAUNCH DATE APR 27 1967

FLIGHT TIME 150.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 383.528

RL 150.56 LAL .00 LOL 216.06 VL 27.037 GAL 5.93 AZL 98.47 MCA 159.48 SMA 128.61 ECC .19872 INC 8.4692 V1 29.593
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.603 GAP -7.14 AZP 82.06 TAL 154.62 TAP 314.11 RCA 103.05 APO 154.17 V2 34.920
 RC 54.330 GL -46.23 GP 39.43 ZAL 64.80 ZAP 45.99 ETS 307.14 ZAE 127.30 ETE 61.95 ZAC 85.24 ETC 14.25 CLP -25.91

PLANETOCENTRIC CONIC

C3 30.086 VML 5.485 DLA -35.93 RAL 145.23 RAD 6568.2 VEL 12.307 PTH 2.22 VMP 6.422 DPA 42.40 RAP 191.98 ECC 1.4951
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.90 9 56 19 1522.49 21.31 12.50 22.65 119.64 10 21 42 922.5 25.09 5.24
 113.10 15 31 17 5750.61 21.32 270.87 22.66 119.63 17 7 8 5150.6 25.10 263.61
 66.90 9 56 19 1522.49 21.31 12.50 22.65 119.64 10 21 42 922.5 25.09 5.24
 113.10 15 31 17 5750.61 21.32 270.87 22.66 119.63 17 7 8 5150.6 25.10 263.61
 66.90 9 56 19 1522.49 21.31 12.50 22.65 119.64 10 21 42 922.5 25.09 5.24
 113.10 15 31 17 5750.61 21.32 270.87 22.66 119.63 17 7 8 5150.6 25.10 263.61

DIFFERENTIAL CORRECTIONS

TOE 1.8583 TRA-1.6799 TC3 .1807 BAU .2083
 RDE 1.2767 RRA -.7894 RC3 .4854 FAU .03189
 FDE-3.9181 FRA 2.2938 FC3 -.9176 BSP 10784
 BDE 2.2546 BRA 1.8561 BC3 .5179 FSP -1348

MID-COURSE EXECUTION ACCURACY

SGT 2916.1 SGR 1760.4 SG3 444.9
 RRT .9547 RRF -.9936 RTF -.9693
 SGB 3406.3 R23 -.1518 R13 -.9844
 SG1 3376.1 SG2 452.3 TMA 30.56

ORBIT DETERMINATION ACCURACY

ST 2047.2 SR 1368.3 SS 2323.9
 CRT .9952 CRS .9999 CST .9940
 LSA 3381.3 MSA 174.4 SSA 5.9
 EL1 2459.8 EL2 111.8 ALF 33.71

LAUNCH DATE APR 27 1967

FLIGHT TIME 152.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 390.118

RL 150.56 LAL .00 LOL 216.06 VL 27.085 GAL 5.78 AZL 99.64 MCA 162.65 SMA 128.93 ECC .19494 INC 9.6368 V1 29.593
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.648 GAP -6.59 AZP 80.79 TAL 154.68 TAP 317.33 RCA 103.80 APO 154.07 V2 34.932
 RC 56.016 GL -50.03 GP 46.03 ZAL 67.30 ZAP 52.08 ETS 305.73 ZAE 121.45 ETE 62.60 ZAC 82.70 ETC 12.52 CLP -27.74

PLANETOCENTRIC CONIC

C3 34.648 VML 5.886 DLA -38.92 RAL 142.14 RAD 6568.4 VEL 12.491 PTH 2.26 VMP 6.676 DPA 47.31 RAP 198.36 ECC 1.5702
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.10 9 19 23 1630.09 21.59 21.45 22.79 123.21 9 46 33 1030.1 25.80 14.44
 117.90 15 43 36 5714.10 21.60 268.08 22.80 123.20 17 18 50 5114.1 25.81 261.06
 62.10 9 19 23 1630.09 21.59 21.45 22.79 123.21 9 46 33 1030.1 25.80 14.44
 117.90 15 43 36 5714.10 21.60 268.08 22.80 123.20 17 18 50 5114.1 25.81 261.06
 62.10 9 19 23 1630.09 21.59 21.45 22.79 123.21 9 46 33 1030.1 25.80 14.44
 117.90 15 43 36 5714.10 21.60 268.08 22.80 123.20 17 18 50 5114.1 25.81 261.06

DIFFERENTIAL CORRECTIONS

TOE 2.1473 TRA-1.6502 TC3 .1467 BAU .2181
 RDE 1.7368 RRA -.8736 RC3 .4474 FAU .02666
 FDE-4.1448 FRA 2.0505 FC3 -.6661 BSP 11474
 BDE 2.7618 BRA 1.8671 BC3 .4708 FSP -1283

MID-COURSE EXECUTION ACCURACY

SGT 2943.0 SGR 2080.9 SG3 418.6
 RRT .9603 RRF -.9956 RTF -.9724
 SGB 3604.3 R23 -.1304 R13 -.9888
 SG1 3572.5 SG2 478.0 TMA 34.89

ORBIT DETERMINATION ACCURACY

ST 2180.0 SR 1722.2 SS 2369.1
 CRT .9953 CRS 1.0000 CST .9950
 LSA 3647.1 MSA 172.4 SSA 5.0
 EL1 2775.1 EL2 130.7 ALF 38.28

LAUNCH DATE APR 27 1967

FLIGHT TIME 154.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 396.680

RL 150.56 LAL .00 LOL 216.06 VL 27.127 GAL 5.65 AZL 101.31 MCA 165.80 SMA 129.22 ECC .19157 INC11.3067 V1 29.593
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.691 GAP -6.06 AZP 79.03 TAL 154.72 TAP 320.53 RCA 104.47 APO 153.98 V2 34.945
 RC 57.772 GL -54.15 GP 53.79 ZAL 70.17 ZAP 58.87 ETS 303.71 ZAE 114.44 ETE 62.46 ZAC 79.89 ETC 9.58 CLP -28.96

PLANETOCENTRIC CONIC

C3 42.642 VML 6.530 DLA -42.03 RAL 138.37 RAD 6568.6 VEL 12.807 PTH 2.33 VMP 7.258 DPA 52.60 RAP 207.43 ECC 1.7018
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.55 8 43 51 1739.97 20.95 30.33 23.22 127.31 9 12 51 1140.0 25.64 23.70
 122.45 15 49 4 5709.07 20.96 267.17 23.23 127.30 17 24 13 5109.1 25.66 260.53
 57.55 8 43 51 1739.97 20.95 30.33 23.22 127.31 9 12 51 1140.0 25.64 23.70
 122.45 15 49 4 5709.07 20.96 267.17 23.23 127.30 17 24 13 5109.1 25.66 260.53
 57.55 8 43 51 1739.97 20.95 30.33 23.22 127.31 9 12 51 1140.0 25.64 23.70
 122.45 15 49 4 5709.07 20.96 267.17 23.23 127.30 17 24 13 5109.1 25.66 260.53

DIFFERENTIAL CORRECTIONS

TOE 2.6117 TRA-1.6486 TC3 .0944 BAU .2131
 RDE 2.3689 RRA -.9314 RC3 .3617 FAU .01869
 FDE-4.2199 FRA 1.7010 FC3 -.3795 BSP 12254
 BDE 3.5260 BRA 1.8935 BC3 .3738 FSP -1129

MID-COURSE EXECUTION ACCURACY

SGT 3009.6 SGR 2398.7 SG3 366.5
 RRT .9646 RRF -.9967 RTF -.9759
 SGB 3848.6 R23 -.1084 R13 -.9923
 SG1 3816.1 SG2 499.1 TMA 38.33

ORBIT DETERMINATION ACCURACY

ST 2364.8 SR 2104.6 SS 2352.4
 CRT .9957 CRS 1.0000 CST .9961
 LSA 3940.3 MSA 170.5 SSA 4.1
 EL1 3162.4 EL2 145.0 ALF 41.65

LAUNCH DATE APR 27 1967

FLIGHT TIME 156.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 403.204

RL 150.56 LAL .00 LOL 216.06 VL 27.166 GAL 5.54 AZL 103.91 MCA 168.95 SMA 129.49 ECC .18859 INC13.9065 V1 29.593
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.730 GAP -5.54 AZP 76.34 TAL 154.75 TAP 323.69 RCA 105.07 APO 153.91 V2 34.957
 RC 59.590 GL -58.49 GP 62.68 ZAL 73.49 ZAP 66.18 ETS 299.73 ZAE 106.13 ETE 59.85 ZAC 76.69 ETC 3.76 CLP -28.34

PLANETOCENTRIC CONIC

C3 58.103 VML 7.623 DLA -45.04 RAL 133.68 RAD 6569.1 VEL 13.396 PTH 2.45 VMP 8.446 DPA 57.46 RAP 220.94 ECC 1.9562
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 53.38 8 8 29 1861.44 18.76 39.31 23.84 131.74 8 39 30 1261.4 23.97 33.20
 126.62 15 46 58 5741.70 18.78 268.17 23.85 131.73 17 22 40 5141.7 23.98 262.06
 53.38 8 8 29 1861.44 18.76 39.31 23.84 131.74 8 39 30 1261.4 23.97 33.20
 126.62 15 46 58 5741.70 18.78 268.17 23.85 131.73 17 22 40 5141.7 23.98 262.06
 53.38 8 8 29 1861.44 18.76 39.31 23.84 131.74 8 39 30 1261.4 23.97 33.20
 126.62 15 46 58 5741.70 18.78 268.17 23.85 131.73 17 22 40 5141.7 23.98 262.06

DIFFERENTIAL CORRECTIONS

TOE 3.4984 TRA-1.7128 TC3 .0285 BAU .1739
 RDE 3.1926 RRA -.8971 RC3 .2221 FAU .00843
 FDE-4.0821 FRA 1.2773 FC3 -.1256 BSP 13085
 BDE 4.7362 BRA 1.9335 BC3 .2239 FSP -892

MID-COURSE EXECUTION ACCURACY

SGT 3199.5 SGR 2604.7 SG3 290.4
 RRT .9677 RRF -.9966 RTF -.9813
 SGB 4125.7 R23 -.0865 R13 -.9951
 SG1 4093.6 SG2 515.5 TMA 38.96

ORBIT DETERMINATION ACCURACY

ST 2685.9 SR 2416.8 SS 2258.7
 CRT .9963 CRS .9999 CST .9973
 LSA 4257.7 MSA 168.3 SSA 3.2
 EL1 3609.8 EL2 135.0 ALF 41.97

LAUNCH DATE APR 27 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 27.200 GAL 5.45 AZL 108.52 MCA 172.05 SMA 129.72 ECC .18603 INC18.5227 V1 29.593
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.766 GAP -5.04 AZP 71.64 TAL 154.74 TAP 326.79 RCA 105.59 APO 153.85 V2 34.970
 RC 61.464 GL -62.61 GP 72.41 ZAL 77.31 ZAP 73.61 ETS 286.94 ZAE 96.30 ETE 47.67 ZAC 72.79 ETC 347.86 CLP -20.91

PLANETOCENTRIC CONIC
 C3 93.854 VHL 9.688 DLA -47.40 RAL 127.87 RAD 6569.8 VEL 14.670 PTH 2.66 VMP 10.932 DPA 60.14 RAP 240.63 ECC 2.5446
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 50.26 7 33 58 2002.01 14.17 47.96 24.42 135.72 8 7 20 1402.0 19.82 42.45
 129.74 15 35 8 5824.47 14.19 271.38 24.44 135.72 17 12 13 5224.5 19.84 265.87
 50.26 7 33 58 2002.01 14.17 47.96 24.42 135.72 8 7 20 1402.0 19.82 42.45
 129.74 15 35 8 5824.47 14.19 271.38 24.44 135.72 17 12 13 5224.5 19.84 265.87
 50.26 7 33 58 2002.01 14.17 47.96 24.42 135.72 8 7 20 1402.0 19.82 42.45
 129.74 15 35 8 5824.47 14.19 271.38 24.44 135.72 17 12 13 5224.5 19.84 265.87

DIFFERENTIAL CORRECTIONS
 TOE 5.7048 TRA-1.9434 TC3 -.0603 BAU .1045
 RDE 3.7361 RRA -.4838 RC3 .0574 FAU-.00318
 FDE-3.7492 FRA .8602 FC3 .0294 BSP 13902
 BOE 6.8193 BRA 2.0027 BC3 .0833 FSP -617

MID-COURSE EXECUTION ACCURACY
 SGT 3778.9 SGR 2252.4 SG3 202.3
 RRT .9586 RRF -.9878 RTF -.9903
 SGB 4399.3 R23 -.0615 R13 -.9976
 SG1 4364.1 SG2 555.1 THA 30.28

ORBIT DETERMINATION ACCURACY
 ST 3412.2 SR .2213.2 SS 2105.1
 CRT .9957 CRS .9990 CST .9988
 LSA 4576.2 MSA 176.3 SSA 2.1
 EL1 4063.5 EL2 171.8 ALF 32.92

LAUNCH DATE APR 27 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 27.230 GAL 5.40 AZL 118.81 MCA 175.04 SMA 129.93 ECC .18402 INC28.8152 V1 29.593
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.800 GAP -4.59 AZP 61.28 TAL 154.62 TAP 329.66 RCA 106.02 APO 153.84 V2 34.983
 RC 63.388 GL -64.59 GP 79.69 ZAL 81.62 ZAP 80.55 ETS 226.95 ZAE 83.80 ETE 347.71 ZAC 66.95 ETC 282.83 CLP 23.41

PLANETOCENTRIC CONIC
 C3 209.245 VHL 14.465 DLA -47.14 RAL 121.50 RAD 6571.2 VEL 18.181 PTH 3.02 VMP 16.975 DPA 57.22 RAP 265.15 ECC 4.4436
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 50.59 7 9 44 2147.95 6.80 54.13 25.13 136.77 7 45 32 1548.0 12.59 48.95
 129.41 15 8 33 688.25 6.81 300.21 25.15 136.76 15 20 1 88.2 12.60 295.02
 50.59 7 9 44 2147.95 6.80 54.13 25.13 136.77 7 45 32 1548.0 12.59 48.95
 129.41 15 8 33 688.25 6.81 300.21 25.15 136.76 15 20 1 88.2 12.60 295.02
 50.59 7 9 44 2147.95 6.80 54.13 25.13 136.77 7 45 32 1548.0 12.59 48.95
 129.41 15 8 33 688.25 6.81 300.21 25.15 136.76 15 20 1 88.2 12.60 295.02

DIFFERENTIAL CORRECTIONS
 TOE10.6104 TRA-1.3343 TC3 -.1804 BAU .6044
 RDE-2.8727 RRA 1.8363 RC3 .1189 FAU-.01762
 FDE-3.4761 FRA .5848 FC3 .0729 BSP 14794
 BOE10.9924 BRA 2.2699 BC3 .2160 FSP -386

MID-COURSE EXECUTION ACCURACY
 SGT 4305.6 SGR 1598.9 SG3 123.9
 RRT -.8414 RRF .8738 RTF -.9979
 SGB 4592.9 R23 -.0042 R13 .9999
 SG1 4518.5 SG2 823.4 THA 162.03

ORBIT DETERMINATION ACCURACY
 ST 4209.2 SR 1182.3 SS 2024.9
 CRT -.9760 CRS -.9799 CST .9998
 LSA 4811.8 MSA 248.2 SSA 1.0
 EL1 4365.0 EL2 248.2 ALF 164.62

LAUNCH DATE APR 27 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 27.257 GAL 5.49 AZL 152.96 MCA 177.47 SMA 130.11 ECC .18336 INC62.9561 V1 29.593
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.831 GAP -4.30 AZP 27.07 TAL 154.05 TAP 331.53 RCA 106.26 APO 153.97 V2 34.996
 RC 65.357 GL -54.26 GP 63.21 ZAL 85.86 ZAP 85.94 ETS 182.68 ZAE 61.91 ETE 306.03 ZAC 53.41 ETC 226.91 CLP 80.95

PLANETOCENTRIC CONIC
 C3 886.272 VHL 29.770 DLA -35.12 RAL 119.24 RAD 6572.9 VEL 31.742 PTH 3.48 VMP 36.743 DPA 39.47 RAP 288.67 ECC15.5858
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 68.31 8 20 33 2061.37 -.02 40.86 29.25 125.12 8 54 54 1461.4 4.57 34.72
 111.69 13 39 42 1048.83 -.00 325.10 29.26 125.12 13 57 11 448.8 4.59 318.96
 68.31 8 20 33 2061.37 -.02 40.86 29.25 125.12 8 54 54 1461.4 4.57 34.72
 111.69 13 39 42 1048.83 -.00 325.10 29.26 125.12 13 57 11 448.8 4.59 318.96
 68.31 8 20 33 2061.37 -.02 40.86 29.25 125.12 8 54 54 1461.4 4.57 34.72
 111.69 13 39 42 1048.83 -.00 325.10 29.26 125.12 13 57 11 448.8 4.59 318.96

DIFFERENTIAL CORRECTIONS
 TOE 8.8919 TRA 1.0076 TC3 -.1265 BAU 3.7980
 RD-17.1984 RRA 4.3430 RC3 .2945 FAU-.06758
 FDE-4.0728 FRA .8925 FC3 .0660 BSP 13513
 BOE19.2701 BRA 4.4583 BC3 .3205 FSP -249

MID-COURSE EXECUTION ACCURACY
 SGT 1849.8 SGR 3882.7 SG3 77.9
 RRT -.9211 RRF .9993 RTF -.9338
 SGB 4300.8 R23 -.0355 R13 .9992
 SG1 4250.2 SG2 657.9 THA 114.31

ORBIT DETERMINATION ACCURACY
 ST 1674.5 SR 3324.6 SS 2496.7
 CRT -.9909 CRS -.9999 CST .9925
 LSA 4477.6 MSA 203.7 SSA 1.5
 EL1 3717.0 EL2 201.3 ALF 116.61

LAUNCH DATE APR 27 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 27.279 GAL 4.95 AZL 44.25 MCA 182.94 SMA 130.27 ECC .17756 INC45.7481 V1 29.593
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.860 GAP -3.15 AZP 135.71 TAL 155.87 TAP 338.81 RCA 107.14 APO 153.40 V2 35.009
 RC 67.365 GL 60.99 GP -70.39 ZAL 85.11 ZAP 86.47 ETS 161.54 ZAE 80.68 ETE 45.81 ZAC 87.47 ETC 112.54 CLP 79.44

PLANETOCENTRIC CONIC
 C3 495.453 VHL 22.259 DLA 69.38 RAL 186.52 RAD 6572.3 VEL 24.834 PTH 3.34 VMP 29.998 DPA -81.07 RAP 49.68 ECC 9.1539
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 23.58 22 14 14 5035.67 -2.41 245.81 95.62 20.64 23 38 9 4435.7 -9.89 243.37
 156.42 8 42 47 3286.39 -2.40 96.52 95.60 20.64 9 37 33 2686.4 -9.88 94.08
 23.58 22 14 14 5035.67 -2.41 245.81 95.62 20.64 23 38 9 4435.7 -9.89 243.37
 156.42 8 42 47 3286.39 -2.40 96.52 95.60 20.64 9 37 33 2686.4 -9.88 94.08
 23.58 22 14 14 5035.67 -2.41 245.81 95.62 20.64 23 38 9 4435.7 -9.89 243.37
 156.42 8 42 47 3286.39 -2.40 96.52 95.60 20.64 9 37 33 2686.4 -9.88 94.08

DIFFERENTIAL CORRECTIONS
 TOE-2.3018 TRA-3.2861 TC3 -.1826 BAU 2.1007
 RDE .8144 RRA-5.0509 RC3 -.2593 FAU-.03698
 FDE .0443 FRA 1.2709 FC3 .0646 BSP 14307
 BOE 2.4417 BRA 6.0258 BC3 .3171 FSP -265

MID-COURSE EXECUTION ACCURACY
 SGT 2604.0 SGR 3873.4 SG3 84.0
 RRT .9598 RRF -.9978 RTF -.9760
 SGB 4667.4 R23 -.0219 R13 -.9997
 SG1 4627.0 SG2 612.1 THA 56.51

ORBIT DETERMINATION ACCURACY
 ST 933.2 SR 1127.7 SS 723.2
 CRT .6411 CRS .9742 CST .7978
 LSA 1514.6 MSA 609.3 SSA .6
 EL1 1332.3 EL2 606.2 ALF 53.27

LAUNCH DATE APR 27 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 436.647

RL 150.56 LAL .00 LOL 216.06 VL 27.299 GAL 5.02 AZL 69.58 HCA 185.60 SMA 130.41 ECC .17705 INC20.4171 V1 29.593
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.886 GAP -2.82 AZP 110.33 TAL 155.42 TAP 341.03 RCA 107.32 APO 153.50 V2 35.023
 RC 69.409 GL 64.45 GP -83.69 ZAL 79.42 ZAP 83.74 ETS 76.66 ZAE 97.98 ETE 324.54 ZAC 99.13 ETC 33.25 CLP 7.59

PLANETOCENTRIC CONIC

C3 110.572 VML 10.515 DLA 65.54 RAL 204.03 RAD 6570.1 VEL 15.229 PTH 2.73 VHP 14.940 DPA -69.22 RAP 111.40 ECC 2.8197
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 28.06 23 34 2 4808.64 -15.50 237.93 106.79 25.45 24 54 11 4208.6 -22.69 234.63
 151.94 9 42 43 3087.44 -15.49 93.50 106.78 25.45 10 34 11 2487.4 -22.68 90.20
 28.06 23 34 2 4808.64 -15.50 237.93 106.79 25.45 24 54 11 4208.6 -22.69 234.63
 151.94 9 42 43 3087.44 -15.49 93.50 106.78 25.45 10 34 11 2487.4 -22.68 90.20
 28.06 23 34 2 4808.64 -15.50 237.93 106.79 25.45 24 54 11 4208.6 -22.69 234.63
 151.94 9 42 43 3087.44 -15.49 93.50 106.78 25.45 10 34 11 2487.4 -22.68 90.20

DIFFERENTIAL CORRECTIONS

TDE 2.5621 TRA -3.1483 TC3 -.1006 BAU .1493
 RDE -.1071 RRA 1.8382 RC3 -.0088 FAU -.00162
 FDE -.7758 FRA 1.1023 FC3 .0127 BSP 15487
 BDE 2.5644 BRA 3.6457 BC3 .1010 FSP -443

MID-COURSE EXECUTION ACCURACY

SGT 4377.2 SGR 2419.8 SG3 139.3
 RRT -.9536 RRF .9708 RTF -.9977
 SGB 5001.5 R23 .0053 R13 .9998
 SG1 4960.0 SG2 643.2 THA 151.68

ORBIT DETERMINATION ACCURACY

ST 1869.2 SR 728.1 SS 812.8
 CRT -.7227 CRS -.7927 CST .9942
 LSA 2109.7 MSA 483.7 SSA 1.2
 EL1 1947.0 EL2 483.1 ALF 163.21

LAUNCH DATE APR 27 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 442.927

RL 150.56 LAL .00 LOL 216.06 VL 27.315 GAL 5.02 AZL 77.98 HCA 188.64 SMA 130.52 ECC .17618 INC12.0204 V1 29.593
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.910 GAP -2.39 AZP 101.89 TAL 155.26 TAP 343.90 RCA 107.53 APO 153.52 V2 35.036
 RC 71.485 GL 57.95 GP -77.83 ZAL 73.20 ZAP 82.17 ETS 37.75 ZAE 107.51 ETE 288.36 ZAC 104.05 ETC .54 CLP -49.78

PLANETOCENTRIC CONIC

C3 44.704 VML 6.686 DLA 58.55 RAL 198.22 RAD 6568.7 VEL 12.887 PTH 2.35 VHP 9.878 DPA -60.55 RAP 122.73 ECC 1.7357
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 36.35 23 31 2 4562.07 -26.46 223.43 90.51 35.65 24 47 4 3962.1 -32.85 218.31
 143.65 8 59 21 2910.76 -26.45 88.83 90.49 35.65 9 47 52 2310.8 -32.84 83.70
 36.35 23 31 2 4562.07 -26.46 223.43 90.51 35.65 24 47 4 3962.1 -32.85 218.31
 143.65 8 59 21 2910.76 -26.45 88.83 90.49 35.65 9 47 52 2310.8 -32.84 83.70
 36.35 23 31 2 4562.07 -26.46 223.43 90.51 35.65 24 47 4 3962.1 -32.85 218.31
 143.65 8 59 21 2910.76 -26.45 88.83 90.49 35.65 9 47 52 2310.8 -32.84 83.70

DIFFERENTIAL CORRECTIONS

TDE 1.0991 TRA -1.0382 TC3 .0202 BAU .2645
 RDE -.7754 RRA 2.7633 RC3 -.4420 FAU .01478
 FDE -.6516 FRA 1.5957 FC3 -.2862 BSP 15742
 BDE 1.3451 BRA 2.9519 BC3 .4425 FSP -752

MID-COURSE EXECUTION ACCURACY

SGT 1948.1 SGR 4624.6 SG3 233.9
 RRT -.9301 RRF .9979 RTF -.9491
 SGB 5018.2 R23 .0037 R13 .9995
 SG1 4973.9 SG2 665.1 THA 111.81

ORBIT DETERMINATION ACCURACY

ST 1071.8 SR 1515.1 SS 823.1
 CRT -.8143 CRS -.9867 CST .8979
 LSA 1959.7 MSA 530.5 SSA 2.1
 EL1 1778.6 EL2 530.0 ALF 123.28

LAUNCH DATE APR 27 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 449.293

RL 150.56 LAL .00 LOL 216.06 VL 27.329 GAL 5.01 AZL 81.99 HCA 191.77 SMA 130.62 ECC .17543 INC 8.0107 V1 29.593
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.932 GAP -1.94 AZP 97.84 TAL 155.14 TAP 346.91 RCA 107.70 APO 153.53 V2 35.049
 RC 73.590 GL 49.29 GP -71.17 ZAL 67.30 ZAP 81.97 ETS 24.91 ZAE 114.43 ETE 277.71 ZAC 107.34 ETC 353.70 CLP -64.36

PLANETOCENTRIC CONIC

C3 25.051 VML 5.005 DLA 50.73 RAL 190.93 RAD 6568.0 VEL 12.101 PTH 2.17 VHP 7.520 DPA -53.83 RAP 127.96 ECC 1.4123
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 45.97 23 29 29 4357.81 -30.79 205.96 71.80 47.46 24 42 7 3757.8 -35.99 199.09
 134.03 8 2 46 2824.17 -30.77 84.66 71.78 47.45 8 49 51 2224.2 -35.98 77.80
 45.97 23 29 29 4357.81 -30.79 205.96 71.80 47.46 24 42 7 3757.8 -35.99 199.09
 134.03 8 2 46 2824.17 -30.77 84.66 71.78 47.45 8 49 51 2224.2 -35.98 77.80
 45.97 23 29 29 4357.81 -30.79 205.96 71.80 47.46 24 42 7 3757.8 -35.99 199.09
 134.03 8 2 46 2824.17 -30.77 84.66 71.78 47.45 8 49 51 2224.2 -35.98 77.80

DIFFERENTIAL CORRECTIONS

TDE .5822 TRA -.4415 TC3 -.0611 BAU .3672
 RDE -.4851 RRA 2.5947 RC3 -1.0949 FAU .02975
 FDE -.5557 FRA 2.1818 FC3 -1.0281 BSP 15524
 BDE .7578 BRA 2.6320 BC3 1.0966 FSP -1142

MID-COURSE EXECUTION ACCURACY

SGT 1041.8 SGR 4850.8 SG3 356.6
 RRT -.8014 RRF .9989 RTF -.8167
 SGB 4961.5 R23 .0053 R13 .9992
 SG1 4923.3 SG2 614.0 THA 99.92

ORBIT DETERMINATION ACCURACY

ST 708.2 SR 1513.7 SS 873.4
 CRT -.6597 CRS -.9931 CST .7431
 LSA 1816.6 MSA 505.8 SSA 3.1
 EL1 1592.8 EL2 505.8 ALF 109.16

LAUNCH DATE APR 27 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 455.678

RL 150.56 LAL .00 LOL 216.06 VL 27.339 GAL 5.02 AZL 84.33 HCA 194.94 SMA 130.69 ECC .17489 INC 5.6729 V1 29.593
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.952 GAP -1.49 AZP 95.48 TAL 155.02 TAP 349.96 RCA 107.84 APO 153.55 V2 35.062
 RC 75.721 GL 40.50 GP -65.50 ZAL 62.18 ZAP 83.02 ETS 16.65 ZAE 119.94 ETE 270.85 ZAC 110.14 ETC 351.08 CLP -72.96

PLANETOCENTRIC CONIC

C3 17.184 VML 4.145 DLA 42.82 RAL 185.09 RAD 6567.7 VEL 11.771 PTH 2.08 VHP 6.196 DPA -48.09 RAP 130.74 ECC 1.2828
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 56.43 23 43 45 4172.47 -30.09 187.76 56.40 57.97 24 53 18 3572.5 -34.08 179.98
 123.57 7 1 53 2829.13 -30.08 84.51 56.39 57.96 7 49 2 2229.1 -34.07 76.74
 56.43 23 43 45 4172.47 -30.09 187.76 56.40 57.97 24 53 18 3572.5 -34.08 179.98
 123.57 7 1 53 2829.13 -30.08 84.51 56.39 57.96 7 49 2 2229.1 -34.07 76.74
 56.43 23 43 45 4172.47 -30.09 187.76 56.40 57.97 24 53 18 3572.5 -34.08 179.98
 123.57 7 1 53 2829.13 -30.08 84.51 56.39 57.96 7 49 2 2229.1 -34.07 76.74

DIFFERENTIAL CORRECTIONS

TDE .3696 TRA -.1040 TC3 -.2923 BAU .4078
 RDE -.3748 RRA 2.4263 RC3 -1.7509 FAU .04484
 FDE -.5950 FRA 2.8367 FC3 -2.2591 BSP 15274
 BDE .5264 BRA 2.4285 BC3 1.7752 FSP -1591

MID-COURSE EXECUTION ACCURACY

SGT 598.5 SGR 4824.6 SG3 494.5
 RRT -.2801 RRF .9989 RTF -.2960
 SGB 4861.6 R23 .0126 R13 .9990
 SG1 4827.5 SG2 574.2 THA 92.02

ORBIT DETERMINATION ACCURACY

ST 514.3 SR 1466.8 SS 965.2
 CRT -.4573 CRS -.9937 CST .5543
 LSA 1772.6 MSA 453.5 SSA 4.2
 EL1 1487.5 EL2 451.0 ALF 100.04

LAUNCH DATE APR 27 1967 FLIGHT TIME 174.00 ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 27.347 GAL 5.03 AZL 85.86 MCA 198.12 SMA 130.75 ECC .17459 INC 4.1383 V1 29.593
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.970 GAP -1.04 AZP 93.93 TAL 154.88 TAP 353.00 RCA 107.92 APO 153.58 V2 35.075
 RC 77.874 GL 32.36 GP -60.55 ZAL 58.08 ZAP 85.12 ETS 10.04 ZAE 124.44 ETE 264.65 ZAC 112.79 ETC 349.69 CLP -80.03

DISTANCE 462.063

PLANETOCENTRIC CONIC
 C3 13.488 VHL 3.673 DLA 35.39 RAL 180.70 RAD 6567.5 VEL 11.614 PTH 2.03 VHP 5.370 OPA -42.93 RAP 132.16 ECC 1.2220
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 67.83 0 25 9 3960.43 -26.84 168.14 45.29 66.02 1 31 9 3360.4 -29.84 160.13
 112.17 5 49 26 2932.46 -26.83 91.14 45.28 66.01 6 38 18 2332.5 -29.83 83.13
 67.83 0 25 9 3960.43 -26.84 168.14 45.29 66.02 1 31 9 3360.4 -29.84 160.13
 112.17 5 49 26 2932.46 -26.83 91.14 45.28 66.01 6 38 18 2332.5 -29.83 83.13
 67.83 0 25 9 3960.43 -26.84 168.14 45.29 66.02 1 31 9 3360.4 -29.84 160.13
 112.17 5 49 26 2932.46 -26.83 91.14 45.28 66.01 6 38 18 2332.5 -29.83 83.13

DIFFERENTIAL CORRECTIONS
 TOE .2396 TRA .1674 TC3 -.6511 BAU .4253
 RDE -.3696 RRA 2.2775 RC3-2.2668 FAU .05936
 FDE -.7630 FRA 3.5073 FC3-3.8101 BSP 14915
 BDE .4405 BRA 2.2837 BC3 2.3585 FSP -2055

MID-COURSE EXECUTION ACCURACY
 SGT 686.4 SGR 4701.0 SG3 636.6
 RRT .6127 RRF .9988 RTF .6018
 SGB 4750.8 R23 .0232 R13 .9986
 SG1 4720.0 SG2 540.3 TMA 84.82

ORBIT DETERMINATION ACCURACY
 ST 386.3 SR 1429.8 SS 1085.9
 CRT -.1615 CRS -.9930 CST .2769
 LSA 1794.3 MSA 391.3 SSA 5.3
 EL1 1431.3 EL2 380.8 ALF 92.69

LAUNCH DATE APR 27 1967 FLIGHT TIME 176.00 ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 27.353 GAL 5.06 AZL 86.95 MCA 201.32 SMA 130.79 ECC .17452 INC 3.0493 V1 29.593
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.986 GAP -.59 AZP 92.84 TAL 154.71 TAP 356.03 RCA 107.96 APO 153.61 V2 35.088
 RC 80.046 GL 25.19 GP -56.10 ZAL 54.96 ZAP 88.07 ETS 4.39 ZAE 128.11 ETE 258.34 ZAC 115.41 ETC 348.85 CLP -86.53

DISTANCE 468.439

PLANETOCENTRIC CONIC
 C3 11.599 VHL 3.406 DLA 28.75 RAL 177.43 RAD 6567.4 VEL 11.532 PTH 2.01 VHP 4.823 OPA -38.18 RAP 132.76 ECC 1.1909
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.82 2 11 8 3553.75 -22.72 135.67 37.69 71.90 3 10 21 2953.8 -24.99 127.70
 95.18 3 37 18 3274.81 -22.71 115.23 37.68 71.88 4 31 52 2674.8 -24.98 107.26
 100.00 5 24 55 2928.78 -27.65 91.16 39.14 78.15 6 13 44 2328.8 -29.00 82.61
 100.00 3 6 11 3375.01 -17.96 120.64 35.72 65.69 4 2 26 2775.0 -21.09 113.25
 110.00 7 47 54 2481.10 -34.01 58.19 40.15 86.30 8 29 15 1881.1 -34.15 48.95
 110.00 2 59 41 3395.46 -12.30 119.04 32.57 57.85 3 56 17 2795.5 -16.46 112.40

DIFFERENTIAL CORRECTIONS
 TOE .1285 TRA .4162 TC3-1.0915 BAU .4351
 RDE -.4025 RRA 2.1357 RC3-2.5846 FAU .07269
 FDE -1.0302 FRA 4.1475 FC3-5.4257 BSP 14558
 BDE .4225 BRA 2.1759 BC3 2.8056 FSP -2505

MID-COURSE EXECUTION ACCURACY
 SGT 1112.4 SGR 4511.3 SG3 772.8
 RRT .8839 RRF .9986 RTF .8773
 SGB 4646.4 R23 .0355 R13 .9980
 SG1 4618.5 SG2 508.2 TMA 77.55

ORBIT DETERMINATION ACCURACY
 ST 323.5 SR 1404.5 SS 1230.2
 CRT .3286 CRS -.9923 CST -.2091
 LSA 1865.8 MSA 331.0 SSA 6.6
 EL1 1408.8 EL2 304.6 ALF 85.46

LAUNCH DATE APR 27 1967 FLIGHT TIME 178.00 ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 27.356 GAL 5.10 AZL 87.77 MCA 204.52 SMA 130.81 ECC .17469 INC 2.2327 V1 29.593
 RP 107.96 LAP -.93 LOP 60.56 VP 38.000 GAP -.14 AZP 92.03 TAL 154.52 TAP 359.04 RCA 107.96 APO 153.66 V2 35.101
 RC 82.236 GL 19.02 GP -52.01 ZAL 52.68 ZAP 91.66 ETS 359.51 ZAE 131.01 ETE 251.74 ZAC 118.02 ETC 348.40 CLP -92.70

DISTANCE 474.802

PLANETOCENTRIC CONIC
 C3 10.609 VHL 3.257 DLA 22.97 RAL 174.96 RAD 6567.4 VEL 11.489 PTH 2.00 VHP 4.452 OPA -33.74 RAP 132.84 ECC 1.1746
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 16 24 2887.25 -28.31 88.20 33.88 89.62 6 4 32 2287.2 -28.07 79.55
 90.00 0 12 20 3904.58 -9.35 155.35 29.05 63.15 1 17 25 3304.6 -12.88 148.45
 100.00 6 55 11 2568.78 -29.84 64.75 33.86 91.78 7 37 59 1968.8 -29.28 55.99
 100.00 1 16 15 3698.28 -8.00 139.47 28.33 61.10 2 17 53 3098.3 -11.79 132.73
 110.00 8 38 54 2244.28 -33.51 39.77 33.52 97.16 9 16 18 1644.3 -32.16 30.80
 110.00 1 49 1 3595.54 -4.86 129.75 26.40 56.12 2 48 57 2995.5 -9.27 123.45

DIFFERENTIAL CORRECTIONS
 TOE .0153 TRA .6537 TC3-1.5652 BAU .4432
 RDE -.4408 RRA 1.9951 RC3-2.7045 FAU .08409
 FDE -1.3598 FRA 4.7211 FC3-6.8619 BSP 14233
 BDE .4411 BRA 2.0994 BC3 3.1248 FSP -2909

MID-COURSE EXECUTION ACCURACY
 SGT 1612.5 SGR 4270.3 SG3 894.0
 RRT .9492 RRF .9984 RTF .9445
 SGB 4564.6 R23 .0482 R13 .9973
 SG1 4539.6 SG2 477.2 TMA 70.05

ORBIT DETERMINATION ACCURACY
 ST 376.9 SR 1382.7 SS 1390.1
 CRT .7854 CRS -.9918 CST -.7002
 LSA 1977.0 MSA 278.8 SSA 7.9
 EL1 1414.9 EL2 228.0 ALF 77.59

LAUNCH DATE APR 27 1967 FLIGHT TIME 180.00 ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 27.357 GAL 5.15 AZL 88.41 MCA 207.73 SMA 130.82 ECC .17509 INC 1.5940 V1 29.593
 RP 107.92 LAP -.74 LOP 63.78 VP 38.012 GAP .30 AZP 91.41 TAL 154.30 TAP 2.02 RCA 107.91 APO 153.73 V2 35.113
 RC 84.440 GL 13.79 GP -48.17 ZAL 51.02 ZAP 95.73 ETS 355.30 ZAE 133.16 ETE 244.91 ZAC 120.58 ETC 348.31 CLP -98.61

DISTANCE 481.148

PLANETOCENTRIC CONIC
 C3 10.116 VHL 3.181 DLA 18.02 RAL 173.09 RAD 6567.4 VEL 11.468 PTH 1.99 VHP 4.201 OPA -29.54 RAP 132.62 ECC 1.1665
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 7 49 2662.20 -27.32 71.84 29.47 97.74 6 52 11 2062.2 -25.97 63.44
 90.00 23 2 7 4110.46 -2.85 166.98 24.93 61.81 24 10 38 3510.5 -6.60 160.31
 100.00 7 39 49 2365.51 -28.47 49.82 29.27 99.51 8 19 14 1765.5 -26.86 41.39
 100.00 0 16 44 3882.38 -1.83 149.65 24.37 60.16 1 21 26 3282.4 -5.79 143.10
 110.00 9 11 23 2079.04 -31.42 27.35 28.55 104.22 9 46 2 1479.0 -29.15 18.88
 110.00 1 1 40 3741.62 .72 137.38 22.77 55.82 2 4 1 3141.6 -5.77 131.18

DIFFERENTIAL CORRECTIONS
 TOE -.1056 TRA .8830 TC3-2.0259 BAU .4536
 RDE -.4721 RRA 1.8525 RC3-2.6727 FAU .09328
 FDE -1.7207 FRA 5.1956 FC3-7.9830 BSP 14047
 BDE .4838 BRA 2.0522 BC3 3.3538 FSP -3256

MID-COURSE EXECUTION ACCURACY
 SGT 2120.1 SGR 3991.1 SG3 993.7
 RRT .9718 RRF .9980 RTF .9678
 SGB 4519.3 R23 .0601 R13 .9962
 SG1 4497.4 SG2 443.8 TMA 62.41

ORBIT DETERMINATION ACCURACY
 ST 538.1 SR 1354.4 SS 1554.7
 CRT .9498 CRS -.9915 CST -.9013
 LSA 2117.4 MSA 239.7 SSA 9.2
 EL1 1448.8 EL2 157.4 ALF 69.07

LAUNCH DATE APR 27 1967

FLIGHT TIME 182.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 487.478

RL 150.56 LAL .00 LOL 216.06 VL 27.357 GAL 5.22 AZL 88.92 MCA 210.94 SMA 130.81 ECC .17573 INC 1.0782 V1 29.593
 RP 107.89 LAP -.55 LOP 66.99 VP 38.023 GAP .74 AZP 90.92 TAL 154.04 TAP 4.98 RCA 107.83 APO 153.80 V2 35.125
 RC 86.655 GL 9.37 GP -44.56 ZAL 49.82 ZAP 100.09 ETS 351.73 ZAE 134.61 ETE 238.01 ZAC 123.03 ETC 348.59 CLP-104.23

PLANETOCENTRIC CONIC

C3 9.925 VML 3.150 DLA 13.78 RAL 171.69 RAD 6567.4 VEL 11.459 PTH 1.99 VHP 4.038 DPA -25.58 RAP 132.25 ECC 1.1633
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 42 17 2503.43 -25.37 60.64 26.24 103.02 7 24 1 1903.4 -23.32 52.56
 90.00 22 16 25 4261.62 2.03 175.42 22.54 61.75 23 27 26 3661.6 -1.77 168.79
 100.00 8 10 54 2217.67 -26.36 39.35 25.97 104.63 8 47 51 1617.7 -24.09 31.28
 100.00 23 30 29 4022.62 2.92 157.35 22.04 60.24 24 37 32 3422.6 -1.06 150.83
 110.00 9 35 27 1953.11 -28.96 18.37 25.08 109.01 10 8 0 1353.1 -26.09 10.36
 110.00 0 26 21 3859.94 5.23 143.58 20.61 56.17 1 30 41 3259.9 .75 137.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2361 TRA 1.1032 TC3-2.4478 BAU .4673 SGT 2013.6 SGR 3686.9 SG3 1067.2 ST 755.4 SR 1311.0 SS 1711.0
 RDE -.4898 RRA 1.7100 RC3-2.5322 FAU .09987 RRT .9816 RRF .9975 RTF .9780 CRT .9897 CRS -.9912 CST -.9622
 FDE-2.0784 FRA 5.5536 FC3-8.7114 BSP 14010 SGB 4519.3 R23 .0696 R13 .9951 LSA 2274.1 MSA 211.8 SSA 10.4
 BDE .5437 BRA 2.0350 BC3 3.5219 FSP -3526 SG1 4500.8 SG2 409.1 TMA 54.83 EL1 1510.1 EL2 93.9 ALF 60.18

LAUNCH DATE APR 27 1967

FLIGHT TIME 184.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 493.790

RL 150.56 LAL .00 LOL 216.06 VL 27.354 GAL 5.30 AZL 89.35 MCA 214.15 SMA 130.80 ECC .17660 INC .6503 V1 29.593
 RP 107.85 LAP -.37 LOP 70.21 VP 38.032 GAP 1.18 AZP 90.54 TAL 153.75 TAP 7.90 RCA 107.70 APO 153.89 V2 35.137
 RC 88.880 GL 5.63 GP -41.15 ZAL 48.90 ZAP 104.59 ETS 348.72 ZAE 135.39 ETE 231.28 ZAC 125.29 ETC 349.24 CLP-109.55

PLANETOCENTRIC CONIC

C3 9.933 VML 3.152 DLA 10.16 RAL 170.64 RAD 6567.4 VEL 11.460 PTH 1.99 VHP 3.943 DPA -21.86 RAP 131.84 ECC 1.1635
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 8 39 2381.35 -23.24 52.33 24.03 106.66 7 48 20 1781.3 -20.73 44.55
 90.00 21 41 40 4384.00 5.94 182.28 21.20 62.26 22 54 44 3784.0 2.18 175.62
 100.00 8 35 1 2102.77 -24.15 31.53 23.72 108.18 -9 10 4 1502.8 -21.44 23.78
 100.00 22 57 59 4137.81 6.78 163.72 20.74 60.82 24 6 57 3537.8 2.84 157.15
 110.00 9 54 42 1853.45 -26.56 11.61 22.73 112.35 10 25 35 1253.5 -23.29 3.97
 110.00 23 54 48 3959.89 8.99 148.88 19.40 56.88 25 0 48 3359.9 4.56 142.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.3743 TRA 1.3149 TC3-2.8113 BAU .4842 SGT 3082.4 SGR 3371.6 SG3 1113.2 ST 998.3 SR 1249.4 SS 1848.9
 RDE -.4923 RRA 1.5714 RC3-2.3226 FAU .10362 RRT .9864 RRF .9968 RTF .9832 CRT .9987 CRS -.9905 CST -.9825
 FDE-2.4048 FRA 5.7931 FC3-9.0321 BSP 14124 SGB 4568.3 R23 .0750 R13 .9940 LSA 2436.9 MSA 193.8 SSA 11.4
 BDE .6184 BRA 2.0490 BC3 3.6467 FSP -3706 SG1 4552.9 SG2 374.6 TMA 47.60 EL1 1598.8 EL2 39.9 ALF 51.38

LAUNCH DATE APR 27 1967

FLIGHT TIME 186.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 500.082

RL 150.56 LAL .00 LOL 216.06 VL 27.349 GAL 5.40 AZL 89.71 MCA 217.37 SMA 130.76 ECC .17770 INC .2875 V1 29.593
 RP 107.82 LAP -.17 LOP 73.43 VP 38.039 GAP 1.62 AZP 90.23 TAL 153.43 TAP 10.80 RCA 107.53 APO 154.00 V2 35.149
 RC 91.113 GL 2.47 GP -37.94 ZAL 48.18 ZAP 109.12 ETS 346.22 ZAE 135.59 ETE 224.94 ZAC 127.30 ETC 350.24 CLP-114.55

PLANETOCENTRIC CONIC

C3 10.081 VML 3.175 DLA 7.05 RAL 169.87 RAD 6567.4 VEL 11.466 PTH 1.99 VHP 3.903 DPA -18.39 RAP 131.46 ECC 1.1659
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 30 12 2283.77 -21.19 45.91 22.61 109.24 8 8 15 1683.8 -18.37 38.37
 90.00 21 14 2 4487.51 9.18 188.16 20.59 63.10 22 28 49 3887.5 5.50 181.42
 100.00 8 54 54 2010.54 -22.06 25.48 22.27 110.71 9 28 25 1410.5 -19.04 17.98
 100.00 22 32 0 4235.97 10.00 169.23 20.15 61.68 23 42 36 3636.0 6.14 162.57
 110.00 10 10 51 1772.87 -24.37 6.38 21.21 114.75 10 40 24 1172.9 -20.82 359.02
 110.00 23 32 32 4046.41 12.17 153.56 18.86 57.81 24 39 59 3446.4 7.83 147.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.5185 TRA 1.5173 TC3-3.1094 BAU .5043 SGT 3519.2 SGR 3057.1 SG3 1132.5 ST 1250.5 SR 1171.9 SS 1963.7
 RDE -.4818 RRA 1.4388 RC3-2.0811 FAU .10476 RRT .9890 RRF .9958 RTF .9861 CRT .9999 CRS -.9893 CST -.9905
 FDE-2.6843 FRA 5.9164 FC3-8.9963 BSP 14403 SGB 4661.7 R23 .0753 R13 .9929 LSA 2600.0 MSA 182.9 SSA 12.2
 BDE .7078 BRA 2.0910 BC3 3.7416 FSP -3800 SG1 4649.0 SG2 343.0 TMA 40.94 EL1 1713.8 EL2 14.4 ALF 43.14

LAUNCH DATE APR 27 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 506.354

RL 150.56 LAL .00 LOL 216.06 VL 27.343 GAL 5.51 AZL 90.02 MCA 220.60 SMA 130.72 ECC .17903 INC .0242 V1 29.593
 RP 107.78 LAP .02 LOP 76.66 VP 38.045 GAP 2.06 AZP 89.98 TAL 153.07 TAP 13.67 RCA 107.32 APO 154.12 V2 35.160
 RC 93.352 GL -.21 GP -34.95 ZAL 47.56 ZAP 113.58 ETS 344.17 ZAE 135.31 ETE 219.16 ZAC 129.01 ETC 351.54 CLP-119.22

PLANETOCENTRIC CONIC

C3 10.339 VML 3.216 DLA 4.36 RAL 169.34 RAD 6567.4 VEL 11.477 PTH 2.00 VHP 3.907 DPA -15.20 RAP 131.18 ECC 1.1702
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 48 34 2204.02 -19.31 40.81 21.78 111.12 8 25 18 1604.0 -16.27 33.46
 90.00 20 51 26 4577.40 11.90 193.36 20.50 64.12 22 7 43 3977.4 8.33 186.51
 100.00 9 11 57 1935.06 -20.16 20.67 21.42 112.55 9 44 13 1335.1 -16.93 13.37
 100.00 22 10 44 4321.59 12.72 174.13 20.08 62.72 23 22 45 3721.6 8.97 167.36
 110.00 10 24 53 1706.80 -22.42 2.24 20.31 116.51 10 53 20 1106.8 -18.68 355.10
 110.00 23 14 17 4122.61 14.89 157.78 18.83 58.87 24 23 0 3522.6 10.66 151.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.6651 TRA 1.7131 TC3-3.3337 BAU .5253 SGT 3920.8 SGR 2753.0 SG3 1127.9 ST 1500.7 SR 1080.6 SS 2049.5
 RDE -.4588 RRA 1.3164 RC3-1.8248 FAU .10315 RRT .9900 RRF .9943 RTF .9877 CRT .9986 CRS -.9874 CST -.9943
 FDE-2.8980 FRA 5.9457 FC3-8.6366 BSP 14764 SGB 4790.8 R23 .0705 R13 .9921 LSA 2754.7 MSA 177.1 SSA 12.8
 BDE .8080 BRA 2.1604 BC3 3.8005 FSP -3797 SG1 4780.2 SG2 318.4 TMA 34.98 EL1 1848.7 EL2 47.2 ALF 35.74

LAUNCH DATE APR 27 1967 FLIGHT TIME 190.00 ARRIVAL DATE NOV 3 1967

DISTANCE 512.604

MELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 27.336 GAL 5.64 AZL 90.30 MCA 223.82 SMA 130.67 ECC .18059 INC .2991 V1 29.593
 RP 107.75 LAP .21 LOP 79.88 VP 38.049 GAP 2.50 AZP 89.78 TAL 152.68 TAP 16.50 RCA 107.07 APO 154.27 V2 35.170
 RC 95.596 GL -2.49 GP -32.19 ZAL 47.00 ZAP 117.89 ETS 342.49 ZAE 134.66 ETE 214.03 ZAC 130.38 ETC 353.08 CLP-123.56

PLANETOCENTRIC CONIC
 C3 10.688 VHL 3.269 DLA 2.02 RAL 169.01 RAD 6567.4 VEL 11.492 PTH 2.00 VHP 3.949 DPA -12.28 RAP 131.04 ECC 1.1759
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 4 43 2137.92 -17.64 36.69 21.42 112.52 8 40 20 1537.9 -14.43 29.47
 90.00 20 32 39 4656.92 14.22 198.05 20.81 65.25 21 50 16 4056.9 10.76 191.08
 100.00 9 26 59 1872.52 -18.48 16.79 21.04 113.92 9 58 12 1272.5 -15.09 9.63
 100.00 21 53 3 4397.56 15.05 178.57 20.41 63.86 23 6 20 3797.6 11.41 171.67
 110.00 10 37 23 1652.17 -20.72 358.91 19.89 117.81 11 4 55 1052.2 -16.84 351.93
 110.00 22 59 8 4190.67 17.25 161.65 19.18 60.02 24 8 59 3590.7 13.13 154.96

MID-COURSE EXECUTION ACCURACY
 SGT 4287.0 SGR 2468.2 SG3 1104.4
 RRT .9902 RRF .9923 RTF .9887
 SGB 4946.8 R23 .0607 R13 .9914
 SG1 4937.7 SG2 299.4 THA 29.81

ORBIT DETERMINATION ACCURACY
 ST 1745.0 SR 984.2 SS 2113.4
 CRT .9961 CRS -.9847 CST -.9961
 LSA 2906.8 MSA 174.7 SSA 13.2
 EL1 2002.0 EL2 75.8 ALF 29.37

DIFFERENTIAL CORRECTIONS
 TDE -.8152 TRA 1.9002 TC3-3.4988 BAU .5489
 RDE -.4297 RRA 1.2028 RC3-1.5865 FAU .10007
 FDE-3.0600 FRA 5.8855 FC3-8.1059 BSP 15285
 BDE .9215 BRA 2.2489 BC3 3.8417 FSP -3745

LAUNCH DATE APR 27 1967 FLIGHT TIME 192.00 ARRIVAL DATE NOV 5 1967

DISTANCE 518.833

MELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 27.327 GAL 5.78 AZL 90.54 MCA 227.05 SMA 130.60 ECC .18239 INC .5434 V1 29.593
 RP 107.72 LAP .40 LOP 83.11 VP 38.052 GAP 2.95 AZP 89.63 TAL 152.26 TAP 19.31 RCA 106.78 APO 154.42 V2 35.180
 RC 97.843 GL -4.44 GP -29.65 ZAL 46.47 ZAP 122.01 ETS 341.11 ZAE 133.76 ETE 209.60 ZAC 131.41 ETC 354.77 CLP-127.58

PLANETOCENTRIC CONIC
 C3 11.117 VHL 3.334 DLA -.03 RAL 168.85 RAD 6567.4 VEL 11.511 PTH 2.01 VHP 4.022 DPA -9.65 RAP 131.05 ECC 1.1830
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 19 11 2082.68 -16.16 33.30 21.44 113.57 8 53 54 1482.7 -12.84 26.20
 90.00 20 16 51 4728.30 16.21 202.35 21.45 66.46 21 35 39 4128.3 12.89 195.25
 100.00 9 40 31 1820.33 -17.01 13.61 21.04 114.96 10 10 52 1220.3 -13.50 6.57
 100.00 21 38 12 4465.88 17.05 182.66 21.05 65.07 22 52 38 3865.9 13.55 175.61
 110.00 10 48 44 1606.79 -19.26 356.20 19.84 118.80 11 15 31 1006.8 -15.27 349.36
 110.00 22 46 28 4252.15 19.30 165.23 19.85 61.22 23 57 20 3652.2 15.31 158.39

MID-COURSE EXECUTION ACCURACY
 SGT 4618.3 SGR 2206.5 SG3 1066.2
 RRT .9895 RRF .9896 RTF .9893
 SGB 5118.3 R23 .0477 R13 .9909
 SG1 5110.1 SG2 288.8 THA 25.39

ORBIT DETERMINATION ACCURACY
 ST 1977.8 SR 885.0 SS 2153.3
 CRT .9925 CRS -.9808 CST -.9972
 LSA 3049.7 MSA 174.5 SSA 13.5
 EL1 2164.5 EL2 98.8 ALF 24.00

DIFFERENTIAL CORRECTIONS
 TDE -.9658 TRA 2.0820 TC3-3.6032 BAU .5727
 RDE -.3949 RRA 1.1009 RC3-1.3658 FAU .09548
 FDE-3.1634 FRA 5.7655 FC3-7.4353 BSP 15860
 BDE 1.0434 BRA 2.3552 BC3 3.8533 FSP -3635

LAUNCH DATE APR 27 1967 FLIGHT TIME 194.00 ARRIVAL DATE NOV 7 1967

DISTANCE 525.038

MELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 27.316 GAL 5.94 AZL 90.76 MCA 230.28 SMA 130.53 ECC .18442 INC .7636 V1 29.593
 RP 107.69 LAP .59 LOP 86.34 VP 38.054 GAP 3.39 AZP 89.51 TAL 151.80 TAP 22.08 RCA 106.46 APO 154.60 V2 35.190
 RC 100.092 GL -6.10 GP -27.33 ZAL 45.93 ZAP 125.90 ETS 339.97 ZAE 132.70 ETE 205.81 ZAC 132.09 ETC 356.54 CLP-131.31

PLANETOCENTRIC CONIC
 C3 11.623 VHL 3.409 DLA -1.82 RAL 168.82 RAD 6567.4 VEL 11.533 PTH 2.01 VHP 4.121 DPA -7.31 RAP 131.24 ECC 1.1913
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 32 24 2036.29 -14.88 30.50 21.75 114.37 9 6 20 1436.3 -11.47 23.48
 90.00 20 3 27 4793.12 17.93 206.33 22.34 67.71 21 23 20 4193.1 14.75 199.10
 100.00 9 52 54 1776.63 -15.73 10.99 21.34 115.75 10 22 30 1176.6 -12.14 4.04
 100.00 21 25 39 4528.01 18.79 186.45 21.95 66.32 22 41 7 3928.0 15.43 179.27
 110.00 10 59 12 1569.08 -18.01 353.99 20.10 119.56 11 25 21 969.1 -13.93 347.25
 110.00 22 35 50 4308.32 21.11 168.59 20.77 62.47 23 47 38 3708.3 17.25 161.58

MID-COURSE EXECUTION ACCURACY
 SGT 4916.5 SGR 1970.3 SG3 1018.1
 RRT .9878 RRF .9860 RTF .9896
 SGB 5296.6 R23 .0332 R13 .9905
 SG1 5288.9 SG2 285.3 THA 21.66

ORBIT DETERMINATION ACCURACY
 ST 2197.1 SR 787.5 SS 2173.1
 CRT .9875 CRS -.9753 CST -.9979
 LSA 3184.1 MSA 175.5 SSA 13.6
 EL1 2331.0 EL2 117.1 ALF 19.54

DIFFERENTIAL CORRECTIONS
 TDE-1.1167 TRA 2.2596 TC3-3.6560 BAU .5985
 RDE -.3570 RRA 1.0103 RC3-1.1698 FAU .08999
 FDE-3.2176 FRA 5.6019 FC3-6.7026 BSP 16484
 BDE 1.1724 BRA 2.4752 BC3 3.8386 FSP -3491

LAUNCH DATE APR 27 1967 FLIGHT TIME 196.00 ARRIVAL DATE NOV 9 1967

DISTANCE 531.220

MELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 27.305 GAL 6.12 AZL 90.96 MCA 233.51 SMA 130.45 ECC .18670 INC .9640 V1 29.593
 RP 107.66 LAP .78 LOP 89.57 VP 38.054 GAP 3.84 AZP 89.43 TAL 151.32 TAP 24.83 RCA 106.09 APO 154.81 V2 35.199
 RC 102.344 GL -7.51 GP -25.24 ZAL 45.39 ZAP 129.56 ETS 339.01 ZAE 131.56 ETE 202.62 ZAC 132.45 ETC 358.31 CLP-134.75

PLANETOCENTRIC CONIC
 C3 12.203 VHL 3.493 DLA -3.40 RAL 168.92 RAD 6567.5 VEL 11.558 PTH 2.02 VHP 4.244 DPA -5.23 RAP 131.59 ECC 1.2008
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 44 36 1997.33 -13.77 28.17 22.32 114.99 9 17 53 1397.3 -10.29 21.22
 90.00 19 52 4 4852.58 19.42 210.05 23.46 68.98 21 12 57 4252.6 16.39 202.69
 100.00 10 4 21 1740.06 -14.64 8.83 21.89 116.36 10 33 21 1140.1 -10.98 1.95
 100.00 21 15 0 4585.08 20.32 190.00 23.08 67.59 22 31 25 3985.1 17.10 182.68
 110.00 11 8 56 1537.84 -16.95 352.19 20.61 120.14 11 34 34 937.8 -12.81 345.52
 110.00 22 26 54 4360.06 22.70 171.76 21.92 63.73 23 39 34 3760.1 18.99 164.59

MID-COURSE EXECUTION ACCURACY
 SGT 5184.6 SGR 1759.9 SG3 963.9
 RRT .9850 RRF .9811 RTF .9896
 SGB 5475.1 R23 .0192 R13 .9901
 SG1 5467.6 SG2 287.8 THA 18.54

ORBIT DETERMINATION ACCURACY
 ST 2401.2 SR 694.3 SS 2175.3
 CRT .9803 CRS -.9674 CST -.9983
 LSA 3308.8 MSA 177.4 SSA 13.7
 EL1 2496.1 EL2 131.8 ALF 15.87

DIFFERENTIAL CORRECTIONS
 TDE-1.2670 TRA 2.4358 TC3-3.6615 BAU .6192
 RDE -.3174 RRA .9311 RC3 -.9979 FAU .08384
 FDE-3.2292 FRA 5.4743 FC3-5.9479 BSP 17108
 BDE 1.3062 BRA 2.6077 BC3 3.7950 FSP -3320

LAUNCH DATE APR 27 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 11 1967

MELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 27.292 GAL 6.31 AZL 91.15 MCA 236.75 SMA 130.36 ECC .18923 INC 1.1484 V1 29.593
 RP 107.63 LAP .96 LOP 92.80 VP 38.053 GAP -4.29 AZP 89.37 TAL 150.80 TAP 27.55 RCA 105.69 APO 155.03 V2 35.208
 RC 104.596 GL -8.72 GP -23.35 ZAL 44.82 ZAP 132.97 ETS 338.18 ZAE 130.39 ETE 199.95 ZAC 132.49 ETC .04 CLP-137.94

PLANETOCENTRIC CONIC
 C3 12.861 VHL 3.586 DLA -4.81 RAL 169.13 RAD 6567.5 VEL 11.587 PTH 2.03 VHP 4.388 DPA -3.41 RAP 132.11 ECC 1.2117
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 55 58 1964.69 -12.83 26.24 23.11 115.46 9 28 42 1364.7 -9.29 19.35
 90.00 19 42 22 4907.60 20.73 213.56 24.76 70.26 21 4 10 4307.6 17.85 206.07
 100.00 10 15 2 1709.58 -13.71 7.04 22.66 116.82 10 43 32 1109.6 -10.00 .21
 100.00 21 5 58 4637.94 21.65 193.36 24.40 68.87 22 23 16 4037.9 18.59 185.91
 110.00 11 18 6 1512.15 -16.06 350.72 21.33 120.59 11 43 18 912.2 -11.88 344.11
 110.00 22 19 24 4408.14 24.12 174.78 23.26 65.01 23 32 52 3808.1 20.55 167.45

DIFFERENTIAL CORRECTIONS
 TDE-1.4141 TRA 2.6143 TC3-3.6212 BAU .6394
 RDE -.2763 RRA .8628 RC3 -.8471 FAU .07716
 FDE-3.2001 FRA 5.2190 FC3-5.1937 BSP 17666
 BDE 1.4408 BRA 2.7530 BC3 3.7190 FSP -3122

MID-COURSE EXECUTION ACCURACY
 SGT 5423.9 SGR 1574.0 SG3 906.3
 RRT .9808 RRF .9748 RTF .9895
 SGB 5647.7 R23 .0072 R13 .9897
 SGI 5639.9 SG2 295.2 THA 15.93

ORBIT DETERMINATION ACCURACY
 ST 2586.8 SR 606.1 SS 2159.6
 CRT .9697 CRS -.9558 CST -.9986
 LSA 3419.1 MSA 179.9 SSA 13.8
 EL1 2652.9 EL2 144.3 ALF 12.84

LAUNCH DATE APR 27 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 13 1967

MELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 27.278 GAL 6.52 AZL 91.32 MCA 239.98 SMA 130.26 ECC .19202 INC 1.3197 V1 29.593
 RP 107.61 LAP 1.14 LOP 96.04 VP 38.050 GAP 4.74 AZP 89.34 TAL 150.26 TAP 30.24 RCA 105.25 APO 155.28 V2 35.216
 RC 106.849 GL -9.75 GP -21.64 ZAL 44.23 ZAP 136.16 ETS 337.45 ZAE 129.23 ETE 197.72 ZAC 132.26 ETC 1.66 CLP-140.90

PLANETOCENTRIC CONIC
 C3 13.599 VHL 3.688 DLA -6.05 RAL 169.44 RAD 6567.5 VEL 11.618 PTH 2.04 VHP 4.550 DPA -1.83 RAP 132.80 ECC 1.2238
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 6 38 1937.57 -12.03 24.65 24.08 115.83 9 38 55 1337.6 -8.46 17.80
 90.00 19 34 7 4958.90 21.87 216.89 26.24 71.55 20 56 46 4358.9 19.15 209.27
 100.00 10 25 6 1684.43 -12.93 5.58 23.61 117.19 10 53 10 1084.4 -9.19 358.79
 100.00 20 58 20 4687.27 22.83 196.55 25.88 70.16 22 16 27 4087.3 19.92 188.97
 110.00 11 26 46 1491.33 -15.34 349.55 22.24 120.93 11 51 38 891.3 -11.13 342.98
 110.00 22 13 9 4453.13 25.38 177.66 24.76 66.29 23 27 22 3853.1 21.96 170.18

DIFFERENTIAL CORRECTIONS
 TDE-1.5633 TRA 2.7913 TC3-3.5566 BAU .6598
 RDE -.2369 RRA .8027 RC3 -.7220 FAU .07081
 FDE-3.1544 FRA 5.0135 FC3-4.5075 BSP 18270
 BDE 1.5812 BRA 2.9045 BC3 3.6292 FSP -2935

MID-COURSE EXECUTION ACCURACY
 SGT 5639.2 SGR 1411.3 SG3 848.4
 RRT .9751 RRF .9667 RTF .9894
 SGB 5813.1 R23 -.0035 R13 .9894
 SGI 5805.2 SG2 304.2 THA 13.75

ORBIT DETERMINATION ACCURACY
 ST 2760.0 SR 526.6 SS 2136.9
 CRT .9547 CRS -.9396 CST -.9988
 LSA 3525.3 MSA 182.3 SSA 13.9
 EL1 2805.6 EL2 154.1 ALF 10.36

LAUNCH DATE APR 27 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 15 1967

MELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 27.263 GAL 6.75 AZL 91.48 MCA 243.22 SMA 130.16 ECC .19508 INC 1.4803 V1 29.593
 RP 107.59 LAP 1.32 LOP 99.27 VP 38.046 GAP 5.20 AZP 89.33 TAL 149.69 TAP 32.91 RCA 104.77 APO 155.55 V2 35.223
 RC 109.101 GL -10.61 GP -20.12 ZAL 43.62 ZAP 139.14 ETS 336.76 ZAE 128.12 ETE 195.85 ZAC 131.79 ETC 3.17 CLP-143.65

PLANETOCENTRIC CONIC
 C3 14.424 VHL 3.798 DLA -7.16 RAL 169.82 RAD 6567.6 VEL 11.654 PTH 2.05 VHP 4.728 DPA -.48 RAP 133.63 ECC 1.2374
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 16 41 1915.32 -11.36 23.36 25.21 116.11 9 48 37 1315.3 -7.76 16.53
 90.00 19 27 7 5007.05 22.87 220.06 27.86 72.84 20 50 34 4407.0 20.31 212.33
 100.00 10 34 36 1663.97 -12.30 4.39 24.73 117.46 11 2 20 1064.0 -8.52 357.64
 100.00 20 51 54 4733.63 23.86 199.61 27.51 71.44 22 10 47 4133.6 21.11 191.89
 110.00 11 35 1 1474.83 -14.76 348.62 23.30 121.19 11 59 35 874.8 -10.52 342.08
 110.00 22 7 58 4495.53 26.51 180.44 26.42 67.59 23 22 54 3895.5 23.24 172.81

DIFFERENTIAL CORRECTIONS
 TDE-1.7117 TRA 2.9717 TC3-3.4640 BAU .6785
 RDE -.1984 RRA .7507 RC3 -.6157 FAU .06456
 FDE-3.0895 FRA 4.8119 FC3-3.8746 BSP 18843
 BDE 1.7232 BRA 3.0651 BC3 3.5183 FSP -2748

MID-COURSE EXECUTION ACCURACY
 SGT 5831.6 SGR 1269.3 SG3 791.5
 RRT .9674 RRF .9566 RTF .9891
 SGB 5968.2 R23 -.0122 R13 .9890
 SGI 5959.9 SG2 314.5 THA 11.92

ORBIT DETERMINATION ACCURACY
 ST 2917.5 SR 455.0 SS 2104.9
 CRT .9327 CRS -.9161 CST -.9990
 LSA 3621.5 MSA 184.9 SSA 13.9
 EL1 2948.3 EL2 162.4 ALF 8.30

LAUNCH DATE APR 27 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 17 1967

MELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 27.248 GAL 7.00 AZL 91.63 MCA 246.46 SMA 130.05 ECC .19843 INC 1.6319 V1 29.593
 RP 107.57 LAP 1.50 LOP 102.51 VP 38.041 GAP 5.67 AZP 89.35 TAL 149.09 TAP 35.55 RCA 104.25 APO 155.86 V2 35.230
 RC 111.351 GL -11.34 GP -18.75 ZAL 42.97 ZAP 141.91 ETS 336.10 ZAE 127.06 ETE 194.28 ZAC 131.10 ETC 4.53 CLP-146.21

PLANETOCENTRIC CONIC
 C3 15.343 VHL 3.917 DLA -8.15 RAL 170.28 RAD 6567.6 VEL 11.693 PTH 2.06 VHP 4.922 DPA .68 RAP 134.60 ECC 1.2525
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 26 13 1897.43 -10.83 22.32 26.48 116.33 9 57 50 1297.4 -7.20 15.51
 90.00 19 21 14 5052.52 23.75 223.10 29.61 74.11 20 45 26 4452.5 21.35 215.26
 100.00 10 43 37 1647.73 -11.78 3.46 25.99 117.67 11 11 5 1047.7 -7.99 356.73
 100.00 20 46 31 4777.45 24.78 202.54 29.28 72.73 22 6 8 4177.5 22.18 194.70
 110.00 11 42 52 1462.20 -14.31 347.91 24.52 121.38 12 7 14 862.2 -10.05 341.40
 110.00 22 3 45 4553.75 27.53 183.12 28.21 68.88 23 19 21 3935.7 24.41 175.34

DIFFERENTIAL CORRECTIONS
 TDE-1.8600 TRA 3.1572 TC3-3.3492 BAU .6954
 RDE -.1610 RRA .7059 RC3 -.5256 FAU .05854
 FDE-3.0122 FRA 4.6190 FC3-3.3032 BSP 19377
 BDE 1.8669 BRA 3.2351 BC3 3.3902 FSP -2564

MID-COURSE EXECUTION ACCURACY
 SGT 6004.2 SGR 1145.8 SG3 736.7
 RRT .9574 RRF .9440 RTF .9888
 SGB 6112.6 R23 -.0191 R13 .9886
 SGI 6103.9 SG2 325.3 THA 10.38

ORBIT DETERMINATION ACCURACY
 ST 3060.5 SR 391.8 SS 2066.5
 CRT .9002 CRS -.8819 CST -.9991
 LSA 3708.8 MSA 187.5 SSA 13.9
 EL1 3080.8 EL2 169.5 ALF 6.59

LAUNCH DATE APR 27 1967 FLIGHT TIME 206.00 ARRIVAL DATE NOV 19 1967

DISTANCE 561.714
 HELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 27.231 GAL 7.27 AZL 91.78 MCA 249.70 SMA 129.94 ECC .20206 INC 1.7764 V1 29.593
 RP 107.55 LAP 1.67 LOP 105.75 VP 38.035 GAP 6.15 AZP 89.38 TAL 148.47 TAP 38.17 RCA 103.68 APO 156.19 V2 35.236
 RC 113.598 GL -1.95 GP -17.53 ZAL 42.31 ZAP 144.49 ETS 335.44 ZAE 126.07 ETE 192.96 ZAC 130.22 ETC 5.75 CLP-148.61
 PLANETOCENTRIC CONIC
 C3 16.366 VML 4.046 DLA -9.04 RAL 170.79 RAD 6567.7 VEL 11.737 PTH 2.07 VMP 5.131 DPA 1.65 RAP 135.70 ECC 1.2693
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 35 16 1883.52 -10.40 21.51 27.89 116.48 10 6 39 1283.5 -6.77 14.72
 90.00 19 16 19 5095.69 24.53 226.03 31.49 75.39 20 41 15 4495.7 22.28 218.08
 100.00 10 52 12 1635.33 -11.39 2.75 27.37 117.82 11 19 27 1035.3 -7.58 356.03
 100.00 20 42 4 4819.11 25.59 205.37 31.17 74.01 22 2 23 4219.1 23.15 197.42
 110.00 11 50 23 1453.10 -13.99 347.40 25.86 121.51 12 14 36 853.1 -9.72 340.91
 110.00 22 0 22 4574.11 28.44 185.73 30.14 70.18 23 16 36 3974.1 25.47 177.81
 DIFFERENTIAL CORRECTIONS
 TDE-2.0085 TRA 3.3486 TC3-3.2170 BAU .7107 SGT 6158.5 SGR 1038.5 SG3 684.6 ORBIT DETERMINATION ACCURACY
 ROE -.1248 RRA .6670 RC3 -.4494 FAU .05285 RRT .9448 RRF .9286 RTF .9884 ST 3189.6 SR 337.2 SS 2023.5
 FDE-2.9271 FRA 4.4365 FC3-2.7955 BSP 19875 SGB 6245.4 R23 -.0246 R13 .9883 CRT .8526 CRS -.8324 CST -.9993
 BOE 2.0124 BRA 3.4143 BC3 3.2482 FSP -2389 SGI 6236.4 SG2 335.9 THA 9.08 LSA 3787.5 MSA 190.0 SSA 13.9
 EL1 3202.6 EL2 175.5 ALF 5.17

LAUNCH DATE APR 27 1967 FLIGHT TIME 208.00 ARRIVAL DATE NOV 21 1967

DISTANCE 567.717
 HELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 27.214 GAL 7.57 AZL 91.91 MCA 252.94 SMA 129.82 ECC .20602 INC 1.9149 V1 29.593
 RP 107.53 LAP 1.83 LOP 108.99 VP 38.028 GAP 6.64 AZP 89.44 TAL 147.83 TAP 40.77 RCA 103.07 APO 156.56 V2 35.241
 RC 115.842 GL -12.44 GP -16.43 ZAL 41.62 ZAP 146.90 ETS 334.75 ZAE 125.14 ETE 191.85 ZAC 129.19 ETC 6.82 CLP-150.86
 PLANETOCENTRIC CONIC
 C3 17.504 VML 4.184 DLA -9.83 RAL 171.36 RAD 6567.7 VEL 11.785 PTH 2.08 VMP 5.354 DPA 2.45 RAP 136.91 ECC 1.2881
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 43 52 1873.25 -10.09 20.92 29.41 116.60 10 15 5 1273.3 -6.44 14.14
 90.00 19 12 16 5136.90 25.20 228.86 33.48 76.65 20 37 53 4536.9 23.12 220.81
 100.00 11 0 22 1626.46 -11.11 2.24 28.88 117.93 11 27 28 1026.5 -7.29 355.54
 100.00 20 38 28 4858.92 26.31 208.11 33.17 75.28 21 59 26 4258.9 24.03 200.05
 110.00 11 57 35 1447.26 -13.78 347.08 27.31 121.60 12 21 43 847.3 -9.50 340.59
 110.00 21 57 43 4610.89 29.26 188.28 32.17 71.49 23 14 34 4010.9 26.46 180.22
 DIFFERENTIAL CORRECTIONS
 TDE-2.1549 TRA 3.5505 TC3-3.0640 BAU .7226 SGT 6295.5 SGR 945.4 SG3 635.6 ORBIT DETERMINATION ACCURACY
 ROE -.0893 RRA .6337 RC3 -.3835 FAU .04730 RRT .9292 RRF .9103 RTF .9881 ST 3302.5 SR 291.3 SS 1974.9
 FDE-2.8330 FRA 4.2705 FC3-2.3392 BSP 20272 SGB 6366.1 R23 -.0286 R13 .9879 CRT .7824 CRS -.7601 CST -.9994
 BOE 2.1568 BRA 3.6066 BC3 3.0879 FSP -2215 SGI 6356.7 SG2 346.1 THA 7.97 LSA 3854.1 MSA 192.6 SSA 13.9
 EL1 3310.4 EL2 181.0 ALF 3.96

LAUNCH DATE APR 27 1967 FLIGHT TIME 210.00 ARRIVAL DATE NOV 23 1967

DISTANCE 573.682
 HELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 27.196 GAL 7.88 AZL 92.05 MCA 256.18 SMA 129.69 ECC .21030 INC 2.0488 V1 29.593
 RP 107.52 LAP 1.99 LOP 112.24 VP 38.019 GAP 7.14 AZP 89.51 TAL 147.17 TAP 43.36 RCA 102.42 APO 156.97 V2 35.246
 RC 118.080 GL -12.84 GP -15.44 ZAL 40.91 ZAP 149.17 ETS 334.02 ZAE 124.28 ETE 190.91 ZAC 128.01 ETC 7.76 CLP-152.98
 PLANETOCENTRIC CONIC
 C3 18.770 VML 4.332 DLA -10.53 RAL 171.98 RAD 6567.8 VEL 11.839 PTH 2.10 VMP 5.591 DPA 3.10 RAP 138.23 ECC 1.3089
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 52 3 1866.38 -9.88 20.52 31.03 116.67 10 23 9 1266.4 -6.22 13.75
 90.00 19 9 0 5176.39 25.80 231.60 35.56 77.90 20 35 17 4576.4 23.87 223.46
 100.00 11 8 8 1620.87 -10.93 1.92 30.48 118.00 11 35 9 1020.9 -7.10 355.23
 100.00 20 35 36 4897.13 26.95 210.77 35.27 76.54 21 57 13 4297.1 24.83 202.61
 110.00 12 4 29 1444.43 -13.68 346.92 28.87 121.64 12 28 33 844.4 -9.40 340.44
 110.00 21 55 44 4646.33 30.00 190.77 34.32 72.79 23 13 11 4046.3 27.36 182.58
 DIFFERENTIAL CORRECTIONS
 TDE-2.3052 TRA 3.7583 TC3-2.9072 BAU .7342 SGT 6418.5 SGR 864.1 SG3 589.9 ORBIT DETERMINATION ACCURACY
 ROE -.0555 RRA .6041 RC3 -.3287 FAU .04231 RRT .9103 RRF .8886 RTF .9877 ST 3405.8 SR 254.7 SS 1927.1
 FDE-2.7426 FRA 4.1129 FC3-1.9514 BSP 20700 SGB 6476.4 R23 -.0320 R13 .9875 CRT .6849 CRS -.6606 CST -.9994
 BOE 2.3059 BRA 3.8065 BC3 2.9257 FSP -2061 SGI 6466.7 SG2 355.0 THA 7.01 LSA 3916.6 MSA 194.7 SSA 13.8
 EL1 3410.3 EL2 185.4 ALF 2.94

LAUNCH DATE APR 27 1967 FLIGHT TIME 212.00 ARRIVAL DATE NOV 25 1967

DISTANCE 579.605
 HELIOCENTRIC CONIC
 RL 150.56 LAL .00 LOL 216.06 VL 27.177 GAL 8.23 AZL 92.18 MCA 259.43 SMA 129.56 ECC .21495 INC 2.1790 V1 29.593
 RP 107.50 LAP 2.14 LOP 115.48 VP 38.009 GAP 7.65 AZP 89.60 TAL 146.50 TAP 45.93 RCA 101.71 APO 157.41 V2 35.250
 RC 120.312 GL -13.16 GP -14.56 ZAL 40.18 ZAP 151.29 ETS 333.21 ZAE 123.48 ETE 190.10 ZAC 126.71 ETC 8.58 CLP-154.98
 PLANETOCENTRIC CONIC
 C3 20.180 VML 4.492 DLA -11.16 RAL 172.64 RAD 6567.8 VEL 11.898 PTH 2.11 VMP 5.843 DPA 3.61 RAP 139.63 ECC 1.3321
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 59 49 1862.68 -9.77 20.31 32.76 116.71 10 30 52 1262.7 -6.11 13.55
 90.00 19 6 27 5214.39 26.31 234.26 37.74 79.14 20 33 21 4614.4 24.55 226.04
 100.00 11 15 33 1618.35 -10.85 1.78 32.19 118.03 11 42 32 1018.4 -7.02 355.09
 100.00 20 33 24 4933.96 27.50 213.37 37.47 77.80 21 55 38 4334.0 25.54 205.11
 110.00 12 11 5 1444.43 -13.68 346.92 30.53 121.64 12 35 10 844.4 -9.40 340.44
 110.00 21 54 21 4680.64 30.67 193.22 36.57 74.10 23 12 22 4080.6 28.18 184.91
 DIFFERENTIAL CORRECTIONS
 TDE-2.4573 TRA 3.9761 TC3-2.7427 BAU .7439 SGT 6528.0 SGR 793.3 SG3 547.6 ORBIT DETERMINATION ACCURACY
 ROE -.0227 RRA .5779 RC3 -.2818 FAU .03767 RRT .8879 RRF .8635 RTF .9873 ST 3497.6 SR 227.4 SS 1878.3
 FDE-2.6526 FRA 3.9685 FC3-1.6162 BSP 21096 SGB 6576.0 R23 -.0345 R13 .9871 CRT .5544 CRS -.5287 CST -.9995
 BOE 2.4574 BRA 4.0179 BC3 2.7572 FSP -1917 SGI 6566.0 SG2 362.9 THA 6.18 LSA 3971.7 MSA 196.7 SSA 13.7
 EL1 3499.9 EL2 189.1 ALF 2.07

LAUNCH DATE APR 27 1967

FLIGHT TIME 214.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 585.482

RL 150.56 LAL .00 LOL 216.06 VL 27.158 GAL 8.59 AZL 92.31 MCA 262.67 SMA 129.43 ECC .2199H INC 2.3065 V1 29.593
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.999 GAP 8.18 AZP 89.71 TAL 145.81 TAP 48.48 RCA 100.96 APO 157.90 V2 35.253
 RC 122.538 GL -13.40 GP -13.76 ZAL 39.44 ZAP 153.28 ETS 332.31 ZAE 122.73 ETE 189.41 ZAC 125.31 ETC 9.28 CLP-156.87

PLANETOCENTRIC CONIC

C3 21.752 VHL 4.664 DLA -11.72 RAL 173.32 RAD 6567.9 VEL 11.964 PTH 2.13 VMP 6.109 DPA 4.00 RAP 141.12 ECC 1.3580
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 7 13 1861.98 -9.75 20.27 34.57 116.72 10 38 15 1262.0 -6.09 13.51
 90.00 19 4 32 5251.10 26.76 236.86 40.01 80.37 20 32 3 4651.1 25.15 228.56
 100.00 11 22 37 1618.73 -10.86 1.80 33.98 118.02 11 49 35 1018.7 -7.03 355.11
 100.00 20 31 49 4969.59 27.99 215.90 39.76 79.05 21 54 39 4369.6 26.19 207.56
 110.00 12 17 25 1447.11 -13.77 347.07 32.27 121.60 12 41 32 847.1 -9.50 340.59
 110.00 21 53 30 4713.97 31.26 195.64 38.91 75.42 23 12 4 4114.0 28.95 187.20

DIFFERENTIAL CORRECTIONS

TDE-2.6115 TRA 4.2055 TC3-2.5724 BAU .7514
 RDE .0093 RRA .5545 RC3 -.2415 FAU .03336
 FDE-2.5642 FRA 3.8372 FC3-1.3276 BSP 21450
 BDE 2.6116 BRA 4.2419 BC3 2.5837 FSP -1782

MID-COURSE EXECUTION ACCURACY

SGT 6625.1 SGR 731.4 SG3 508.5
 RRT .8616 RRF .8347 RTF .9870
 SGB 6665.3 R23 -.0362 R13 .9868
 SG1 6655.1 SG2 369.5 TMA 5.45

ORBIT DETERMINATION ACCURACY

ST 3578.2 SR 209.1 SS 1829.3
 CRT .3933 CRS -.3667 CST -.9996
 LSA 4019.2 MSA 198.3 SSA 13.6
 EL1 3579.2 EL2 192.2 ALF 1.32

LAUNCH DATE APR 27 1967

FLIGHT TIME 216.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 591.310

RL 150.56 LAL .00 LOL 216.06 VL 27.138 GAL 8.99 AZL 92.43 MCA 265.92 SMA 129.30 ECC .22542 INC 2.4322 V1 29.593
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.987 GAP 8.73 AZP 89.83 TAL 145.11 TAP 51.02 RCA 100.15 APO 158.44 V2 35.256
 RC 124.755 GL -13.57 GP -13.05 ZAL 38.69 ZAP 155.17 ETS 331.30 ZAE 122.04 ETE 188.81 ZAC 123.82 ETC 9.88 CLP-158.68

PLANETOCENTRIC CONIC

C3 23.509 VHL 4.849 DLA -12.22 RAL 174.03 RAD 6568.0 VEL 12.037 PTH 2.15 VMP 6.391 DPA 4.27 RAP 142.67 ECC 1.3869
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 14 14 1864.13 -9.81 20.39 36.46 116.69 10 45 18 1264.1 -6.15 13.63
 90.00 19 3 12 5286.68 27.14 239.39 42.36 81.58 20 31 18 4686.7 25.69 231.02
 100.00 11 29 19 1621.86 -10.96 1.98 35.85 117.98 11 56 21 1021.9 -7.13 355.28
 100.00 20 30 47 5004.19 28.41 218.39 42.13 80.29 21 54 11 4404.2 26.78 209.97
 110.00 12 23 27 1452.32 -13.96 347.36 34.10 121.52 12 47 40 852.3 -9.69 340.87
 110.00 21 53 8 4746.49 31.80 198.02 41.34 76.74 23 12 15 4146.5 29.65 188.47

DIFFERENTIAL CORRECTIONS

TDE-2.7650 TRA 4.4513 TC3-2.3929 BAU .7549
 RDE .0411 RRA .5336 RC3 -.2060 FAU .02918
 FDE-2.4747 FRA 3.7215 FC3-1.0746 BSP 21688
 BDE 2.7654 BRA 4.4832 BC3 2.4018 FSP -1649

MID-COURSE EXECUTION ACCURACY

SGT 6710.2 SGR 677.1 SG3 472.3
 RRT .8313 RRF .8021 RTF .9866
 SGB 6744.3 R23 -.0371 R13 .9864
 SG1 6733.9 SG2 375.0 TMA 4.81

ORBIT DETERMINATION ACCURACY

ST 3645.3 SR 199.6 SS 1778.6
 CRT .2121 CRS -.1858 CST -.9996
 LSA 4056.0 MSA 200.0 SSA 13.5
 EL1 3645.5 EL2 195.1 ALF .67

LAUNCH DATE APR 27 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 597.082

RL 150.56 LAL .00 LOL 216.06 VL 27.118 GAL 9.42 AZL 92.56 MCA 269.16 SMA 129.16 ECC .23131 INC 2.5569 V1 29.593
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.974 GAP 9.29 AZP 89.96 TAL 144.40 TAP 53.56 RCA 99.28 APO 159.03 V2 35.258
 RC 126.964 GL -13.68 GP -12.40 ZAL 37.94 ZAP 156.95 ETS 330.16 ZAE 121.40 ETE 188.29 ZAC 122.26 ETC 10.40 CLP-160.41

PLANETOCENTRIC CONIC

C3 25.475 VHL 5.047 DLA -12.66 RAL 174.76 RAD 6568.0 VEL 12.118 PTH 2.17 VMP 6.690 DPA 4.44 RAP 144.28 ECC 1.4193
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 20 52 1869.01 -9.96 20.68 38.42 116.64 10 52 1 1269.0 -6.31 13.90
 90.00 19 2 23 5321.26 27.46 241.87 44.78 82.79 20 31 4 4721.3 26.17 233.44
 100.00 11 35 41 1627.62 -11.15 2.31 37.80 117.92 12 2 48 1027.6 -7.32 355.60
 100.00 20 30 15 5037.88 28.77 220.83 44.58 81.53 21 54 13 4437.9 27.30 212.33
 110.00 12 29 13 1459.95 -14.23 347.79 36.00 121.41 12 53 33 860.0 -9.97 341.28
 110.00 21 53 12 4778.31 32.27 200.38 43.85 78.06 23 12 51 4178.3 30.29 191.73

DIFFERENTIAL CORRECTIONS

TDE-2.9263 TRA 4.7068 TC3-2.2192 BAU .7582
 RDE .0718 RRA .5139 RC3 -.1761 FAU .02551
 FDE-2.3941 FRA 3.6133 FC3 -.8670 BSP 21998
 BDE 2.9272 BRA 4.7348 BC3 2.2261 FSP -1536

MID-COURSE EXECUTION ACCURACY

SGT 6785.4 SGR 629.0 SG3 439.1
 RRT .7969 RRF .7656 RTF .9863
 SGB 6814.5 R23 -.0378 R13 .9862
 SG1 6803.9 SG2 379.0 TMA 4.24

ORBIT DETERMINATION ACCURACY

ST 3706.6 SR 197.1 SS 1731.7
 CRT .0331 CRS -.0080 CST -.9996
 LSA 4091.0 MSA 200.9 SSA 13.5
 EL1 3706.6 EL2 197.0 ALF .10

LAUNCH DATE APR 27 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 602.792

RL 150.56 LAL .00 LOL 216.06 VL 27.097 GAL 9.88 AZL 92.68 MCA 272.41 SMA 129.02 ECC .23768 INC 2.6814 V1 29.593
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.960 GAP 9.88 AZP 90.11 TAL 143.68 TAP 56.09 RCA 98.35 APO 159.68 V2 35.259
 RC 129.165 GL -13.73 GP -11.82 ZAL 37.18 ZAP 158.63 ETS 328.84 ZAE 120.80 ETE 187.83 ZAC 120.63 ETC 10.84 CLP-162.07

PLANETOCENTRIC CONIC

C3 27.681 VHL 5.261 DLA -13.04 RAL 175.51 RAD 6568.1 VEL 12.209 PTH 2.19 VMP 7.006 DPA 4.51 RAP 145.95 ECC 1.4556
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 27 7 1876.50 -10.19 21.11 40.45 116.56 10 58 24 1276.5 -6.54 14.33
 90.00 19 2 3 5354.95 27.72 244.30 47.27 83.98 20 31 18 4754.9 26.60 235.82
 100.00 11 41 42 1635.97 -11.41 2.78 39.82 117.82 12 8 57 1035.9 -7.60 356.07
 100.00 20 30 10 5070.77 29.08 223.22 47.09 82.76 21 54 41 4470.8 27.77 214.66
 110.00 12 34 42 1469.91 -14.58 348.34 37.97 121.26 12 59 12 869.9 -10.34 341.81
 110.00 21 53 39 4809.54 32.69 202.73 46.43 79.39 23 13 49 4209.5 30.88 193.97

DIFFERENTIAL CORRECTIONS

TDE-3.0917 TRA 4.9780 TC3-2.0451 BAU .7588
 RDE .1023 RRA .4953 RC3 -.1500 FAU .02209
 FDE-2.3170 FRA 3.5167 FC3 -.6908 BSP 22275
 BDE 3.0934 BRA 5.0025 BC3 2.0506 FSP -1431

MID-COURSE EXECUTION ACCURACY

SGT 6850.7 SGR 586.4 SG3 408.5
 RRT .7580 RRF .7250 RTF .9861
 SGB 6875.7 R23 -.0379 R13 .9859
 SG1 6865.1 SG2 381.6 TMA 3.72

ORBIT DETERMINATION ACCURACY

ST 3758.6 SR 200.1 SS 1685.9
 CRT -.1299 CRS .1530 CST -.9997
 LSA 4119.4 MSA 201.5 SSA 13.2
 EL1 3758.7 EL2 198.4 ALF 179.60

LAUNCH DATE APR 28 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 7 1967

HELIOCENTRIC CONIC

DISTANCE 126.817

RL 150.60 LAL .00 LOL 217.03 VL 14.931 GAL 29.21 AZL 89.37 MCA 33.50 SMA 86.21 ECC .81442 INC .6278 V1 29.586
 RP 108.57 LAP .35 LOP 250.53 VP 30.088 GAP -53.07 AZP 89.48 TAL 172.40 TAP 205.90 RCA 16.00 APO 156.41 V2 34.905
 RC 86.259 GL .46 GP 2.38 ZAL 67.57 ZAP 34.88 ETS 186.40 ZAE 136.57 ETE 176.38 ZAC 154.19 ETC 43.59 CLP 34.81

PLANETOCENTRIC CONIC

C3 320.629 VHL 17.906 DLA 12.09 RAL 151.74 RAD 6571.8 VEL 21.022 PTH 3.19 VHP 29.572 DPA 26.58 RAP 106.97 ECC 6.2767
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 33 25 3181.35 -26.34 109.43 61.59 79.20 6 26 26 2581.4 -27.56 100.98
 90.00 20 38 19 5055.64 23.81 223.32 50.15 74.20 22 2 35 4455.6 21.42 215.46
 100.00 7 0 56 2899.12 -28.04 89.04 61.96 79.20 7 49 15 2299.1 -29.25 80.44
 100.00 21 53 29 4813.11 25.48 204.96 49.62 73.82 23 13 42 4213.1 23.02 197.02
 110.00 8 23 6 2641.97 -32.61 70.53 62.97 79.13 9 7 8 2042.0 -33.76 61.48
 110.00 22 47 48 4643.01 29.94 190.54 48.11 72.67 24 5 11 4043.0 27.27 182.36

DIFFERENTIAL CORRECTIONS

TDE .7825 TRA-2.0545 TC3 -.1055 BAU .4528
 RDE-1.2916 RRA -.6250 RC3 .0046 FAU .01178
 FDE -.3051 FRA .6996 FC3 -.0318 BSP 1900
 BDE 1.5101 BRA 2.1474 BC3 .1056 FSP -47

MID-COURSE EXECUTION ACCURACY

SGT 810.9 SGR 461.4 SG3 23.6
 RRT .0741 RRF -.0662 RTF -.6097
 SGB 933.0 R23 .0003 R13 -.6101
 SG1 811.9 SG2 459.5 THA 3.56

ORBIT DETERMINATION ACCURACY

ST 321.7 SR 417.8 SS 305.1
 CRT -.6778 CRS -.7242 CST .9958
 LSA 561.7 MSA 235.5 SSA 14.1
 EL1 486.6 EL2 203.1 ALF 124.35

LAUNCH DATE APR 28 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 9 1967

HELIOCENTRIC CONIC

DISTANCE 132.190

RL 150.60 LAL .00 LOL 217.03 VL 15.744 GAL 27.84 AZL 89.73 MCA 36.68 SMA 87.63 ECC .78867 INC .2653 V1 29.586
 RP 108.60 LAP .16 LOP 253.71 VP 30.487 GAP -50.71 AZP 89.79 TAL 171.53 TAP 208.21 RCA 18.52 APO 156.73 V2 34.894
 RC 83.901 GL .22 GP 2.44 ZAL 66.22 ZAP 33.37 ETS 186.64 ZAE 136.63 ETE 175.88 ZAC 152.87 ETC 41.44 CLP 33.29

PLANETOCENTRIC CONIC

C3 292.880 VHL 17.114 DLA 11.39 RAL 152.94 RAD 6571.7 VEL 20.352 PTH 3.16 VHP 28.494 DPA 26.52 RAP 108.82 ECC 5.8201
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 44 2 3147.24 -26.75 107.02 61.70 80.34 6 36 30 2547.2 -27.81 98.51
 90.00 20 37 15 5068.42 24.04 224.18 50.80 74.58 22 1 43 4468.4 21.70 216.29
 100.00 7 11 8 2866.37 -28.44 86.69 62.02 80.38 7 58 54 2266.4 -29.47 78.04
 100.00 21 52 50 4824.52 25.70 205.74 50.29 74.18 23 13 15 4224.5 23.28 197.77
 110.00 8 32 23 2612.12 -32.97 68.27 62.91 80.42 9 15 55 2012.1 -33.94 59.17
 110.00 22 48 5 4651.53 30.11 191.14 48.82 72.99 24 5 36 4051.5 27.48 182.93

DIFFERENTIAL CORRECTIONS

TDE .7919 TRA-2.0694 TC3 -.1127 BAU .4419
 RDE-1.2455 RRA -.6178 RC3 .0057 FAU .01184
 FDE -.3215 FRA .7250 FC3 -.0350 BSP 2023
 BDE 1.4759 BRA 2.1597 BC3 .1129 FSP -52

MID-COURSE EXECUTION ACCURACY

SGT 847.7 SGR 467.7 SG3 25.5
 RRT .0782 RRF -.0703 RTF -.6283
 SGB 968.2 R23 .0001 R13 -.6287
 SG1 848.8 SG2 465.7 THA 3.54

ORBIT DETERMINATION ACCURACY

ST 339.7 SR 421.8 SS 322.1
 CRT -.6780 CRS -.7282 CST .9956
 LSA 581.7 MSA 241.8 SSA 14.3
 EL1 498.7 EL2 211.2 ALF 126.08

LAUNCH DATE APR 28 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 11 1967

HELIOCENTRIC CONIC

DISTANCE 137.685

RL 150.60 LAL .00 LOL 217.03 VL 16.508 GAL 26.58 AZL 90.05 MCA 39.85 SMA 89.07 ECC .76277 INC .0420 V1 29.586
 RP 108.64 LAP -.03 LOP 256.88 VP 30.876 GAP -48.48 AZP 90.04 TAL 170.66 TAP 210.51 RCA 21.13 APO 157.02 V2 34.883
 RC 81.561 GL -.04 GP 2.50 ZAL 64.93 ZAP 31.88 ETS 186.91 ZAE 136.75 ETE 175.34 ZAC 151.50 ETC 39.46 CLP 31.80

PLANETOCENTRIC CONIC

C3 267.665 VHL 16.360 DLA 10.69 RAL 154.08 RAD 6571.6 VEL 19.722 PTH 3.12 VHP 27.453 DPA 26.44 RAP 110.70 ECC 5.4051
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 54 22 3112.65 -27.12 104.56 61.68 81.52 6 46 14 2512.6 -28.01 96.00
 90.00 20 36 0 5080.44 24.26 224.99 51.35 74.93 22 0 40 4480.4 21.96 217.08
 100.00 7 21 2 2833.10 -28.79 84.28 61.96 81.60 8 8 15 2233.1 -29.66 75.58
 100.00 21 52 0 4835.22 25.89 206.47 50.86 74.52 23 36 4233.2 23.52 198.48
 110.00 8 41 23 2581.69 -33.29 65.95 62.73 81.76 9 24 25 1981.7 -34.07 56.80
 110.00 22 48 9 4659.39 30.26 191.70 49.43 73.29 24 5 49 4059.4 27.68 183.46

DIFFERENTIAL CORRECTIONS

TDE .8013 TRA-2.0843 TC3 -.1200 BAU .4301
 RDE-1.1996 RRA -.6094 RC3 .0070 FAU .01191
 FDE -.3382 FRA .7505 FC3 -.0385 BSP 2162
 BDE 1.4426 BRA 2.1716 BC3 .1202 FSP -57

MID-COURSE EXECUTION ACCURACY

SGT 885.8 SGR 473.5 SG3 27.5
 RRT .0821 RRF -.0744 RTF -.6465
 SGB 1004.4 R23 -.0003 R13 -.6468
 SG1 887.0 SG2 471.3 THA 3.50

ORBIT DETERMINATION ACCURACY

ST 358.5 SR 425.1 SS 339.5
 CRT -.6782 CRS -.7319 CST .9954
 LSA 602.5 MSA 247.7 SSA 14.5
 EL1 511.2 EL2 219.1 ALF 127.92

LAUNCH DATE APR 28 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 13 1967

HELIOCENTRIC CONIC

DISTANCE 143.293

RL 150.60 LAL .00 LOL 217.03 VL 17.225 GAL 25.40 AZL 90.32 MCA 43.02 SMA 90.54 ECC .73688 INC .3181 V1 29.586
 RP 108.67 LAP -.22 LOP 260.05 VP 31.254 GAP -46.37 AZP 90.23 TAL 169.80 TAP 212.83 RCA 23.82 APO 157.27 V2 34.872
 RC 79.241 GL -.32 GP 2.57 ZAL 63.68 ZAP 30.42 ETS 187.21 ZAE 136.95 ETE 174.77 ZAC 150.08 ETC 37.65 CLP 30.32

PLANETOCENTRIC CONIC

C3 244.722 VHL 15.644 DLA 9.98 RAL 155.16 RAD 6571.4 VEL 19.132 PTH 3.09 VHP 26.448 DPA 26.34 RAP 112.60 ECC 5.0275
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 4 24 3077.55 -27.45 102.04 61.53 82.74 6 55 41 2477.5 -28.17 93.45
 90.00 20 34 35 5091.71 24.46 225.76 51.81 75.27 21 59 27 4491.7 22.20 217.82
 100.00 7 30 40 2799.29 -29.10 81.81 61.77 82.86 8 17 20 2199.3 -29.79 73.07
 100.00 21 50 59 4845.20 26.07 207.16 51.33 74.83 23 11 45 4245.2 23.74 199.14
 110.00 8 50 8 2550.65 -33.57 63.57 62.41 83.14 9 32 38 1950.7 -34.15 54.38
 110.00 22 48 1 4666.60 30.40 192.22 49.94 73.56 24 5 48 4066.6 27.85 183.95

DIFFERENTIAL CORRECTIONS

TDE .8104 TRA-2.0990 TC3 -.1274 BAU .4177
 RDE-1.1540 RRA -.6000 RC3 .0085 FAU .01200
 FDE -.3553 FRA .7765 FC3 -.0425 BSP 2312
 BDE 1.4101 BRA 2.1831 BC3 .1277 FSP -63

MID-COURSE EXECUTION ACCURACY

SGT 925.4 SGR 478.7 SG3 29.7
 RRT .0862 RRF -.0787 RTF -.6641
 SGB 1041.8 R23 -.0009 R13 -.6644
 SG1 926.6 SG2 476.2 THA 3.47

ORBIT DETERMINATION ACCURACY

ST 378.3 SR 427.9 SS 357.3
 CRT -.6782 CRS -.7352 CST .9951
 LSA 624.2 MSA 253.2 SSA 14.7
 EL1 524.1 EL2 227.0 ALF 129.83

LAUNCH DATE APR 28 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 15 1967

HELIOCENTRIC CONIC

DISTANCE 149.009

RL 150.60 LAL .00 LOL 217.03 VL 17.900 GAL 24.29 AZL 90.56 MCA 46.19 SMA 92.03 ECC .71114 INC .5603 V1 29.586
 RP 108.70 LAP -.40 LOP 263.22 VP 31.619 GAP -44.37 AZP 90.39 TAL 168.95 TAP 215.14 RCA 26.58 APO 157.48 V2 34.862
 RC 76.944 GL -.61 GP 2.65 ZAL 62.49 ZAP 28.98 ETS 187.55 ZAE 137.23 ETE 174.14 ZAC 148.61 ETC 35.99 CLP 28.87

PLANETOCENTRIC CONIC

C3 223.826 VML 14.961 DLA 9.28 RAL 156.18 RAD 6571.3 VEL 18.578 PTH 3.05 VHP 25.477 DPA 26.22 RAP 114.52 ECC 4.6836
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 14 10 3041.88 -27.73 99.47 61.26 84.00 7 4 51 2441.9 -28.27 90.84
 90.00 20 32 59 5102.25 24.64 226.48 52.17 75.58 21 58 1 4502.3 22.42 218.51
 100.00 7 40 3 2764.88 -29.37 79.29 61.45 84.16 8 26 8 2164.9 -29.87 70.52
 100.00 21 49 47 4854.48 26.24 207.80 51.71 75.13 23 10 41 4254.5 23.94 199.76
 110.00 8 58 38 2518.97 -33.80 61.13 61.96 84.57 9 40 37 1919.0 -34.18 51.91
 110.00 22 47 41 4673.16 30.53 192.69 50.35 73.81 24 5 34 4073.2 28.01 184.40

DIFFERENTIAL CORRECTIONS

TOE .8113 TRA-2.1215 TC3 -.1363 BAU .4089
 RDE-1.1088 RRA -.5897 RGS .0101 FAU .01207
 FDE -.3718 FRA .8037 FC3 -.0467 BSP 2278
 BOE 1.3739 BRA 2.2020 BC3 .1367 FSP -67

MID-COURSE EXECUTION ACCURACY

SGT 989.8 SGR 483.3 SG3 32.0
 RRT .0941 RRF -.0845 RTF -.6798
 SGB 1083.6 R23 .0003 R13 -.6801
 SG1 971.3 SG2 480.5 THA 3.56

ORBIT DETERMINATION ACCURACY

ST 397.1 SR 430.2 SS 375.2
 CRT -.6732 CRS -.7371 CST .9944
 LSA 645.0 MSA 259.4 SSA 15.0
 EL1 535.9 EL2 235.7 ALF 131.61

LAUNCH DATE APR 28 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 17 1967

HELIOCENTRIC CONIC

DISTANCE 154.826

RL 150.60 LAL .00 LOL 217.03 VL 18.533 GAL 23.25 AZL 90.78 MCA 49.36 SMA 93.53 ECC .68567 INC .7779 V1 29.586
 RP 108.73 LAP -.59 LOP 266.39 VP 31.972 GAP -42.46 AZP 90.51 TAL 168.10 TAP 217.47 RCA 29.40 APO 157.66 V2 34.853
 RC 74.673 GL -.93 GP 2.73 ZAL 61.34 ZAP 27.57 ETS 187.94 ZAE 137.58 ETE 173.46 ZAC 147.10 ETC 34.47 CLP 27.44

PLANETOCENTRIC CONIC

C3 204.781 VML 14.310 DLA 8.56 RAL 157.15 RAD 6571.1 VEL 18.058 PTH 3.01 VHP 24.537 DPA 26.08 RAP 116.46 ECC 4.3702
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 23 40 3005.61 -27.96 96.84 60.86 85.30 7 13 45 2405.6 -28.31 88.19
 90.00 20 31 11 5112.10 24.80 227.15 52.43 75.88 21 56 23 4512.1 22.62 219.16
 100.00 7 49 10 2729.84 -29.58 76.71 61.01 85.51 8 34 40 2129.8 -29.89 67.91
 100.00 21 48 22 4863.09 26.38 208.40 51.98 75.41 23 9 25 4263.1 24.12 200.33
 110.00 9 6 53 2486.61 -33.98 58.62 61.39 86.05 9 48 20 1886.6 -34.16 49.38
 110.00 22 47 8 4679.09 30.64 193.11 50.66 74.04 24 5 7 4079.1 28.15 184.80

DIFFERENTIAL CORRECTIONS

TOE .7974 TRA-2.1582 TC3 -.1483 BAU .4073
 RDE-1.0643 RRA -.5788 RC3 .0119 FAU .01206
 FDE -.3868 FRA .8333 FC3 -.0510 BSP 1909
 BOE 1.3299 BRA 2.2344 BC3 .1488 FSP -68

MID-COURSE EXECUTION ACCURACY

SGT 1022.6 SGR 487.5 SG3 34.5
 RRT .1089 RRF -.0927 RTF -.6922
 SGB 1132.9 R23 .0044 R13 -.6924
 SG1 1024.4 SG2 483.8 THA 3.83

ORBIT DETERMINATION ACCURACY

ST 413.3 SR 431.9 SS 392.4
 CRT -.6590 CRS -.7367 CST .9926
 LSA 663.0 MSA 267.4 SSA 15.4
 EL1 544.6 EL2 246.5 ALF 133.09

LAUNCH DATE APR 28 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 19 1967

HELIOCENTRIC CONIC

DISTANCE 160.731

RL 150.60 LAL .00 LOL 217.03 VL 19.129 GAL 22.26 AZL 90.98 MCA 52.53 SMA 95.03 ECC .66055 INC .9756 V1 29.586
 RP 108.76 LAP -.77 LOP 269.56 VP 32.311 GAP -40.65 AZP 90.59 TAL 167.27 TAP 219.80 RCA 32.26 APO 157.81 V2 34.844
 RC 72.433 GL -1.26 GP 2.81 ZAL 60.25 ZAP 26.17 ETS 188.38 ZAE 138.02 ETE 172.71 ZAC 145.55 ETC 33.07 CLP 26.03

PLANETOCENTRIC CONIC

C3 187.372 VML 13.688 DLA 7.85 RAL 158.05 RAD 6571.0 VEL 17.570 PTH 2.97 VHP 23.627 DPA 25.93 RAP 118.41 ECC 4.0837
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 32 53 2968.69 -28.13 94.15 60.33 86.64 7 22 22 2368.7 -28.30 85.49
 90.00 20 29 10 5121.19 24.95 227.78 52.59 76.16 21 54 32 4521.2 22.80 219.77
 100.00 7 58 1 2694.14 -29.74 74.06 60.43 86.89 8 42 55 2094.1 -29.86 65.26
 100.00 21 46 44 4870.98 26.52 208.94 52.16 75.67 23 7 55 4271.0 24.29 200.86
 110.00 9 14 53 2453.55 -34.11 56.05 60.68 87.56 9 55 47 1853.6 -34.07 46.80
 110.00 22 46 21 4684.33 30.74 193.49 50.87 74.25 24 4 25 4084.3 28.27 185.16

DIFFERENTIAL CORRECTIONS

TOE .8493 TRA-2.1276 TC3 -.1470 BAU .3700
 RDE-1.0185 RRA -.5656 RC3 .0143 FAU .01246
 FDE -.4110 FRA .8549 FC3 -.0576 BSP 3135
 BOE 1.3262 BRA 2.2015 BC3 .1477 FSP -87

MID-COURSE EXECUTION ACCURACY

SGT 1047.2 SGR 490.3 SG3 37.2
 RRT .0926 RRF -.0908 RTF -.7162
 SGB 1156.3 R23 -.0062 R13 -.7165
 SG1 1048.4 SG2 487.6 THA 3.17

ORBIT DETERMINATION ACCURACY

ST 446.4 SR 432.3 SS 415.2
 CRT -.6852 CRS -.7457 CST .9950
 LSA 698.6 MSA 265.0 SSA 15.2
 EL1 570.5 EL2 246.4 ALF 136.34

LAUNCH DATE APR 28 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 21 1967

HELIOCENTRIC CONIC

DISTANCE 166.729

RL 150.60 LAL .00 LOL 217.03 VL 19.690 GAL 21.32 AZL 91.16 MCA 55.70 SMA 96.54 ECC .63590 INC 1.1571 V1 29.586
 RP 108.79 LAP -.96 LOP 272.73 VP 32.637 GAP -38.92 AZP 90.65 TAL 166.45 TAP 222.15 RCA 35.15 APO 157.92 V2 34.835
 RC 70.227 GL -1.62 GP 2.91 ZAL 59.21 ZAP 24.79 ETS 188.89 ZAE 138.54 ETE 171.90 ZAC 143.96 ETC 31.79 CLP 24.63

PLANETOCENTRIC CONIC

C3 171.499 VML 13.096 DLA 7.13 RAL 158.90 RAD 6570.9 VEL 17.112 PTH 2.93 VHP 22.746 DPA 25.75 RAP 120.37 ECC 3.8224
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 41 53 2931.07 -28.25 91.41 59.68 88.01 7 30 44 2331.1 -28.23 82.74
 90.00 20 26 57 5129.70 25.09 228.36 52.66 76.42 21 52 27 4529.7 22.97 220.33
 100.00 8 6 38 2657.71 -29.85 71.36 59.74 88.31 8 50 56 2057.7 -29.76 62.56
 100.00 21 44 53 4878.29 26.64 209.45 52.23 75.91 23 6 12 4278.3 24.44 201.34
 110.00 9 22 41 2419.75 -34.17 53.41 59.85 89.12 10 3 0 1819.7 -33.92 44.17
 110.00 22 45 20 4689.02 30.82 193.83 50.97 74.43 24 3 29 4089.0 28.38 185.48

DIFFERENTIAL CORRECTIONS

TOE .8523 TRA-2.1452 TC3 -.1553 BAU .3581
 RDE -.9743 RRA -.5528 RC3 .0167 FAU .01259
 FDE -.4295 FRA .8833 FC3 -.0636 BSP 3205
 BOE 1.2945 BRA 2.2153 BC3 .1562 FSP -93

MID-COURSE EXECUTION ACCURACY

SGT 1095.0 SGR 493.0 SG3 40.0
 RRT .0996 RRF -.0969 RTF -.7306
 SGB 1200.9 R23 -.0059 R13 -.7310
 SG1 1096.4 SG2 489.9 THA 3.21

ORBIT DETERMINATION ACCURACY

ST 468.7 SR 432.5 SS 434.9
 CRT -.6818 CRS -.7474 CST .9944
 LSA 723.3 MSA 269.3 SSA 15.4
 EL1 585.3 EL2 253.4 ALF 138.37

LAUNCH DATE APR 28 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 23 1967

HELIOCENTRIC CONIC
 RL 150.60 LAL .00 LOL 217.03 VL 20.216 GAL 20.42 AZL 91.33 MCA 58.87 SMA 98.03 ECC .61177 INC 1.3253 V1 29.586
 RP 108.81 LAP -1.13 LOP 275.89 VP 32.949 GAP -37.26 AZP 90.69 TAL 165.65 TAP 224.52 RCA 38.06 APO 158.01 V2 34.827
 RC 68.060 GL -2.00 GP 3.01 ZAL 58.21 ZAP 23.43 ETS 189.47 ZAE 139.15 ETE 171.01 ZAC 142.35 ETC 30.60 CLP 23.25

PLANETOCENTRIC CONIC
 C3 157.001 VHL 12.530 DLA 6.40 RAL 159.69 RAD 6570.7 VEL 16.683 PTH 2.89 VHP 21.893 DPA 25.56 RAP 122.34 ECC 3.5838
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 50 39 2892.71 -28.31 88.60 58.92 89.42 7 38 52 2292.7 -28.09 79.94
 90.00 20 24 31 5137.61 25.22 228.91 52.62 76.67 21 50 8 4537.6 23.13 220.86
 100.00 8 15 2 2620.54 -29.89 68.60 58.93 89.76 8 58 43 2020.5 -29.60 59.80
 100.00 21 42 49 4885.01 26.75 209.92 52.21 76.14 23 4 14 4285.0 24.58 201.80
 110.00 9 30 15 2385.17 -34.18 50.71 58.91 90.72 10 10 0 1785.2 -33.70 41.50
 110.00 22 44 5 4693.14 30.90 194.13 50.97 74.59 24 2 19 4093.1 28.47 185.76

DIFFERENTIAL CORRECTIONS
 TDE .8539 TRA-2.1628 TC3 -.1638 BAU .3463
 ROE -.9306 RRA -.5394 RC3 .0195 FAU .01274
 FDE -.4484 FRA .9123 FC3 -.0703 BSP 3257
 BDE 1.2630 BRA 2.2290 BC3 .1650 FSP -101

MID-COURSE EXECUTION ACCURACY
 SGT 1145.1 SGR 495.1 SG3 43.1
 RRT .1072 RRF -.1034 RTF -.7442
 SGB 1247.6 R23 -.0056 R13 -.7446
 SGI 1146.6 SG2 491.6 TMA 3.25

ORBIT DETERMINATION ACCURACY
 ST 491.7 SR 432.0 SS 455.3
 CRT -.6777 CRS -.7489 CST .9937
 LSA 748.8 MSA 273.2 SSA 15.6
 EL1 600.6 EL2 260.1 ALF 140.42

LAUNCH DATE APR 28 1967

FLIGHT TIME 88.00

ARRIVAL DATE JUL 25 1967

HELIOCENTRIC CONIC
 RL 150.60 LAL .00 LOL 217.03 VL 20.711 GAL 19.56 AZL 91.48 MCA 62.03 SMA 99.52 ECC .58822 INC 1.4826 V1 29.586
 RP 108.83 LAP -1.31 LOP 279.06 VP 33.248 GAP -35.68 AZP 90.70 TAL 164.86 TAP 226.90 RCA 40.98 APO 158.07 V2 34.820
 RC 65.936 GL -2.41 GP 3.12 ZAL 57.27 ZAP 22.09 ETS 190.16 ZAE 139.86 ETE 170.04 ZAC 140.70 ETC 29.51 CLP 21.88

PLANETOCENTRIC CONIC
 C3 143.752 VHL 11.990 DLA 5.66 RAL 160.43 RAD 6570.6 VEL 16.281 PTH 2.85 VHP 21.066 DPA 25.35 RAP 124.32 ECC 3.3658
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 59 12 2853.57 -28.31 85.74 58.03 90.85 7 46 46 2253.6 -27.89 77.10
 90.00 20 21 49 5144.97 25.33 229.42 52.49 76.90 21 47 34 4545.0 23.28 221.35
 100.00 8 23 13 2582.57 -29.87 65.78 58.00 91.25 9 6 16 1982.6 -29.38 57.01
 100.00 21 40 29 4891.20 26.85 210.36 52.08 76.34 23 2 0 4291.2 24.71 202.21
 110.00 9 37 36 2349.80 -34.11 47.95 57.84 92.36 10 16 46 1749.8 -33.41 38.77
 110.00 22 42 36 4696.74 30.96 194.39 50.87 74.73 24 0 52 4096.7 28.56 186.01

DIFFERENTIAL CORRECTIONS
 TDE .8621 TRA-2.1723 TC3 -.1705 BAU .3305
 ROE -.8872 RRA -.5254 RC3 .0227 FAU .01296
 FDE -.4690 FRA .9411 FC3 -.0781 BSP 3483
 BDE 1.2371 BRA 2.2350 BC3 .1720 FSP -110

MID-COURSE EXECUTION ACCURACY
 SGT 1193.8 SGR 496.3 SG3 46.5
 RRT .1119 RRF -.1092 RTF -.7587
 SGB 1292.8 R23 -.0070 R13 -.7590
 SGI 1195.3 SG2 492.6 TMA 3.21

ORBIT DETERMINATION ACCURACY
 ST 517.5 SR 430.7 SS 476.9
 CRT -.6775 CRS -.7511 CST .9934
 LSA 777.5 MSA 275.3 SSA 15.8
 ELJ 619.0 EL2 264.8 ALF 142.63

LAUNCH DATE APR 28 1967

FLIGHT TIME 90.00

ARRIVAL DATE JUL 27 1967

HELIOCENTRIC CONIC
 RL 150.60 LAL .00 LOL 217.03 VL 21.176 GAL 18.75 AZL 91.63 MCA 65.20 SMA 101.00 ECC .56531 INC 1.6308 V1 29.586
 RP 108.85 LAP -1.48 LOP 282.22 VP 33.533 GAP -34.17 AZP 90.68 TAL 164.10 TAP 229.30 RCA 43.90 APO 158.10 V2 34.813
 RC 63.861 GL -2.85 GP 3.25 ZAL 56.38 ZAP 20.77 ETS 190.96 ZAE 140.65 ETE 168.96 ZAC 139.03 ETC 28.50 CLP 20.52

PLANETOCENTRIC CONIC
 C3 131.647 VHL 11.474 DLA 4.92 RAL 161.11 RAD 6570.4 VEL 15.905 PTH 2.81 VHP 20.264 DPA 25.13 RAP 126.31 ECC 3.1666
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 7 33 2813.62 -28.23 82.82 57.04 92.31 7 54 27 2213.6 -27.61 74.21
 90.00 20 18 52 5151.87 25.44 229.90 52.25 77.12 21 44 44 4551.9 23.41 221.81
 100.00 8 31 12 2543.79 -29.78 62.90 56.96 92.76 9 13 36 1943.8 -29.08 54.16
 100.00 21 37 54 4896.93 26.94 210.76 51.86 76.54 22 59 31 4296.9 24.82 202.60
 110.00 9 44 45 2313.60 -33.97 45.13 56.67 94.02 10 23 19 1713.6 -33.05 36.01
 110.00 22 40 50 4699.88 31.02 194.61 50.67 74.86 23 59 10 4099.9 28.63 186.23

DIFFERENTIAL CORRECTIONS
 TDE .8662 TRA-2.1844 TC3 -.1778 BAU .3163
 ROE -.8443 RRA -.5110 RC3 .0262 FAU .01318
 FDE -.4900 FRA .9712 FC3 -.0867 BSP 3628
 BDE 1.2096 BRA 2.2434 BC3 .1797 FSP -120

MID-COURSE EXECUTION ACCURACY
 SGT 1245.9 SGR 497.0 SG3 50.1
 RRT .1186 RRF -.1161 RTF -.7717
 SGB 1341.3 R23 -.0076 R13 -.7721
 SGI 1247.5 SG2 492.8 TMA 3.21

ORBIT DETERMINATION ACCURACY
 ST 543.3 SR 428.6 SS 499.0
 CRT -.6750 CRS -.7526 CST .9929
 LSA 806.4 MSA 277.8 SSA 15.9
 EL1 637.3 EL2 269.5 ALF 144.76

LAUNCH DATE APR 28 1967

FLIGHT TIME 92.00

ARRIVAL DATE JUL 29 1967

HELIOCENTRIC CONIC
 RL 150.60 LAL .00 LOL 217.03 VL 21.614 GAL 17.96 AZL 91.77 MCA 68.36 SMA 102.46 ECC .54306 INC 1.7716 V1 29.586
 RP 108.87 LAP -1.65 LOP 285.38 VP 33.804 GAP -32.72 AZP 90.65 TAL 163.36 TAP 231.72 RCA 46.82 APO 158.10 V2 34.807
 RC 61.839 GL -3.32 GP 3.38 ZAL 55.54 ZAP 19.46 ETS 191.90 ZAE 141.54 ETE 167.76 ZAC 137.34 ETC 27.57 CLP 19.17

PLANETOCENTRIC CONIC
 C3 120.586 VHL 10.981 DLA 4.16 RAL 161.72 RAD 6570.3 VEL 15.554 PTH 2.77 VHP 19.487 DPA 24.89 RAP 128.30 ECC 2.9845
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 15 42 2772.81 -28.08 79.84 55.93 93.80 8 1 55 2172.8 -27.26 71.27
 90.00 20 15 38 5158.39 25.53 230.35 51.92 77.32 21 41 37 4558.4 23.53 222.25
 100.00 8 39 0 2504.15 -29.61 59.96 55.81 94.29 9 20 44 1904.2 -28.70 51.28
 100.00 21 35 2 4902.28 27.03 211.13 51.54 76.72 22 56 44 4302.3 24.93 202.96
 110.00 9 51 43 2276.56 -33.76 42.26 55.38 95.70 10 29 40 1676.6 -32.60 33.21
 110.00 22 38 48 4702.63 31.07 194.81 50.37 74.97 23 57 11 4102.6 28.69 186.42

DIFFERENTIAL CORRECTIONS
 TDE .8728 TRA-2.1923 TC3 -.1839 BAU .3005
 ROE -.8020 RRA -.4962 RC3 .0302 FAU .01344
 FDE -.5123 FRA 1.0017 FC3 -.0965 BSP 3845
 BDE 1.1853 BRA 2.2477 BC3 .1864 FSP -131

MID-COURSE EXECUTION ACCURACY
 SGT 1298.4 SGR 496.9 SG3 54.0
 RRT .1245 RRF -.1231 RTF -.7848
 SGB 1390.2 R23 -.0090 R13 -.7851
 SGI 1300.1 SG2 492.3 TMA 3.19

ORBIT DETERMINATION ACCURACY
 ST 570.9 SR 425.6 SS 522.2
 CRT -.6740 CRS -.7544 CST .9925
 LSA 837.6 MSA 279.0 SSA 16.1
 EL1 657.7 EL2 272.9 ALF 146.92

LAUNCH DATE APR 28 1967

FLIGHT TIME 94.00

ARRIVAL DATE JUL 31 1967

HELIOCENTRIC CONIC

DISTANCE 197.838

RL 150.60 LAL .00 LOL 217.03 VL 22.025 GAL 17.21 AZL 91.91 HCA 71.52 SMA 103.90 ECC .52151 INC 1.9063 V1 29.586
 RP 108.89 LAP -1.81 LOP 288.54 VP 34.063 GAP -31.32 AZP 90.60 TAL 162.64 TAP 234.16 RCA 49.71 APO 158.08 V2 34.802
 RC 59.876 GL -3.82 GP 3.53 ZAL 54.76 ZAP 18.17 ETS 193.01 ZAE 142.53 ETE 166.42 ZAC 135.62 ETC 26.71 CLP 17.84

PLANETOCENTRIC CONIC

C3 110.481 VML 10.511 DLA 3.39 RAL 162.28 RAD 6570.1 VEL 15.226 PTH 2.73 VHP 18.734 DPA 24.64 RAP 130.29 ECC 2.8182
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 23 41 2731.13 -27.86 76.81 54.73 95.30 8 9 12 2131.1 -26.83 68.30
 90.00 20 12 7 5164.61 25.63 230.78 51.50 77.52 21 38 11 4564.6 23.65 222.67
 100.00 8 46 37 2463.64 -29.37 56.97 54.56 95.85 9 27 40 1863.6 -28.25 48.35
 100.00 21 31 52 4907.33 27.11 211.49 51.12 76.89 22 53 39 4307.3 25.03 203.30
 110.00 9 58 30 2238.67 -33.47 39.34 54.01 97.41 10 35 48 1638.7 -32.08 30.38
 110.00 22 36 29 4705.07 31.11 194.99 49.98 75.06 23 54 54 4105.1 28.75 186.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8763 TRA-2.2013 TC3 -.1904 BAU .2858 SGT 1354.0 SGR 496.1 SG3 58.3 ST 598.6 SR 421.8 SS 546.1
 RDE -.7602 RRA -.4812 RC3 .0347 FAU .01371 RRT .1321 RRF -.1311 RTF -.7967 CRT -.6714 CRS -.7556 CST .9919
 FDE -.5352 FRA 1.0335 FC3 -.1075 BSP 4005 SGB 1442.0 R23 -.0100 R13 -.7970 LSA 869.4 MSA 280.1 SSA 16.2
 BDE 1.1601 BRA 2.2533 BC3 .1935 FSP -142 SGI 1355.8 SG2 491.1 TMA 3.19 EL1 678.4 EL2 275.9 ALF 149.01

LAUNCH DATE APR 28 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 2 1967

HELIOCENTRIC CONIC

DISTANCE 204.246

RL 150.60 LAL .00 LOL 217.03 VL 22.410 GAL 16.50 AZL 92.04 HCA 74.68 SMA 105.31 ECC .50068 INC 2.0361 V1 29.586
 RP 108.90 LAP -1.96 LOP 291.71 VP 34.309 GAP -29.99 AZP 90.54 TAL 161.95 TAP 236.63 RCA 52.58 APO 158.04 V2 34.797
 RC 57.979 GL -4.35 GP 3.68 ZAL 54.03 ZAP 16.90 ETS 194.35 ZAE 143.61 ETE 164.92 ZAC 133.89 ETC 25.91 CLP 16.50

PLANETOCENTRIC CONIC

C3 101.250 VML 10.062 DLA 2.61 RAL 162.78 RAD 6570.0 VEL 14.919 PTH 2.69 VHP 18.004 DPA 24.38 RAP 132.29 ECC 2.6663
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 31 30 2688.53 -27.55 73.73 53.43 96.82 8 16 19 2088.5 -26.32 65.28
 90.00 20 8 16 5170.66 25.71 231.20 50.98 77.71 21 34 27 4570.7 23.76 223.07
 100.00 8 54 4 2422.23 -29.04 53.94 53.22 97.41 9 34 26 1822.2 -27.71 45.39
 100.00 21 28 23 4912.19 27.18 211.83 50.61 77.05 22 50 16 4312.2 25.13 203.63
 110.00 10 5 6 2199.89 -33.09 36.37 52.54 99.12 10 41 46 1599.9 -31.47 27.52
 110.00 22 33 51 4707.29 31.15 195.15 49.49 75.15 23 52 18 4107.3 28.80 186.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8817 TRA-2.2066 TC3 -.1954 BAU .2699 SGT 1410.2 SGR 494.6 SG3 62.8 ST 628.2 SR 417.1 SS 571.3
 RDE -.7190 RRA -.4662 RC3 .0397 FAU .01403 RRT .1394 RRF -.1396 RTF -.8084 CRT -.6698 CRS -.7569 CST .9915
 FDE -.5597 FRA 1.0660 FC3 -.1200 BSP 4223 SGB 1494.4 R23 -.0116 R13 -.8088 LSA 903.4 MSA 280.1 SSA 16.3
 BDE 1.1378 BRA 2.2553 BC3 .1994 FSP -155 SGI 1412.1 SG2 489.1 TMA 3.18 EL1 701.1 EL2 277.5 ALF 151.07

LAUNCH DATE APR 28 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 4 1967

HELIOCENTRIC CONIC

DISTANCE 210.705

RL 150.60 LAL .00 LOL 217.03 VL 22.773 GAL 15.81 AZL 92.16 HCA 77.85 SMA 106.70 ECC .48058 INC 2.1620 V1 29.586
 RP 108.92 LAP -2.11 LOP 294.87 VP 34.543 GAP -28.70 AZP 90.46 TAL 161.28 TAP 239.13 RCA 55.42 APO 157.97 V2 34.793
 RC 56.154 GL -4.92 GP 3.86 ZAL 53.36 ZAP 15.65 ETS 195.96 ZAE 144.79 ETE 163.22 ZAC 132.14 ETC 25.18 CLP 15.17

PLANETOCENTRIC CONIC

C3 92.823 VML 9.634 DLA 1.81 RAL 163.22 RAD 6569.8 VEL 14.634 PTH 2.65 VHP 17.296 DPA 24.11 RAP 134.28 ECC 2.5276
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 39 10 2645.00 -27.16 70.61 52.05 98.34 8 23 15 2045.0 -25.73 62.23
 90.00 20 4 5 5176.65 25.80 231.62 50.37 77.91 21 30 21 4576.7 23.88 223.48
 100.00 9 1 21 2379.90 -28.63 50.86 51.80 98.98 9 41 1 1779.9 -27.09 42.40
 100.00 21 24 35 4916.98 27.25 212.17 50.02 77.22 22 46 32 4317.0 25.22 203.96
 110.00 10 11 32 2160.24 -32.62 33.38 50.99 100.84 10 47 32 1560.2 -30.78 24.64
 110.00 22 30 53 4709.41 31.19 195.31 48.91 75.24 23 49 23 4109.4 28.84 186.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8870 TRA-2.2100 TC3 -.1995 BAU .2539 SGT 1468.0 SGR 492.4 SG3 67.8 ST 658.8 SR 411.5 SS 597.6
 RDE -.6785 RRA -.4511 RC3 .0452 FAU .01439 RRT .1474 RRF -.1490 RTF -.8197 CRT -.6681 CRS -.7580 CST .9910
 FDE -.5857 FRA 1.0996 FC3 -.1342 BSP 4447 SGB 1548.4 R23 -.0134 R13 -.8201 LSA 939.1 MSA 279.5 SSA 16.4
 BDE 1.1167 BRA 2.2556 BC3 .2046 FSP -170 SGI 1470.0 SG2 486.3 TMA 3.18 EL1 725.2 EL2 278.1 ALF 153.08

LAUNCH DATE APR 28 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 6 1967

HELIOCENTRIC CONIC

DISTANCE 217.209

RL 150.60 LAL .00 LOL 217.03 VL 23.113 GAL 15.15 AZL 92.28 HCA 81.01 SMA 108.05 ECC .46124 INC 2.2849 V1 29.586
 RP 108.93 LAP -2.26 LOP 298.03 VP 34.765 GAP -27.46 AZP 90.36 TAL 160.64 TAP 241.65 RCA 58.22 APO 157.89 V2 34.790
 RC 54.407 GL -5.53 GP 4.05 ZAL 52.74 ZAP 14.42 ETS 197.92 ZAE 146.07 ETE 161.30 ZAC 130.38 ETC 24.49 CLP 13.85

PLANETOCENTRIC CONIC

C3 85.134 VML 9.227 DLA 1.00 RAL 163.59 RAD 6569.7 VEL 14.369 PTH 2.61 VHP 16.609 DPA 23.83 RAP 136.28 ECC 2.4011
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 46 43 2600.52 -26.68 67.44 50.59 -99.86 8 30 3 2000.5 -25.05 59.15
 90.00 19 59 31 5182.73 25.89 232.04 49.68 78.10 21 25 54 4582.7 23.99 223.89
 100.00 9 8 31 2336.64 -28.13 47.74 50.29 100.55 9 47 28 1736.6 -26.39 39.37
 100.00 21 20 24 4921.84 27.33 212.51 49.33 77.38 22 42 26 4321.8 25.31 204.29
 110.00 10 17 50 2119.70 -32.06 30.35 49.36 102.55 10 53 9 1519.7 -30.00 21.74
 110.00 22 27 35 4711.54 31.22 195.46 48.25 75.32 23 46 7 4111.5 28.89 187.03

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8920 TRA-2.2119 TC3 -.2026 BAU .2379 SGT 1527.6 SGR 489.5 SG3 73.2 ST 690.5 SR 404.8 SS 625.2
 RDE -.6386 RRA -.4361 RC3 .0514 FAU .01478 RRT .1564 RRF -.1594 RTF -.8303 CRT -.6661 CRS -.7589 CST .9905
 FDE -.6133 FRA 1.1344 FC3 -.1503 BSP 4672 SGB 1604.2 R23 -.0153 R13 -.8307 LSA 976.6 MSA 278.2 SSA 16.6
 BDE 1.0970 BRA 2.2545 BC3 .2091 FSP -185 SGI 1529.8 SG2 482.8 TMA 3.19 EL1 750.6 EL2 277.7 ALF 155.02

LAUNCH DATE APR 28 1967 FLIGHT TIME 102.00 ARRIVAL DATE AUG 8 1967

DISTANCE 223.754

HELIOCENTRIC CONIC
RL 150.60 LAL .00 LOL 217.03 VL 23.432 GAL 14.51 AZL 92.41 MCA 84.17 SMA 109.38 ECC .44265 INC 2.4057 V1 29.586
RP 108.93 LAP -2.39 LOP 301.19 VP 34.975 GAP -26.27 AZP 90.24 TAL 160.03 TAP 244.20 RCA 60.96 APO 157.79 V2 34.787
RC 52.748 GL -6.18 GP 4.26 ZAL 52.19 ZAP 13.22 ETS 200.33 ZAE 147.43 ETE 159.10 ZAC 128.61 ETC 23.85 CLP 12.52

PLANETOCENTRIC CONIC
C3 78.121 VML 8.839 DLA .16 RAL 163.90 RAD 6569.5 VEL 14.123 PTH 2.57 VMP 15.944 DPA 23.55 RAP 138.27 ECC 2.2857
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 7 54 9 2555.05 -26.11 64.23 49.05 101.37 8 36 44 1955.1 -24.28 56.04
90.00 19 54 34 5189.05 25.97 232.49 48.91 78.31 21 21 4 4589.0 24.10 224.32
100.00 9 15 34 2292.43 -27.54 44.59 48.72 102.11 9 53 46 1692.4 -25.59 36.33
100.00 21 15 51 4926.90 27.40 212.87 48.57 77.56 22 37 57 4326.9 25.41 204.63
110.00 10 23 59 2078.27 -31.41 27.29 47.68 104.25 10 58 37 1478.3 -29.13 18.83
110.00 22 23 55 4713.83 31.26 195.63 47.50 75.41 23 42 29 4113.8 28.94 187.19

MID-COURSE EXECUTION ACCURACY
SGT 1588.7 SGR 485.9 SG3 79.1
RRT .1665 RRF -.1711 RTF -.8405
SG8 1661.4 R23 -.0175 R13 -.8409
SG1 1591.0 SG2 478.5 THA 3.20

ORBIT DETERMINATION ACCURACY
ST 723.3 SR 397.0 SS 654.2
CRT -.6639 CRS -.7594 CST .9901
LSA 1016.0 MSA 276.3 SSA 16.7
EL1 777.5 EL2 276.2 ALF 156.90

DIFFERENTIAL CORRECTIONS
TOE .8970 TRA-2.2116 TC3 -.2044 BAU .2220
ROE -.5993 RRA -.4214 RC3 .0583 FAU .01521
FOE -.6427 FRA 1.1706 FC3 -.1685 BSP 4906
BOE 1.0788 BRA 2.2514 BC3 .2125 FSP -202

LAUNCH DATE APR 28 1967 FLIGHT TIME 104.00 ARRIVAL DATE AUG 10 1967

DISTANCE 230.336

HELIOCENTRIC CONIC
RL 150.60 LAL .00 LOL 217.03 VL 23.732 GAL 13.90 AZL 92.53 MCA 87.32 SMA 110.67 ECC .42481 INC 2.5251 V1 29.586
RP 108.94 LAP -2.52 LOP 304.35 VP 35.175 GAP -25.12 AZP 90.12 TAL 159.46 TAP 246.78 RCA 63.65 APO 157.68 V2 34.786
RC 51.183 GL -6.88 GP 4.49 ZAL 51.69 ZAP 12.05 ETS 203.32 ZAE 148.87 ETE 156.56 ZAC 126.82 ETC 23.26 CLP 11.20

PLANETOCENTRIC CONIC
C3 71.733 VML 8.470 DLA -.70 RAL 164.15 RAD 6569.4 VEL 13.895 PTH 2.54 VMP 15.299 DPA 23.27 RAP 140.25 ECC 2.1805
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 8 1 29 2508.60 -25.45 60.99 47.46 102.86 8 43 18 1908.6 -23.42 52.91
90.00 19 49 12 5195.78 26.07 232.96 48.06 78.53 21 15 48 4595.8 24.22 224.77
100.00 9 22 30 2247.25 -26.85 41.41 47.09 103.65 9 59 57 1647.3 -24.71 33.26
100.00 21 10 52 4932.36 27.48 213.25 47.75 77.75 22 33 4 4332.4 25.51 205.00
110.00 10 30 0 2035.96 -30.66 24.22 45.95 105.92 11 3 56 1436.0 -28.17 15.91
110.00 22 19 51 4716.42 31.31 195.82 46.69 75.52 23 38 28 4116.4 29.00 187.37

MID-COURSE EXECUTION ACCURACY
SGT 1652.7 SGR 481.8 SG3 85.5
RRT .1789 RRF -.1847 RTF -.8496
SG8 1721.5 R23 -.0195 R13 -.8500
SG1 1655.2 SG2 473.3 THA 3.25

ORBIT DETERMINATION ACCURACY
ST 756.2 SR 388.2 SS 684.4
CRT -.6599 CRS -.7592 CST .9894
LSA 1056.1 MSA 274.2 SSA 16.8
EL1 804.6 EL2 274.1 ALF 158.70

DIFFERENTIAL CORRECTIONS
TOE .8994 TRA-2.2119 TC3 -.2061 BAU .2075
ROE -.5606 RRA -.4071 RC3 .0659 FAU .01566
FOE -.6738 FRA 1.2088 FC3 -.1890 BSP 5079
BOE 1.0598 BRA 2.2491 BC3 .2164 FSP -220

LAUNCH DATE APR 28 1967 FLIGHT TIME 106.00 ARRIVAL DATE AUG 12 1967

DISTANCE 236.950

HELIOCENTRIC CONIC
RL 150.60 LAL .00 LOL 217.03 VL 24.012 GAL 13.32 AZL 92.64 MCA 90.48 SMA 111.92 ECC .40773 INC 2.6438 V1 29.586
RP 108.94 LAP -2.64 LOP 307.52 VP 35.363 GAP -24.02 AZP 89.98 TAL 158.91 TAP 249.39 RCA 66.28 APO 157.55 V2 34.784
RC 49.723 GL -7.63 GP 4.74 ZAL 51.26 ZAP 10.94 ETS 207.08 ZAE 150.38 ETE 153.62 ZAC 125.03 ETC 22.71 CLP 9.86

PLANETOCENTRIC CONIC
C3 65.917 VML 8.119 DLA -1.58 RAL 164.33 RAD 6569.3 VEL 13.685 PTH 2.50 VMP 14.674 DPA 23.00 RAP 142.23 ECC 2.0848
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 8 8 45 2461.12 -24.69 57.72 45.81 104.33 8 49 47 1861.1 -22.48 49.75
90.00 19 43 22 5203.13 26.16 233.47 47.14 78.77 21 10 5 4603.1 24.35 225.27
100.00 9 29 22 2201.10 -26.07 38.20 45.41 105.17 10 6 3 1601.1 -23.73 30.18
100.00 21 5 26 4938.38 27.57 213.68 46.82 77.96 22 27 45 4338.4 25.63 205.41
110.00 10 35 55 1992.76 -29.81 21.14 44.17 107.56 11 9 8 1392.8 -27.12 12.99
110.00 22 15 22 4719.49 31.36 196.04 45.80 75.64 23 34 2 4119.5 29.07 187.59

MID-COURSE EXECUTION ACCURACY
SGT 1717.0 SGR 477.0 SG3 92.5
RRT .1920 RRF -.1999 RTF -.8587
SG8 1782.1 R23 -.0222 R13 -.8591
SG1 1719.7 SG2 467.4 THA 3.30

ORBIT DETERMINATION ACCURACY
ST 791.2 SR 378.1 SS 716.6
CRT -.6566 CRS -.7587 CST .9889
LSA 1099.4 MSA 271.0 SSA 16.8
EL1 834.1 EL2 270.5 ALF 160.44

DIFFERENTIAL CORRECTIONS
TOE .9042 TRA-2.2082 TC3 -.2049 BAU .1921
ROE -.5226 RRA -.3932 RC3 .0742 FAU .01618
FOE -.7078 FRA 1.2484 FC3 -.2125 BSP 5311
BOE 1.0443 BRA 2.2429 BC3 .2180 FSP -240

LAUNCH DATE APR 28 1967 FLIGHT TIME 108.00 ARRIVAL DATE AUG 14 1967

DISTANCE 243.593

HELIOCENTRIC CONIC
RL 150.60 LAL .00 LOL 217.03 VL 24.275 GAL 12.76 AZL 92.76 MCA 93.64 SMA 113.13 ECC .39140 INC 2.7627 V1 29.586
RP 108.94 LAP -2.76 LOP 310.68 VP 35.542 GAP -22.95 AZP 89.82 TAL 158.40 TAP 252.04 RCA 68.85 APO 157.41 V2 34.784
RC 48.377 GL -8.43 GP 5.02 ZAL 50.90 ZAP 9.89 ETS 211.84 ZAE 151.92 ETE 150.18 ZAC 123.23 ETC 22.20 CLP 8.53

PLANETOCENTRIC CONIC
C3 60.629 VML 7.786 DLA -2.49 RAL 164.44 RAD 6569.1 VEL 13.490 PTH 2.47 VMP 14.069 DPA 22.73 RAP 144.21 ECC 1.9978
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 8 15 59 2412.61 -23.83 54.43 44.13 105.77 8 56 12 1812.6 -21.44 46.57
90.00 19 37 1 5211.29 26.27 234.05 46.16 79.04 21 3 53 4611.3 24.49 225.83
100.00 9 36 10 2153.97 -25.19 34.97 43.69 106.65 10 12 4 1554.0 -22.67 27.08
100.00 20 59 32 4945.17 27.66 214.16 45.85 78.19 22 21 57 4345.2 25.75 205.88
110.00 10 41 45 1948.68 -28.86 18.06 42.36 109.16 11 14 13 1348.7 -25.98 10.07
110.00 22 10 26 4723.22 31.42 196.31 44.85 75.79 23 29 10 4123.2 29.15 187.85

MID-COURSE EXECUTION ACCURACY
SGT 1782.5 SGR 471.8 SG3 100.1
RRT .2071 RRF -.2172 RTF -.8673
SG8 1843.8 R23 -.0252 R13 -.8678
SG1 1785.3 SG2 460.8 THA 3.36

ORBIT DETERMINATION ACCURACY
ST 827.4 SR 366.7 SS 750.8
CRT -.6527 CRS -.7576 CST .9885
LSA 1145.0 MSA 267.1 SSA 16.9
EL1 865.1 EL2 265.7 ALF 162.13

DIFFERENTIAL CORRECTIONS
TOE .9094 TRA-2.2021 TC3 -.2017 BAU .1770
ROE -.4850 RRA -.3799 RC3 .0835 FAU .01675
FOE -.7446 FRA 1.2898 FC3 -.2391 BSP 5546
BOE 1.0306 BRA 2.2347 BC3 .2183 FSP -263

LAUNCH DATE APR 28 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 250.259

RL 150.80 LAL .00 LOL 217.03 VL 24.522 GAL 12.23 AZL 92.88 MCA 96.80 SMA 114.30 ECC .37582 INC 2.8824 V1 29.586
 RP 108.94 LAP -2.86 LOP 313.84 VP 35.711 GAP -21.92 AZP 89.66 TAL 157.92 TAP 254.72 RCA 71.34 APO 157.25 V2 34.784
 RC 47.155 GL -9.28 GP 5.33 ZAL 50.61 ZAP 8.94 ETS 217.87 ZAE 153.47 ETE 146.16 ZAC 121.43 ETC 21.73 CLP 7.18

PLANETOCENTRIC CONIC

C3 55.828 VML 7.472 DLA -3.44 RAL 164.48 RAD 6569.0 VEL 13.311 PTH 2.43 VMP 13.483 DPA 22.47 RAP 146.18 ECC 1.9188
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 23 12 2363.04 -22.87 51.11 42.41 107.16 9 2 35 1763.0 -20.31 43.38
 90.00 19 30 9 5220.50 26.39 234.69 45.13 79.34 20 57 9 4620.5 24.65 226.46
 100.00 9 42 56 2105.82 -24.21 31.73 41.95 108.09 10 18 2 1505.8 -21.51 23.98
 100.00 20 53 6 4952.95 27.77 214.71 44.82 78.46 22 15 39 4352.9 25.90 206.41
 110.00 10 47 30 1903.72 -27.82 14.98 40.53 110.72 11 19 13 1303.7 -24.74 7.16
 110.00 22 5 2 4727.81 31.50 196.65 43.85 75.97 23 23 50 4127.8 29.25 188.17

DIFFERENTIAL CORRECTIONS

TDE .9150 TRA-2.1939 TC3 -.1963 BAU .1623
 RDE -.4480 RRA -.3873 RC3 .0936 FAU .01737
 FDE -.7847 FRA 1.3332 FC3 -.2694 BSP 5789
 BOE 1.0188 BRA 2.2245 BC3 .2175 FSP -287

MID-COURSE EXECUTION ACCURACY

SGT 1849.0 SGR 466.1 SG3 108.4
 RRT .2245 RRF -.2371 RTF -.8754
 SGB 1906.9 R23 -.0287 R13 -.8760
 SGI 1852.2 SG2 453.4 THA 3.45

ORBIT DETERMINATION ACCURACY

ST 864.9 SR 353.9 SS 787.2
 CRT -.6479 CRS -.7555 CST .9880
 LSA 1193.1 MSA 262.7 SSA 17.0
 EL1 897.7 EL2 259.7 ALF 163.76

LAUNCH DATE APR 28 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 256.947

RL 150.80 LAL .00 LOL 217.03 VL 24.752 GAL 11.72 AZL 93.00 MCA 99.96 SMA 115.43 ECC .36096 INC 3.0037 V1 29.586
 RP 108.94 LAP -2.98 LOP 317.01 VP 35.871 GAP -20.92 AZP 89.48 TAL 157.48 TAP 257.44 RCA 73.76 APO 157.09 V2 34.785
 RC 46.088 GL -10.20 GP 5.68 ZAL 50.39 ZAP 8.13 ETS 225.48 ZAE 154.98 ETE 141.44 ZAC 119.62 ETC 21.28 CLP 5.83

PLANETOCENTRIC CONIC

C3 51.475 VML 7.175 DLA -4.42 RAL 164.45 RAD 6568.9 VEL 13.147 PTH 2.40 VMP 12.915 DPA 22.23 RAP 148.14 ECC 1.8471
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 30 26 2312.36 -21.82 47.77 40.67 108.51 9 8 58 1712.4 -19.08 40.16
 90.00 19 22 41 5231.01 26.52 235.44 44.04 79.69 20 49 52 4631.0 24.83 227.18
 100.00 9 49 42 2058.65 -23.13 28.48 40.18 109.48 10 23 59 1456.7 -20.27 20.86
 100.00 20 46 6 4981.95 27.89 215.36 43.75 78.78 22 8 48 4362.0 26.06 207.03
 110.00 10 53 12 1857.89 -26.68 11.91 38.70 112.21 11 24 9 1257.9 -23.43 4.25
 110.00 21 59 6 4733.48 31.59 197.07 42.80 76.20 23 17 59 4133.5 29.37 188.56

DIFFERENTIAL CORRECTIONS

TDE .9211 TRA-2.1836 TC3 -.1882 BAU .1482
 RDE -.4115 RRA -.3557 RC3 .1047 FAU .01806
 FDE -.8284 FRA 1.3790 FC3 -.3037 BSP 6028
 BOE 1.0089 BRA 2.2124 BC3 .2154 FSP -314

MID-COURSE EXECUTION ACCURACY

SGT 1916.6 SGR 480.1 SG3 117.4
 RRT .2449 RRF -.2603 RTF -.8832
 SGB 1971.0 R23 -.0326 R13 -.8838
 SGI 1920.1 SG2 445.3 THA 3.56

ORBIT DETERMINATION ACCURACY

ST 903.6 SR 339.5 SS 825.8
 CRT -.6417 CRS -.7522 CST .9876
 LSA 1243.8 MSA 257.7 SSA 17.0
 EL1 931.7 EL2 252.6 ALF 165.34

LAUNCH DATE APR 28 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 263.651

RL 150.80 LAL .00 LOL 217.03 VL 24.968 GAL 11.23 AZL 93.13 MCA 103.12 SMA 116.51 ECC .34683 INC 3.1274 V1 29.586
 RP 108.93 LAP -3.05 LOP 320.17 VP 36.021 GAP -19.96 AZP 89.29 TAL 157.07 TAP 260.19 RCA 76.10 APO 156.92 V2 34.787
 RC 45.125 GL -11.17 GP 6.06 ZAL 50.24 ZAP 7.52 ETS 234.85 ZAE 156.40 ETE 135.92 ZAC 117.82 ETC 20.87 CLP 4.45

PLANETOCENTRIC CONIC

C3 47.536 VML 6.895 DLA -5.44 RAL 164.35 RAD 6568.8 VEL 12.996 PTH 2.37 VMP 12.366 DPA 22.02 RAP 150.09 ECC 1.7823
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 37 43 2260.55 -20.66 44.41 38.93 109.81 9 15 24 1660.5 -17.77 36.93
 90.00 19 14 35 5243.10 26.66 236.29 42.92 80.10 20 41 58 4643.1 25.02 228.01
 100.00 9 56 30 2006.43 -21.96 25.21 38.41 110.81 10 29 56 1406.4 -18.93 17.72
 100.00 20 38 29 4972.46 28.03 216.11 42.63 79.15 22 1 22 4372.5 26.24 207.76
 110.00 10 58 52 1811.18 -25.44 8.84 36.86 113.65 11 29 3 1211.2 -22.02 1.35
 110.00 21 52 37 4740.46 31.70 197.58 41.72 76.49 23 11 37 4140.5 29.52 189.05

DIFFERENTIAL CORRECTIONS

TDE .9283 TRA-2.1711 TC3 -.1773 BAU .1350
 RDE -.3752 RRA -.3451 RC3 .1169 FAU .01881
 FDE -.8767 FRA 1.4273 FC3 -.3426 BSP 6275
 BOE 1.0012 BRA 2.1984 BC3 .2124 FSP -344

MID-COURSE EXECUTION ACCURACY

SGT 1984.8 SGR 454.1 SG3 127.4
 RRT .2688 RRF -.2872 RTF -.8905
 SGB 2036.1 R23 -.0371 R13 -.8912
 SGI 1988.8 SG2 436.5 THA 3.70

ORBIT DETERMINATION ACCURACY

ST 943.8 SR 323.6 SS 867.2
 CRT -.6338 CRS -.7470 CST .9873
 LSA 1297.6 MSA 252.2 SSA 17.0
 EL1 967.4 EL2 244.2 ALF 166.89

LAUNCH DATE APR 28 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 270.370

RL 150.80 LAL .00 LOL 217.03 VL 25.169 GAL 10.76 AZL 93.25 MCA 106.28 SMA 117.55 ECC .33340 INC 3.2543 V1 29.586
 RP 108.93 LAP -3.12 LOP 323.34 VP 36.164 GAP -19.03 AZP 89.09 TAL 156.70 TAP 262.98 RCA 78.36 APO 156.75 V2 34.790
 RC 44.335 GL -12.22 GP 6.49 ZAL 50.17 ZAP 7.17 ETS 245.81 ZAE 157.63 ETE 129.53 ZAC 116.01 ETC 20.49 CLP 3.07

PLANETOCENTRIC CONIC

C3 43.980 VML 6.632 DLA -6.50 RAL 164.17 RAD 6568.7 VEL 12.859 PTH 2.34 VMP 11.835 DPA 21.84 RAP 152.04 ECC 1.7238
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 45 6 2207.53 -19.40 41.04 37.18 111.04 9 21 54 1607.5 -16.36 33.67
 90.00 19 5 46 5257.08 26.82 237.28 41.76 80.57 20 33 23 4657.1 25.25 228.97
 100.00 10 3 21 1955.10 -20.68 21.94 36.64 112.08 10 35 56 1355.1 -17.50 14.58
 100.00 20 30 12 4984.74 28.18 216.99 41.49 79.59 21 53 17 4384.7 26.46 208.61
 110.00 11 4 31 1763.58 -24.10 5.79 35.03 115.01 11 33 55 1163.6 -20.53 358.47
 110.00 21 45 32 4749.02 31.84 198.21 40.61 76.84 23 4 41 4149.0 29.70 189.65

DIFFERENTIAL CORRECTIONS

TDE .9363 TRA-2.1566 TC3 -.1635 BAU .1229
 RDE -.3391 RRA -.3358 RC3 .1302 FAU .01963
 FDE -.9300 FRA 1.4785 FC3 -.3865 BSP 6513
 BOE .9958 BRA 2.1826 BC3 .2090 FSP -376

MID-COURSE EXECUTION ACCURACY

SGT 2053.8 SGR 448.2 SG3 138.3
 RRT .2967 RRF -.3186 RTF -.8974
 SGB 2102.1 R23 -.0422 R13 -.8981
 SGI 2058.3 SG2 427.1 THA 3.87

ORBIT DETERMINATION ACCURACY

ST 985.4 SR 305.8 SS 911.5
 CRT -.6230 CRS -.7393 CST .9869
 LSA 1354.4 MSA 246.2 SSA 17.0
 EL1 1004.7 EL2 234.6 ALF 168.42

LAUNCH DATE APR 24 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 277.098

RL 150.60 LAL .00 LOL 217.03 VL 25.357 GAL 10.32 AZL 93.39 MCA 109.44 SMA 118.55 ECC .32067 INC 3.3854 V1 29.586
 RP 108.92 LAP -3.19 LOP 326.50 VP 36.298 GAP -18.13 AZP 88.87 TAL 156.36 TAP 265.80 RCA 80.54 APO 156.57 V2 34.793
 RC 43.707 GL -13.34 GP 6.97 ZAL 50.19 ZAP 7.16 ETS 257.66 ZAE 158.61 ETE 122.26 ZAC 114.21 ETC 20.13 CLP 1.66

PLANETOCENTRIC CONIC

C3 40.778 VHL 6.386 CLA -7.61 RAL 163.91 RAD 6568.6 VEL 12.734 PTH 2.31 VHP 11.322 OPA 21.69 RAP 153.97 ECC 1.6711
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 52 38 2153.23 -18.03 37.63 35.44 112.21 9 28 32 1553.2 -14.87 30.39
 90.00 18 56 12 5273.26 27.00 238.44 40.58 81.12 20 24 5 4673.3 25.49 230.09
 100.00 10 10 20 1902.61 -19.30 18.65 34.88 113.28 10 42 2 1302.6 -15.98 11.42
 100.00 20 21 12 4999.11 28.35 218.02 40.32 80.11 21 44 31 4399.1 26.70 209.61
 110.00 11 10 13 1715.08 -22.67 2.75 33.21 116.30 11 38 48 1115.1 -18.95 355.58
 110.00 21 37 47 4759.41 31.99 198.98 39.48 77.27 22 57 7 4159.4 29.91 190.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9456 TRA-2.1398 TC3 -.1462 BAU .1121
 RDE -.3029 RRA -.3279 RC3 .1447 FAU .02053
 FDE -.9893 FRA 1.5327 FC3 -.4359 BSP 6760
 BDE .9930 BRA 2.1647 BC3 .2057 FSP -412

SGT 2122.8 SGR 442.9 SG3 150.2
 RRT .3296 RRF -.3551 RTF -.9040
 SGB 2168.5 R23 -.0479 R13 -.9048
 SGI 2128.0 SG2 417.1 TMA 4.09

ST 1028.4 SR 286.1 SS 959.2
 CRT -.6081 CRS -.7277 CST .9867
 LSA 1414.8 MSA 239.9 SSA 16.9
 EL1 1043.7 EL2 223.8 ALF 169.93

LAUNCH DATE APR 24 1967

FLIGHT TIME 120.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 283.835

RL 150.60 LAL .00 LOL 217.03 VL 25.532 GAL 9.89 AZL 93.52 MCA 112.60 SMA 119.50 ECC .30861 INC 3.5217 V1 29.586
 RP 108.90 LAP -3.25 LOP 329.67 VP 36.424 GAP -17.26 AZP 88.65 TAL 156.07 TAP 268.67 RCA 82.62 APO 156.38 V2 34.797
 RC 43.245 GL -14.53 GP 7.51 ZAL 50.29 ZAP 7.51 ETS 269.27 ZAE 159.24 ETE 114.25 ZAC 112.41 ETC 19.79 CLP .22

PLANETOCENTRIC CONIC

C3 37.905 VHL 6.157 CLA -8.76 RAL 163.58 RAD 6568.5 VEL 12.620 PTH 2.29 VHP 10.826 OPA 21.60 RAP 155.91 ECC 1.6238
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 03 23 2097.54 -16.57 34.21 33.72 113.30 9 35 20 1497.5 -13.27 27.08
 90.00 18 45 46 5292.03 27.19 239.78 39.38 81.77 20 13 58 4692.0 25.77 231.40
 100.00 10 17 28 1848.89 -17.82 15.34 33.14 114.40 10 48 16 1248.9 -14.38 8.24
 100.00 20 11 22 5015.92 28.54 219.23 39.15 80.72 21 34 58 4415.9 26.97 210.79
 110.00 11 15 59 1665.63 -21.15 359.72 31.42 117.50 11 43 45 1065.6 -17.30 352.71
 110.00 21 29 20 4771.95 32.18 199.91 38.35 77.79 22 48 52 4171.9 30.16 191.28

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9568 TRA-2.1208 TC3 -.1257 BAU .1033
 RDE -.2665 RRA -.3217 RC3 .1605 FAU .02152
 FDE -1.0555 FRA 1.5902 FC3 -.4914 BSP 6981
 BDE .9933 BRA 2.1451 BC3 .2038 FSP -451

SGT 2192.0 SGR 438.6 SG3 163.3
 RRT .3677 RRF -.3975 RTF -.9102
 SGB 2235.5 R23 -.0547 R13 -.9110
 SGI 2198.2 SG2 406.7 TMA 4.36

ST 1073.3 SR 264.2 SS 1010.5
 CRT -.5869 CRS -.7102 CST .9865
 LSA 1479.2 MSA 233.2 SSA 16.9
 EL1 1084.9 EL2 211.6 ALF 171.45

LAUNCH DATE APR 24 1967

FLIGHT TIME 122.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 290.576

RL 150.60 LAL .00 LOL 217.03 VL 25.696 GAL 9.49 AZL 93.66 MCA 115.76 SMA 120.41 ECC .29721 INC 3.6645 V1 29.586
 RP 108.89 LAP -3.30 LOP 332.84 VP 36.543 GAP -16.42 AZP 88.41 TAL 155.80 TAP 271.56 RCA 84.62 APO 156.20 V2 34.801
 RC 42.956 GL -15.81 GP 8.12 ZAL 50.48 ZAP 8.21 ETS 279.57 ZAE 159.46 ETE 105.81 ZAC 110.62 ETC 19.48 CLP -1.24

PLANETOCENTRIC CONIC

C3 35.337 VHL 5.945 CLA -9.98 RAL 163.16 RAD 6568.4 VEL 12.518 PTH 2.27 VHP 10.348 OPA 21.57 RAP 157.84 ECC 1.5816
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 8 24 2040.33 -14.99 30.74 32.03 114.30 9 42 25 1440.3 -11.59 23.72
 90.00 18 34 24 5313.80 27.39 241.34 38.18 82.53 20 2 57 4713.8 26.07 232.92
 100.00 10 24 49 1793.81 -16.24 12.02 31.43 115.45 10 54 43 1193.8 -12.68 5.03
 100.00 20 0 40 5035.56 28.75 220.66 37.97 81.44 21 24 36 4435.6 27.27 212.17
 110.00 11 21 52 1615.19 -19.53 356.70 29.66 118.63 11 48 47 1015.2 -15.56 349.83
 110.00 21 20 7 4786.94 32.39 201.03 37.22 78.42 22 39 54 4186.9 30.46 192.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9729 TRA-2.0963 TC3 -.0978 BAU .0958
 RDE -.2295 RRA -.3174 RC3 .1776 FAU .02264
 FDE -1.1308 FRA 1.6503 FC3 -.5546 BSP 7323
 BDE .9996 BRA 2.1202 BC3 .2028 FSP -496

SGT 2258.7 SGR 435.9 SG3 177.7
 RRT .4117 RRF -.4460 RTF -.9167
 SGB 2300.4 R23 -.0622 R13 -.9176
 SGI 2266.0 SG2 396.0 TMA 4.69

ST 1121.7 SR 240.1 SS 1066.6
 CRT -.5573 CRS -.6836 CST .9866
 LSA 1549.9 MSA 225.6 SSA 16.7
 EL1 1129.9 EL2 197.9 ALF 172.98

LAUNCH DATE APR 28 1967

FLIGHT TIME 124.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 297.320

RL 150.60 LAL .00 LOL 217.03 VL 25.848 GAL 9.10 AZL 93.82 MCA 118.92 SMA 121.27 ECC .28646 INC 3.8151 V1 29.586
 RP 108.87 LAP -3.34 LOP 336.01 VP 36.655 GAP -15.61 AZP 88.15 TAL 155.58 TAP 274.50 RCA 86.53 APO 156.01 V2 34.806
 RC 42.841 GL -17.18 GP 8.81 ZAL 50.76 ZAP 9.22 ETS 288.07 ZAE 159.21 ETE 97.35 ZAC 108.83 ETC 19.18 CLP -2.73

PLANETOCENTRIC CONIC

C3 33.057 VHL 5.749 CLA -11.25 RAL 162.65 RAD 6568.3 VEL 12.427 PTH 2.25 VHP 9.888 OPA 21.61 RAP 159.76 ECC 1.5440
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 16 49 1981.41 -13.31 27.23 30.38 115.22 9 49 50 1381.4 -9.81 20.31
 90.00 18 21 58 5339.06 27.60 243.16 36.99 83.41 19 50 57 4739.1 26.40 234.70
 100.00 10 32 29 1737.24 -14.56 8.66 29.76 116.40 11 1 27 1137.2 -10.89 1.78
 100.00 19 48 58 5058.45 28.97 222.32 36.80 82.29 21 13 17 4458.5 27.60 213.79
 110.00 11 27 55 1563.69 -17.82 353.68 27.94 119.66 11 53 58 963.7 -13.74 346.95
 110.00 21 10 2 4804.77 32.63 202.37 36.10 79.18 22 30 7 4204.8 30.79 193.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9876 TRA-2.0738 TC3 -.0704 BAU .0921
 RDE -.1914 RRA -.3154 RC3 .1962 FAU .02381
 FDE -1.2147 FRA 1.7152 FC3 -.6236 BSP 7547
 BDE 1.0059 BRA 2.0977 BC3 .2085 FSP -544

SGT 2327.0 SGR 435.9 SG3 193.5
 RRT .4626 RRF -.5013 RTF -.9220
 SGB 2367.5 R23 -.0708 R13 -.9231
 SGI 2336.0 SG2 384.9 TMA 5.09

ST 1169.7 SR 213.7 SS 1126.7
 CRT -.5079 CRS -.6404 CST .9865
 LSA 1623.3 MSA 218.9 SSA 16.5
 EL1 1174.8 EL2 183.3 ALF 174.57

LAUNCH DATE APR 28 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 304.064

RL 150.60 LAL .00 LOL 217.03 VL 25.989 GAL 8.74 AZL 93.98 HCA 122.09 SMA 122.09 ECC .27633 INC 3.9753 V1 29.546
 RP 108.86 LAP -3.37 LOP 339.18 VP 36.761 GAP -14.81 AZP 87.89 TAL 155.39 TAP 277.47 RCA RH.35 APO 155.83 V2 34.812
 RC 42.900 GL -18.64 GP 9.60 ZAL 51.14 ZAP 10.49 ETS 294.75 ZAE 158.50 ETE 89.34 ZAC 107.05 ETC 18.90 CLP -4.26

PLANETOCENTRIC CONIC

C3 31.045 VHL 5.572 DLA -12.59 RAL 162.06 RAD 6568.2 VEL 12.346 PTH 2.23 VMP 9.445 DPA 21.74 RAP 161.69 ECC 1.5109
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 25 42 1920.50 -11.52 23.66 28.78 116.05 9 57 43 1320.5 -7.92 16.82
 90.00 18 8 20 5368.36 27.81 245.27 35.81 84.46 19 37 48 4768.4 26.75 236.77
 100.00 10 40 34 1678.98 -12.76 5.26 28.14 117.26 11 8 33 1079.0 -9.01 358.48
 100.00 19 36 9 5085.11 29.20 224.27 35.65 83.30 21 0 55 4485.1 27.96 215.69
 110.00 11 34 11 1511.03 -16.02 350.66 26.28 120.61 11 59 23 911.0 -11.84 344.05
 110.00 20 59 1 4825.83 32.88 203.96 35.02 80.09 22 19 27 4225.8 31.17 195.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0052 TRA-2.0488 TC3 -.0398 BAU .0913 SGT 2393.8 SGR 439.7 SG3 210.9 ST 1219.8 SR 185.5 SS 1191.7
 RDE -.1518 RRA -.3160 RC3 .2164 FAU .02508 RRT .5193 RRF -.5625 RTF -.9271 CRT -.4273 CRS -.5676 CST .9866
 FDE-1.3096 FRA 1.7843 FC3 -.6993 BSP 7773 SGB 2433.9 R23 -.0807 R13 -.9284 LSA 1702.1 MSA 212.2 SSA 16.2
 BDE 1.0166 BRA 2.0730 BC3 .2200 FSP -596 SGI 2405.0 SG2 374.0 THA 5.58 ELI 1222.4 EL2 167.3 ALF 176.21

LAUNCH DATE APR 28 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 310.805

RL 150.60 LAL .00 LOL 217.03 VL 26.120 GAL 8.39 AZL 94.15 HCA 125.25 SMA 122.86 ECC .26681 INC 4.1470 V1 29.586
 RP 108.84 LAP -3.39 LOP 342.35 VP 36.860 GAP -14.05 AZP 87.60 TAL 155.23 TAP 280.48 RCA 90.08 APO 155.65 V2 34.819
 RC 43.133 GL -20.20 GP 10.50 ZAL 51.63 ZAP 11.99 ETS 299.85 ZAE 157.38 ETE 82.13 ZAC 105.27 ETC 18.64 CLP -5.83

PLANETOCENTRIC CONIC

C3 29.289 VHL 5.412 DLA -14.00 RAL 161.37 RAD 6568.2 VEL 12.274 PTH 2.21 VMP 9.021 DPA 21.97 RAP 163.63 ECC 1.4420
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 35 15 1857.27 -9.60 20.00 27.25 116.77 10 6 12 1257.3 -5.94 13.24
 90.00 17 53 19 5402.39 28.01 247.74 34.66 85.68 19 23 21 4802.4 27.12 239.19
 100.00 10 49 10 1618.75 -10.86 1.80 26.59 118.02 11 16 9 1018.8 -7.03 355.11
 100.00 19 22 5 5116.14 29.42 226.55 34.52 84.48 20 47 21 4516.1 28.35 217.91
 110.00 11 40 47 1457.07 -14.13 347.63 24.67 121.45 12 5 5 857.1 -9.86 341.12
 110.00 20 46 57 4850.58 33.16 205.83 33.97 81.17 22 7 48 4250.6 31.58 196.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0262 TRA-2.0217 TC3 -.0059 BAU .0933 SGT 2458.9 SGR 449.0 SG3 229.8 ST 1272.1 SR 156.6 SS 1262.3
 RDE -.1099 RRA -.3196 RC3 .2382 FAU .02645 RRT .5808 RRF -.6282 RTF -.9319 CRT -.2867 CRS -.4366 CST .9867
 FDE-1.4177 FRA 1.8575 FC3 -.7817 BSP 7995 SGB 2499.6 R23 -.0920 R13 -.9335 LSA 1787.0 MSA 205.7 SSA 15.8
 BDE 1.0320 BRA 2.0468 BC3 .2383 FSP -654 SGI 2473.0 SG2 363.5 THA 6.19 ELI 1272.9 EL2 150.0 ALF 177.95

LAUNCH DATE APR 28 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 317.543

RL 150.60 LAL .00 LOL 217.03 VL 26.242 GAL 8.07 AZL 94.33 HCA 128.41 SMA 123.59 ECC .25788 INC 4.3328 V1 29.586
 RP 108.81 LAP -3.39 LOP 345.53 VP 36.953 GAP -13.30 AZP 87.30 TAL 155.11 TAP 283.52 RCA 91.72 APO 155.47 V2 34.826
 RC 43.534 GL -21.87 GP 11.54 ZAL 52.22 ZAP 13.71 ETS 303.67 ZAE 155.91 ETE 75.94 ZAC 103.51 ETC 18.38 CLP -7.45

PLANETOCENTRIC CONIC

C3 27.778 VHL 5.270 DLA -15.49 RAL 160.59 RAD 6568.1 VEL 12.213 PTH 2.19 VMP 8.615 DPA 22.34 RAP 165.58 ECC 1.4571
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 45 38 1791.19 -7.56 16.23 25.80 117.37 10 15 29 1191.2 -3.83 9.53
 90.00 17 36 41 5442.00 28.18 250.63 33.55 87.12 19 7 23 4842.0 27.48 242.03
 100.00 10 58 29 1556.16 -8.84 358.26 25.11 118.67 11 24 25 956.2 -4.94 351.63
 100.00 19 6 32 5152.27 29.63 229.22 33.44 85.86 20 32 24 4552.3 28.74 220.53
 110.00 11 47 49 1401.62 -12.14 344.56 23.14 122.20 12 11 10 801.6 -7.80 338.16
 110.00 20 33 41 4879.57 33.44 208.05 32.99 82.45 21 55 1 4279.6 32.03 199.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0510 TRA-1.9924 TC3 .0303 BAU .0979 SGT 2521.6 SGR 465.9 SG3 250.6 ST 1326.7 SR 131.3 SS 1339.1
 RDE -.0647 RRA -.3268 RC3 .2619 FAU .02792 RRT .6445 RRF -.6957 RTF -.9365 CRT -.0328 CRS -.1910 CST .9870
 FDE-1.5412 FRA 1.9346 FC3 -.8702 BSP 8219 SGB 2564.3 R23 -.1046 R13 -.9384 LSA 1879.0 MSA 199.6 SSA 15.3
 BDE 1.0530 BRA 2.0190 BC3 .2636 FSP -718 SGI 2539.8 SG2 353.7 THA 6.93 ELI 1326.7 EL2 131.2 ALF 179.81

LAUNCH DATE APR 28 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 324.273

RL 150.60 LAL .00 LOL 217.03 VL 26.355 GAL 7.76 AZL 94.54 HCA 131.58 SMA 124.28 ECC .24952 INC 4.5357 V1 29.586
 RP 108.79 LAP -3.39 LOP 348.70 VP 37.040 GAP -12.58 AZP 86.99 TAL 155.01 TAP 286.59 RCA 93.27 APO 155.29 V2 34.834
 RC 44.099 GL -23.65 GP 12.74 ZAL 52.92 ZAP 15.62 ETS 306.46 ZAE 154.15 ETE 70.83 ZAC 101.74 ETC 18.14 CLP -9.12

PLANETOCENTRIC CONIC

C3 26.504 VHL 5.148 DLA -17.06 RAL 159.71 RAD 6568.1 VEL 12.161 PTH 2.18 VMP 8.229 DPA 22.87 RAP 167.55 ECC 1.4362
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 57 9 1721.56 -5.36 12.29 24.46 117.85 10 25 51 1121.6 -1.59 5.63
 90.00 17 18 7 5488.31 28.29 254.01 32.47 88.81 18 49 35 4888.3 27.83 245.38
 100.00 11 8 43 1490.66 -6.68 354.59 23.74 119.20 11 33 33 890.7 -2.74 348.02
 100.00 18 49 15 5194.44 29.80 232.34 32.41 87.50 20 15 49 4594.4 29.13 223.60
 110.00 11 55 24 1344.41 -10.04 341.46 21.69 122.85 12 17 48 744.4 -5.65 335.13
 110.00 20 19 3 4913.45 33.71 210.66 32.07 83.97 21 40 57 4313.5 32.51 201.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0828 TRA-1.9588 TC3 .0715 BAU .1050 SGT 2580.3 SGR 492.8 SG3 273.2 ST 1385.7 SR 119.6 SS 1423.2
 RDE -.0148 RRA -.3381 RC3 .2875 FAU .02954 RRT .7074 RRF -.7612 RTF -.9412 CRT .3676 CRS .2189 CST .9876
 FDE-1.6838 FRA 2.0142 FC3 -.9648 BSP 8489 SGB 2626.9 R23 -.1178 R13 -.9435 LSA 1980.5 MSA 193.3 SSA 14.7
 BDE 1.0829 BRA 1.9878 BC3 .2963 FSP -789 SGI 2604.2 SG2 345.1 THA 7.83 ELI 1386.4 EL2 111.1 ALF 1.83

LAUNCH DATE APR 28 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC
 RL 150.60 LAL .00 LOL 217.03 VL 26.459 GAL 7.47 AZL 94.76 HCA 134.75 SMA 124.92 ECC .24171 INC 4.7596 V1 29.586
 RP 108.76 LAP -3.38 LOP 351.88 VP 37.122 GAP -11.88 AZP 86.65 TAL 154.95 TAP 289.70 RCA 94.73 APO 155.12 V2 34.842
 RC 44.820 GL -25.55 GP 14.14 ZAL 53.74 ZAP 17.75 ETS 308.43 ZAE 152.17 ETE 66.77 ZAC 99.98 ETC 17.89 CLP -10.84

PLANETOCENTRIC CONIC
 C3 25.468 VHL 5.047 DLA -18.73 RAL 158.72 RAD 6568.0 VEL 12.118 PTH 2.17 VHP 7.863 DPA 23.58 RAP 169.56 ECC 1.4191
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 10 13 1647.25 -2.98 8.12 23.26 118.17 10 37 40 1047.3 .81 1.49
 90.00 16 57 9 5542.88 28.31 258.00 31.43 90.81 18 29 32 4942.9 28.12 249.34
 100.00 11 20 11 1421.46 -4.37 350.76 22.49 119.60 11 43 53 821.5 -.39 344.23
 100.00 18 29 52 5243.90 29.89 236.02 31.43 89.43 19 57 16 4643.9 29.49 227.23
 110.00 12 3 43 1285.06 -7.84 338.28 20.36 123.38 12 25 8 685.1 -3.39 332.01
 110.00 20 2 49 4953.07 33.85 213.73 31.23 85.77 21 25 22 4353.1 32.99 204.62

DIFFERENTIAL CORRECTIONS
 TOE 1.1169 TRA-1.9259 TC3 .1088 BAU .1135
 ROE .0412 RRA -.3545 RC3 .3151 FAU .03116
 FDE-1.8460 FRA 2.0976 FC3-1.0591 BSP 8690
 BOE 1.1177 BRA 1.9582 BC3 .3333 FSP -865

MID-COURSE EXECUTION ACCURACY
 SGT 2636.4 SGR 532.8 SG3 297.5
 RRT .7655 RRF -.8211 RTF -.9452
 SGB 2689.7 R23 -.1327 R13 -.9480
 SGI 2668.3 SG2 338.7 TMA 8.94

ORBIT DETERMINATION ACCURACY
 ST 1444.9 SR 136.1 SS 1513.4
 CRT .7506 CRS .6413 CST .9880
 LSA 2088.3 MSA 188.4 SSA 14.0
 EL1 1448.5 EL2 89.7 ALF 4.06

LAUNCH DATE APR 28 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC
 RL 150.60 LAL .00 LOL 217.03 VL 26.555 GAL 7.19 AZL 95.01 HCA 137.91 SMA 125.53 ECC .23444 INC 5.0097 V1 29.586
 RP 108.74 LAP -3.36 LOP 355.03 VP 37.199 GAP -11.20 AZP 86.28 TAL 154.92 TAP 292.83 RCA 96.10 APO 154.95 V2 34.851
 RC 45.690 GL -27.59 GP 15.77 ZAL 54.68 ZAP 20.11 ETS 309.75 ZAE 149.99 ETE 63.69 ZAC 98.21 ETC 17.63 CLP -12.63

PLANETOCENTRIC CONIC
 C3 24.673 VHL 4.967 DLA -20.49 RAL 157.61 RAD 6568.0 VEL 12.085 PTH 2.16 VHP 7.521 DPA 24.53 RAP 171.63 ECC 1.4061
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 25 27 1566.49 -.58 3.61 22.23 118.31 10 51 34 966.5 3.41 356.98
 90.00 16 33 4 5608.02 28.15 262.76 30.42 93.19 18 6 32 5008.0 28.30 254.10
 100.00 11 33 22 1347.29 -1.86 346.60 21.41 119.84 11 55 50 747.3 2.12 340.16
 100.00 18 7 50 5302.44 29.85 240.37 30.51 91.72 19 36 12 4702.4 29.77 231.56
 110.00 12 13 2 1223.02 -5.50 335.00 19.15 123.79 12 33 25 623.0 -1.02 328.77
 110.00 19 44 40 4999.48 34.13 217.34 30.49 87.91 21 8 0 4399.5 33.46 208.16

DIFFERENTIAL CORRECTIONS
 TOE 1.1611 TRA-1.8874 TC3 .1513 BAU .1243
 ROE .1061 RRA -.3764 RC3 .3450 FAU .03293
 FDE-2.0346 FRA 2.1798 FC3-1.1556 BSP 8973
 BOE 1.1659 BRA 1.9246 BC3 .3767 FSP -950

MID-COURSE EXECUTION ACCURACY
 SGT 2686.7 SGR 589.3 SG3 323.6
 RRT .8164 RRF -.8720 RTF -.9494
 SGB 2750.5 R23 -.1465 R13 -.9529
 SGI 2730.1 SG2 334.9 TMA 10.31

ORBIT DETERMINATION ACCURACY
 ST 1509.9 SR 185.5 SS 1612.4
 CRT .9314 CRS .8679 CST .9888
 LSA 2209.2 MSA 183.2 SSA 13.1
 EL1 1519.8 EL2 67.1 ALF 6.54

LAUNCH DATE APR 28 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC
 RL 150.60 LAL .00 LOL 217.03 VL 26.644 GAL 6.94 AZL 95.29 HCA 141.08 SMA 126.09 ECC .22767 INC 5.2926 V1 29.586
 RP 108.71 LAP -3.32 LOP 358.23 VP 37.271 GAP -10.54 AZP 85.88 TAL 154.90 TAP 295.99 RCA 97.38 APO 154.79 V2 34.860
 RC 46.700 GL -29.78 GP 17.70 ZAL 55.75 ZAP 22.72 ETS 310.53 ZAE 147.64 ETE 61.49 ZAC 96.44 ETC 17.36 CLP -14.49

PLANETOCENTRIC CONIC
 C3 24.133 VHL 4.913 DLA -22.37 RAL 156.37 RAD 6568.0 VEL 12.063 PTH 2.16 VHP 7.204 DPA 25.75 RAP 173.78 ECC 1.3972
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 43 59 1476.08 2.54 358.57 21.46 118.21 11 8 35 876.1 6.29 351.90
 90.00 16 4 41 5687.56 27.71 268.54 29.42 96.05 17 39 29 5087.6 28.26 259.92
 100.00 11 49 3 1266.08 .89 342.22 20.54 119.88 12 10 9 666.1 4.86 335.68
 100.00 17 42 19 5372.79 29.59 245.58 29.61 94.45 19 11 51 4772.8 29.89 236.79
 110.00 12 23 42 1157.46 -3.01 331.56 18.11 124.07 12 42 59 557.5 1.49 325.35
 110.00 19 24 9 5054.18 34.18 221.61 29.85 90.43 20 48 23 4454.2 33.86 212.38

DIFFERENTIAL CORRECTIONS
 TOE 1.2131 TRA-1.8471 TC3 .1906 BAU .1363
 ROE .1830 RRA -.4051 RC3 .3770 FAU .03470
 FDE-2.2510 FRA 2.2599 FC3-1.2447 BSP 9250
 BOE 1.2268 BRA 1.8910 BC3 .4224 FSP -1042

MID-COURSE EXECUTION ACCURACY
 SGT 2732.0 SGR 666.2 SG3 351.1
 RRT .8580 RRF -.9123 RTF -.9533
 SGB 2812.1 R23 -.1593 R13 -.9577
 SGI 2792.1 SG2 334.8 TMA 11.99

ORBIT DETERMINATION ACCURACY
 ST 1578.0 SR 263.0 SS 1718.7
 CRT .9859 CRS .9526 CST .9896
 LSA 2341.2 MSA 178.7 SSA 12.2
 EL1 1599.2 EL2 43.5 ALF 9.34

LAUNCH DATE APR 28 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC
 RL 150.60 LAL .00 LOL 217.03 VL 26.725 GAL 6.70 AZL 95.62 HCA 144.25 SMA 126.61 ECC .22141 INC 5.6173 V1 29.586
 RP 108.68 LAP -3.28 LOP 1.41 VP 37.339 GAP -9.90 AZP 85.44 TAL 154.92 TAP 299.17 RCA 98.58 APO 154.64 V2 34.870
 RC 47.841 GL -32.12 GP 19.98 ZAL 56.96 ZAP 25.65 ETS 310.85 ZAE 145.10 ETE 60.09 ZAC 94.64 ETC 17.06 CLP -16.41

PLANETOCENTRIC CONIC
 C3 23.875 VHL 4.886 DLA -24.37 RAL 155.00 RAD 6568.0 VEL 12.052 PTH 2.15 VHP 6.917 DPA 27.32 RAP 176.07 ECC 1.3929
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 8 1 1369.40 5.95 352.58 21.05 117.74 11 30 51 769.4 9.62 345.83
 90.00 15 29 39 5788.97 26.77 275.81 28.33 99.58 17 6 8 5189.0 27.82 267.30
 100.00 12 8 34 1173.93 4.01 337.16 19.99 119.65 12 28 8 573.9 7.93 330.56
 100.00 17 11 47 5459.67 28.96 251.96 28.71 97.75 18 42 47 4859.7 29.73 243.24
 110.00 12 36 16 1087.05 -.32 327.88 17.29 124.18 12 54 23 487.1 4.17 321.67
 110.00 19 0 35 5119.31 34.03 226.69 29.29 93.44 20 25 54 4519.3 34.13 217.45

DIFFERENTIAL CORRECTIONS
 TOE 1.2752 TRA-1.8044 TC3 .2255 BAU .1495
 ROE .2766 RRA -.4418 RC3 .4105 FAU .03636
 FDE-2.4982 FRA 2.3325 FC3-1.3185 BSP 9548
 BOE 1.3049 BRA 1.8577 BC3 .4684 FSP -1138

MID-COURSE EXECUTION ACCURACY
 SGT 2771.2 SGR 767.9 SG3 379.2
 RRT .8903 RRF -.9422 RTF -.9570
 SGB 2875.6 R23 -.1694 R13 -.9625
 SGI 2855.5 SG2 339.4 TMA 14.06

ORBIT DETERMINATION ACCURACY
 ST 1649.7 SR 366.7 SS 1831.9
 CRT .9984 CRS .9826 CST .9905
 LSA 2486.2 MSA 174.8 SSA 11.2
 EL1 1689.9 EL2 20.1 ALF 12.52

LAUNCH DATE APR 28 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 357.778

RL 150.60 LAL .00 LOL 217.03 VL 26.800 GAL 6.47 AZL 96.00 HCA 147.42 SMA 127.09 ECC .21562 INC 5.9963 V1 29.586
 RP 108.64 LAP -3.22 LOP 4.60 VP 37.402 GAP -9.27 AZP 84.94 TAL 154.95 TAP 302.37 RCA 99.69 APO 154.50 V2 34.881
 RC 49.103 GL -34.65 GP 22.71 ZAL 58.33 ZAP 28.93 ETS 310.79 ZAE 142.31 ETE 59.40 ZAC 92.80 ETC 16.70 CLP -18.41

PLANETOCENTRIC CONIC

C3 23.943 VML 4.893 DLA -26.50 RAL 153.46 RAD 6568.0 VEL 12.055 PTH 2.15 VMP 6.668 DPA 29.29 RAP 178.54 ECC 1.3940
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 43 50 1227.14 10.37 344.47 21.32 116.50 12 4 17 627.1 13.85 337.52
 90.00 14 41 33 644.58 24.75 307.93 26.90 104.21 14 52 18 44.6 26.46 299.68
 100.00 12 34 59 1061.93 7.75 330.94 19.93 118.96 12 52 41 461.9 11.55 324.22
 100.00 16 33 5 5573.06 27.64 260.13 27.65 101.86 18 5 58 4973.1 29.00 251.59
 110.00 12 51 41 1009.50 2.65 323.84 16.79 124.09 13 8 31 409.5 7.10 317.58
 110.00 18 32 52 5198.26 33.54 232.80 28.78 97.02 19 59 30 4598.3 34.15 223.61

DIFFERENTIAL CORRECTIONS

TDE 1.3541 TRA-1.7559 TC3 .2606 BAU .1652
 RDE .3940 RRA -.4872 RC3 .4456 FAU .03795
 FDE-2.7810 FRA 2.3872 FC3-1.3723 BSP 9953
 BOE 1.4103 BRA 1.8222 BC3 .5162 FSP -1242

MID-COURSE EXECUTION ACCURACY

SGT 2803.1 SGR 899.6 SG3 406.8
 RRT .9149 RRF -.9631 RTF -.9610
 SGB 2944.0 R23 -.1735 R13 -.9678
 SG1 2923.3 SG2 348.2 TMA 16.61

ORBIT DETERMINATION ACCURACY

ST 1728.9 SR 499.6 SS 1952.3
 CRT .9996 CRS .9935 CST .9916
 LSA 2649.7 MSA 170.4 SSA 10.0
 EL1 1799.6 EL2 13.3 ALF 16.11

LAUNCH DATE APR 28 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 364.444

RL 150.60 LAL .00 LOL 217.03 VL 26.868 GAL 6.27 AZL 96.45 HCA 150.59 SMA 127.54 ECC .21032 INC 6.4475 V1 29.586
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.461 GAP -8.67 AZP 84.38 TAL 154.98 TAP 305.58 RCA 100.72 APO 154.37 V2 34.891
 RC 50.476 GL -37.37 GP 25.97 ZAL 59.85 ZAP 32.63 ETS 310.40 ZAE 139.19 ETE 59.32 ZAC 90.90 ETC 16.26 CLP -20.48

PLANETOCENTRIC CONIC

C3 24.419 VML 4.942 DLA -28.78 RAL 151.73 RAD 6568.0 VEL 12.075 PTH 2.16 VMP 6.466 DPA 31.75 RAP 181.30 ECC 1.4019
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.61 12 20 50 1086.27 18.72 338.10 23.64 112.27 12 38 56 486.3 21.58 330.56
 95.39 13 50 47 795.10 18.73 316.77 23.64 112.27 14 4 2 195.1 21.59 309.23
 100.00 13 18 53 897.84 13.01 321.61 20.91 117.15 13 33 51 297.8 16.55 314.60
 100.00 15 35 25 5746.81 24.63 272.15 25.94 107.49 17 11 12 5146.8 26.79 264.02
 110.00 13 11 46 920.27 6.04 319.15 16.76 123.71 13 27 6 320.3 10.43 312.81
 110.00 17 59 2 5297.14 32.46 240.32 28.23 101.34 19 27 20 4697.1 33.69 231.30

DIFFERENTIAL CORRECTIONS

TDE 1.3813 TRA-1.7739 TC3 .1730 BAU .1607
 RDE .5339 RRA -.5548 RC3 .4610 FAU .03803
 FDE-3.0316 FRA 2.4848 FC3-1.2773 BSP 8751
 BOE 1.4809 BRA 1.8586 BC3 .4924 FSP -1207

MID-COURSE EXECUTION ACCURACY

SGT 2846.3 SGR 1062.8 SG3 429.9
 RRT .9229 RRF -.9765 RTF -.9575
 SGB 3038.3 R23 -.1979 R13 -.9674
 SG1 3013.6 SG2 386.5 TMA 19.35

ORBIT DETERMINATION ACCURACY

ST 1749.5 SR 657.1 SS 2039.7
 CRT .9972 CRS .9976 CST .9901
 LSA 2760.1 MSA 186.9 SSA 8.9
 EL1 1868.3 EL2 45.8 ALF 20.55

LAUNCH DATE APR 28 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 371.087

RL 150.60 LAL .00 LOL 217.03 VL 26.930 GAL 6.08 AZL 97.00 HCA 153.77 SMA 127.95 ECC .20543 INC 6.9976 V1 29.586
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.516 GAP -8.07 AZP 83.72 TAL 155.04 TAP 308.81 RCA 101.67 APO 154.24 V2 34.903
 RC 51.950 GL -40.32 GP 29.91 ZAL 61.58 ZAP 36.85 ETS 309.73 ZAE 135.63 ETE 59.77 ZAC 88.91 ETC 15.68 CLP -22.61

PLANETOCENTRIC CONIC

C3 25.420 VML 5.042 DLA -31.23 RAL 149.76 RAD 6568.0 VEL 12.116 PTH 2.17 VMP 6.327 DPA 34.79 RAP 184.48 ECC 1.4184
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.24 11 8 56 1300.75 19.94 354.60 23.00 114.55 11 30 36 700.7 23.08 347.11
 103.76 14 46 58 600.41 19.95 302.87 23.01 114.54 14 56 58 .4 23.09 295.38
 76.24 11 8 56 1300.75 19.94 354.60 23.00 114.55 11 30 36 700.7 23.08 347.11
 103.76 14 46 58 600.41 19.95 302.87 23.01 114.54 14 56 58 .4 23.09 295.38
 110.00 13 40 48 807.17 10.26 313.12 17.54 122.79 13 54 15 207.2 14.51 306.60
 110.00 17 14 17 5430.03 30.27 250.04 27.29 106.71 18 44 47 4830.0 32.25 241.39

DIFFERENTIAL CORRECTIONS

TDE 1.5193 TRA-1.7048 TC3 .2178 BAU .1829
 RDE .7318 RRA -.6196 RC3 .4923 FAU .03700
 FDE-3.3828 FRA 2.4557 FC3-1.2600 BSP 9686
 BOE 1.6863 BRA 1.8139 BC3 .5383 FSP -1324

MID-COURSE EXECUTION ACCURACY

SGT 2857.0 SGR 1271.2 SG3 449.3
 RRT .9390 RRF -.9855 RTF -.9632
 SGB 3127.0 R23 -.1821 R13 -.9747
 SG1 3101.0 SG2 402.7 TMA 23.09

ORBIT DETERMINATION ACCURACY

ST 1855.5 SR 867.6 SS 2168.5
 CRT .9962 CRS .9992 CST .9921
 LSA 2977.7 MSA 177.6 SSA 7.8
 EL1 2047.2 EL2 68.6 ALF 25.01

LAUNCH DATE APR 28 1967

FLIGHT TIME 148.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 377.712

RL 150.60 LAL .00 LOL 217.03 VL 26.987 GAL 5.91 AZL 97.69 HCA 156.94 SMA 128.33 ECC .20098 INC 7.6873 V1 29.586
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.567 GAP -7.49 AZP 82.92 TAL 155.10 TAP 312.04 RCA 102.54 APO 154.12 V2 34.914
 RC 53.515 GL -43.53 GP 34.66 ZAL 63.52 ZAP 41.67 ETS 308.81 ZAE 131.44 ETE 60.59 ZAC 86.79 ETC 14.88 CLP -24.75

PLANETOCENTRIC CONIC

C3 27.178 VML 5.213 DLA -33.86 RAL 147.49 RAD 6568.1 VEL 12.188 PTH 2.19 VMP 6.276 DPA 38.51 RAP 188.34 ECC 1.4473
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.60 10 22 53 1482.25 20.99 5.20 22.62 117.21 10 46 45 832.3 24.46 357.80
 109.40 15 14 55 5790.09 21.00 273.79 22.62 117.20 16 51 25 5190.1 24.47 266.39
 70.60 10 22 53 1482.25 20.99 5.20 22.62 117.21 10 46 45 832.3 24.46 357.80
 109.40 15 14 55 5790.09 21.00 273.79 22.62 117.20 16 51 25 5190.1 24.47 266.39
 110.00 14 43 10 5887.07 17.65 279.43 20.70 119.76 16 21 17 5287.1 21.47 272.38
 110.00 15 53 49 5671.30 24.41 266.34 24.42 114.71 17 28 20 5071.3 27.53 258.56

DIFFERENTIAL CORRECTIONS

TDE 1.6753 TRA-1.6528 TC3 .2210 BAU .2012
 RDE .9933 RRA -.6970 RC3 .5077 FAU .03595
 FDE-3.7224 FRA 2.3791 FC3-1.1451 BSP 10320
 BOE 1.9476 BRA 1.7935 BC3 .5537 FSP -1381

MID-COURSE EXECUTION ACCURACY

SGT 2868.3 SGR 1524.1 SG3 457.8
 RRT .9492 RRF -.9909 RTF -.9669
 SGB 3248.1 R23 -.1660 R13 -.9805
 SG1 3219.9 SG2 427.1 TMA 27.29

ORBIT DETERMINATION ACCURACY

ST 1954.7 SR 1126.3 SS 2277.0
 CRT .9955 CRS .9998 CST .9933
 LSA 3200.6 MSA 173.7 SSA 6.7
 EL1 2254.0 EL2 92.3 ALF 29.89

LAUNCH DATE APR 28 1967

FLIGHT TIME 150.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

REL 150.60 LAL .00 LOL 217.03 VL 27.03H GAL 5.75 AZL 98.58 HCA 160.11 SMA 128.6H ECC .19695 INC 8.5840 V1 29.586
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.615 GAP -6.93 A7P 81.92 TAL 155.17 TAP 315.27 RCA 103.33 APO 154.02 V2 34.926
 RC 55.163 GL -47.04 GP 40.38 ZAL 65.71 ZAP 47.17 ETS 307.65 ZAE 126.45 ETE 61.56 ZAC 84.51 ETC 15.69 CLP -26.84

PLANETOCENTRIC CONIC

C3 30.105 VHL 5.487 DLA -36.68 RAL 144.83 RAD 6568.2 VEL 12.308 PTH 2.22 VHP 6.359 DPA 42.93 RAP 193.26 ECC 1.4955
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 65.64 9 44 2 1542.77 21.71 14.38 22.51 120.33 10 9 45 942.8 25.57 7.14
 114.36 15 32 34 5730.66 21.72 269.52 22.52 120.32 17 8 5 5130.7 25.58 262.28
 65.64 9 44 2 1542.77 21.71 14.38 22.51 120.33 10 9 45 942.8 25.57 7.14
 114.36 15 32 34 5730.66 21.72 269.52 22.52 120.32 17 8 5 5130.7 25.58 262.28
 65.64 9 44 2 1542.77 21.71 14.38 22.51 120.33 10 9 45 942.8 25.57 7.14
 114.36 15 32 34 5730.66 21.72 269.52 22.52 120.32 17 8 5 5130.7 25.58 262.28

DIFFERENTIAL CORRECTIONS

TDE 1.8754 TRA-1.6159 TC3 .1916 BAU .2143
 RDE 1.3462 RRA -.7836 RC3 .4967 FAU .03242
 FDE-4.0169 FRA 2.2283 FC3 -.9324 BSP 10786
 BDE 2.3086 BRA 1.7959 BC3 .5324 FSP -1363

MID-COURSE EXECUTION ACCURACY

SGT 2882.1 SGR 1820.5 SG3 449.5
 RRT .9557 RRF -.9941 RTF -.9695
 SGB 3408.9 R23 -.1480 R13 -.9853
 SG1 3378.1 SG2 457.3 THA 31.77

ORBIT DETERMINATION ACCURACY

ST 2057.6 SR 1438.8 SS 2353.8
 CRT .9952 CRS .9999 CST .9943
 LSA 3437.2 MSA 172.9 SSA 5.7
 EL1 2508.1 EL2 115.2 ALF 34.92

LAUNCH DATE APR 28 1967

FLIGHT TIME 152.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

REL 150.60 LAL .00 LOL 217.03 VL 27.084 GAL 5.61 AZL 99.81 HCA 163.27 SMA 128.99 ECC .19332 INC 9.8051 V1 29.586
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.660 GAP -6.38 A7P 80.60 TAL 155.23 TAP 318.50 RCA 104.05 APO 153.92 V2 34.938
 RC 56.885 GL -50.87 GP 47.20 ZAL 68.22 ZAP 53.41 ETS 306.20 ZAE 120.44 ETE 62.31 ZAC 82.00 ETC 11.83 CLP -28.68

PLANETOCENTRIC CONIC

C3 35.020 VHL 5.918 DLA -39.67 RAL 141.65 RAD 6568.4 VEL 12.506 PTH 2.26 VHP 6.652 DPA 47.99 RAP 199.93 ECC 1.5763
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 60.97 9 8 9 1648.04 21.85 23.14 22.72 123.97 9 35 37 1048.0 26.15 16.17
 119.03 15 43 5 5701.53 21.86 267.22 22.73 123.97 17 18 6 5101.5 26.16 260.24
 60.97 9 8 9 1648.04 21.85 23.14 22.72 123.97 9 35 37 1048.0 26.15 16.17
 119.03 15 43 5 5701.53 21.86 267.22 22.73 123.97 17 18 6 5101.5 26.16 260.24
 60.97 9 8 9 1648.04 21.85 23.14 22.72 123.97 9 35 37 1048.0 26.15 16.17
 119.03 15 43 5 5701.53 21.86 267.22 22.73 123.97 17 18 6 5101.5 26.16 260.24

DIFFERENTIAL CORRECTIONS

TDE 2.1770 TRA-1.5876 TC3 .1511 BAU .2227
 RDE 1.8341 RRA -.8640 RC3 .4511 FAU .02659
 FDE-4.2226 FRA 1.9670 FC3 -.6574 BSP 11482
 BDE 2.8466 BRA 1.8074 BC3 .4757 FSP -1280

MID-COURSE EXECUTION ACCURACY

SGT 2909.0 SGR 2149.3 SG3 418.3
 RRT .9610 RRF -.9960 RTF -.9725
 SGB 3616.9 R23 -.1259 R13 -.9895
 SG1 3584.6 SG2 482.3 THA 36.13

ORBIT DETERMINATION ACCURACY

ST 2191.3 SR 1805.5 SS 2388.3
 CRT .9954 CRS 1.0000 CST .9953
 LSA 3706.2 MSA 170.9 SSA 4.8
 EL1 2836.2 EL2 133.1 ALF 39.46

LAUNCH DATE APR 28 1967

FLIGHT TIME 154.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

REL 150.60 LAL .00 LOL 217.03 VL 27.126 GAL 5.49 AZL 101.58 HCA 166.43 SMA 129.27 ECC .19008 INC 11.5772 V1 29.586
 RP 108.43 LAP -2.70 LOP 23.72 VP 37.701 GAP -5.85 A7P 78.74 TAL 155.28 TAP 321.70 RCA 104.70 APO 153.84 V2 34.951
 RC 58.673 GL -55.01 GP 55.20 ZAL 71.11 ZAP 60.32 ETS 304.04 ZAE 113.23 ETE 62.10 ZAC 79.21 ETC 8.60 CLP -29.80

PLANETOCENTRIC CONIC

C3 43.749 VHL 6.614 DLA -42.76 RAL 137.75 RAD 6568.7 VEL 12.850 PTH 2.34 VHP 7.306 DPA 53.36 RAP 209.55 ECC 1.7200
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 56.51 8 33 9 1758.10 20.99 31.96 23.23 128.15 9 2 27 1158.1 25.78 25.40
 123.49 15 46 57 5703.86 21.00 266.74 23.24 128.15 17 22 1 5103.9 25.79 260.18
 56.51 8 33 9 1758.10 20.99 31.96 23.23 128.15 9 2 27 1158.1 25.78 25.40
 123.49 15 46 57 5703.86 21.00 266.74 23.24 128.15 17 22 1 5103.9 25.79 260.18
 56.51 8 33 9 1758.10 20.99 31.96 23.23 128.15 9 2 27 1158.1 25.78 25.40
 123.49 15 46 57 5703.86 21.00 266.74 23.24 128.15 17 22 1 5103.9 25.79 260.18

DIFFERENTIAL CORRECTIONS

TDE 2.6757 TRA-1.5888 TC3 .0942 BAU .2147
 RDE 2.5052 RRA -.9114 RC3 .3547 FAU .01801
 FDE-4.2591 FRA 1.6002 FC3 -.3564 BSP 12277
 BDE 3.6655 BRA 1.8317 BC3 .3670 FSP -1107

MID-COURSE EXECUTION ACCURACY

SGT 2983.6 SGR 2467.0 SG3 360.4
 RRT .9652 RRF -.9969 RTF -.9762
 SGB 3871.4 R23 -.1035 R13 -.9929
 SG1 3838.8 SG2 501.5 THA 39.39

ORBIT DETERMINATION ACCURACY

ST 2385.1 SR 2194.0 SS 2356.1
 CRT .9959 CRS 1.0000 CST .9963
 LSA 4003.1 MSA 168.7 SSA 3.9
 EL1 3237.4 EL2 146.2 ALF 42.60

LAUNCH DATE APR 28 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

REL 150.60 LAL .00 LOL 217.03 VL 27.163 GAL 5.38 AZL 104.40 HCA 169.57 SMA 129.52 ECC .18724 INC 14.3967 V1 29.586
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.740 GAP -5.34 A7P 75.83 TAL 155.30 TAP 324.87 RCA 105.27 APO 153.78 V2 34.964
 RC 60.521 GL -59.35 GP 64.35 ZAL 74.44 ZAP 67.69 ETS 299.47 ZAE 104.66 ETE 58.88 ZAC 76.01 ETC 1.98 CLP -28.71

PLANETOCENTRIC CONIC

C3 61.087 VHL 7.816 DLA -45.71 RAL 132.89 RAD 6569.1 VEL 13.507 PTH 2.47 VHP 8.641 DPA 58.11 RAP 223.99 ECC 2.0053
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.48 7 58 3 1882.33 18.42 40.92 23.91 132.61 8 29 26 1282.3 23.73 34.92
 127.52 15 43 16 5745.22 18.44 268.18 23.93 132.60 17 19 1 5145.2 23.74 262.17
 52.48 7 58 3 1882.33 18.42 40.92 23.91 132.61 8 29 26 1282.3 23.73 34.92
 127.52 15 43 16 5745.22 18.44 268.18 23.93 132.60 17 19 1 5145.2 23.74 262.17
 52.48 7 58 3 1882.33 18.42 40.92 23.91 132.61 8 29 26 1282.3 23.73 34.92
 127.52 15 43 16 5745.22 18.44 268.18 23.93 132.60 17 19 1 5145.2 23.74 262.17

DIFFERENTIAL CORRECTIONS

TDE 3.6708 TRA-1.6632 TC3 .0240 BAU .1671
 RDE 3.3647 RRA -.8466 RC3 .2032 FAU .00722
 FDE-4.0694 FRA 1.1687 FC3 -.1023 BSP 13140
 BDE 4.9795 BRA 1.8663 BC3 .2046 FSP -854

MID-COURSE EXECUTION ACCURACY

SGT 3208.1 SGR 2641.0 SG3 279.0
 RRT .9680 RRF -.9965 RTF -.9822
 SGB 4155.3 R23 -.0815 R13 -.9956
 SG1 4123.2 SG2 515.7 THA 39.28

ORBIT DETERMINATION ACCURACY

ST 2741.5 SR 2481.0 SS 2244.0
 CRT .9964 CRS .9999 CST .9976
 LSA 4321.9 MSA 166.9 SSA 3.0
 EL1 3694.1 EL2 155.7 ALF 42.13

LAUNCH DATE APR 24 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 410.411

RL 150.60 LAL .00 LOL 217.03 VL 27.196 GAL 5.31 AZL 109.59 HCA 172.66 SMA 129.75 ECC .18442 INC19.5460 V1 29.586
 RP 108.35 LAP -2.45 LOP 30.11 VP 37.775 GAP -4.85 AZP 70.56 TAL 155.28 TAP 327.95 RCA 105.77 APO 153.73 V2 34.977
 RC 62.420 GL -63.32 GP 74.23 ZAL 78.29 ZAP 75.09 ETS 282.89 ZAE 94.44 ETE 42.85 ZAC 72.01 ETC 342.00 CLP -18.71

PLANETOCENTRIC CONIC

C3 103.219 VML 10.160 CLA -47.83 RAL 126.92 RAD 6570.0 VEL 14.985 PTH 2.70 VMP 11.496 DPA 60.24 RAP 244.89 ECC 2.6987
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.69 7 24 18 2027.29 13.27 49.44 24.57 136.39 7 5H 6 1427.3 18.99 44.03
 130.31 15 29 23 5840.06 13.28 271.92 24.59 136.39 17 6 43 5240.1 19.00 266.51
 49.69 7 24 18 2027.29 13.27 49.44 24.57 136.39 7 5H 6 1427.3 18.99 44.03
 130.31 15 29 23 5840.06 13.28 271.92 24.59 136.39 17 6 43 5240.1 19.00 266.51
 49.69 7 24 18 2027.29 13.27 49.44 24.57 136.39 7 5H 6 1427.3 18.99 44.03
 130.31 15 29 23 5840.06 13.28 271.92 24.59 136.39 17 6 43 5240.1 19.00 266.51

DIFFERENTIAL CORRECTIONS

TDE 6.3176 TRA -1.9179 TC3 -.0755 BAU .1163
 RDE 3.6389 RRA -.2883 RC3 .0374 FAU-.00491
 FDE -3.6942 FRA .7671 FC3 .0412 BSP 13872
 BDE 7.2906 BRA 1.9394 BC3 .0843 FSP -570

MID-COURSE EXECUTION ACCURACY

SGT 3913.2 SGR 2067.8 SG3 188.6
 RRT .9504 RRF -.9806 RTF -.9922
 SGB 4425.9 R23 -.0541 R13 -.9981
 SGI 4388.6 SG2 573.7 TMA 27.17

ORBIT DETERMINATION ACCURACY

ST 3595.5 SR 2053.5 SS 2078.2
 CRT .9951 CRS .9984 CST .9991
 LSA 4629.3 MSA 180.3 SSA 1.7
 EL1 4136.7 EL2 177.3 ALF 29.67

LAUNCH DATE APR 24 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 416.664

RL 150.60 LAL .00 LOL 217.03 VL 27.224 GAL 5.27 AZL 121.97 HCA 175.62 SMA 129.95 ECC .18299 INC31.9712 V1 29.586
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.808 GAP -4.41 AZP 58.10 TAL 155.14 TAP 330.75 RCA 106.17 APO 153.73 V2 34.990
 RC 64.367 GL -64.34 GP 79.50 ZAL 82.61 ZAP 81.85 ETS 212.26 ZAE 80.98 ETE 332.29 ZAC 65.57 ETC 265.75 CLP 38.87

PLANETOCENTRIC CONIC

C3 253.605 VML 15.925 CLA -46.59 RAL 120.78 RAD 6571.5 VEL 19.363 PTH 3.10 VMP 18.831 DPA 55.77 RAP 270.07 ECC 5.1737
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.32 7 5 32 2168.77 5.39 54.63 25.65 136.35 7 41 41 1568.8 11.15 49.42
 128.68 14 59 11 722.10 5.41 301.95 25.66 136.35 15 11 13 122.1 11.16 296.75
 51.32 7 5 32 2168.77 5.39 54.63 25.65 136.35 7 41 41 1568.8 11.15 49.42
 128.68 14 59 11 722.10 5.41 301.95 25.66 136.35 15 11 13 122.1 11.16 296.75
 51.32 7 5 32 2168.77 5.39 54.63 25.65 136.35 7 41 41 1568.8 11.15 49.42
 128.68 14 59 11 722.10 5.41 301.95 25.66 136.35 15 11 13 122.1 11.16 296.75

DIFFERENTIAL CORRECTIONS

TDE10.5703 TRA -.7465 TC3 -.1741 BAU .8370
 RDE -5.8800 RRA 2.1970 RC3 .1750 FAU-.02157
 FDE -3.4691 FRA .5481 FC3 .0736 BSP 14052
 BDE12.0957 BRA 2.3204 BC3 .2469 FSP -334

MID-COURSE EXECUTION ACCURACY

SGT 3863.1 SGR 2471.7 SG3 112.5
 RRT -.9221 RRF .9637 RTF -.9919
 SGB 4586.1 R23 -.0156 R13 .9999
 SGI 4512.4 SG2 819.0 TMA 148.30

ORBIT DETERMINATION ACCURACY

ST 3804.9 SR 2143.6 SS 2035.5
 CRT -.9914 CRS -.9957 CST .9993
 LSA 4812.0 MSA 244.5 SSA .7
 EL1 4360.3 EL2 244.2 ALF 150.71

LAUNCH DATE APR 24 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 421.934

RL 150.60 LAL .00 LOL 217.03 VL 27.250 GAL 5.42 AZL 166.54 HCA 177.76 SMA 130.12 ECC .18295 INC76.5383 V1 29.586
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.838 GAP -4.22 AZP 13.47 TAL 154.33 TAP 332.09 RCA 106.32 APO 153.93 V2 35.003
 RC 66.356 GL -48.47 GP 55.76 ZAL 86.55 ZAP 86.67 ETS 180.82 ZAE 55.02 ETE 305.65 ZAC 49.52 ETC 218.73 CLP 84.08

PLANETOCENTRIC CONIC

C31241.906 VML 35.241 CLA -29.44 RAL 120.78 RAD 6573.1 VEL 36.921 PTH 3.54 VMP 43.865 DPA 32.58 RAP 293.27 ECC21.4386
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.57 9 53 6 1793.58 -.51 20.22 31.67 119.44 10 23 0 1193.6 3.41 13.66
 98.43 12 11 37 1346.15 -.50 347.37 31.68 119.44 12 34 3 746.1 3.43 340.81
 100.00 11 40 16 1446.57 -5.21 352.15 29.02 119.48 12 4 22 846.6 -1.24 345.60
 100.00 13 7 9 1168.38 4.20 336.85 34.34 119.62 13 26 37 568.4 8.11 330.25
 110.00 11 17 11 1519.27 -16.31 351.13 22.52 120.47 11 42 31 919.3 -12.14 344.50
 110.00 15 46 42 668.46 15.26 305.48 40.88 120.97 15 57 51 68.5 19.25 298.64

DIFFERENTIAL CORRECTIONS

TDE 8.4010 TRA 1.3238 TC3 -.1254 BAU 5.1911
 RD-17.9321 RRA 5.2491 RC3 .2864 FAU-.09293
 FDE -4.2359 FRA 1.1417 FC3 .0648 BSP 10969
 BDE19.8025 BRA 5.4134 BC3 .3127 FSP -204

MID-COURSE EXECUTION ACCURACY

SGT 1645.6 SGR 3679.0 SG3 73.7
 RRT -.9125 RRF .9997 RTF -.9197
 SGB 4030.3 R23 -.0470 R13 .9987
 SGI 3982.0 SG2 622.1 TMA 112.79

ORBIT DETERMINATION ACCURACY

ST 1368.1 SR 2930.9 SS 2621.9
 CRT -.9881 CRS -1.0000 CST .9892
 LSA 4159.1 MSA 195.4 SSA 1.7
 EL1 3228.8 EL2 191.4 ALF 114.85

LAUNCH DATE APR 24 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 431.284

RL 150.60 LAL .00 LOL 217.03 VL 27.271 GAL 4.86 AZL 52.85 HCA 183.36 SMA 130.28 ECC .17708 INC37.1515 V1 29.586
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.866 GAP -3.03 AZP 127.10 TAL 156.26 TAP 339.62 RCA 107.21 APO 153.35 V2 35.016
 RC 68.382 GL 63.62 GP -75.58 ZAL 84.18 ZAP 85.96 ETS 151.59 ZAE 85.48 ETE 37.42 ZAC 91.40 ETC 104.45 CLP 73.57

PLANETOCENTRIC CONIC

C3 335.559 VML 18.318 CLA 69.23 RAL 195.65 RAD 6571.9 VEL 21.374 PTH 3.21 VMP 25.006 DPA -78.74 RAP 77.49 ECC 6.5225
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 23.76 22 47 7 4997.75 -4.79 244.96 103.84 20.85 24 10 24 4397.8 -12.26 242.47
 156.24 9 14 54 3249.47 -4.78 95.86 103.82 20.85 10 9 3 2649.5 -12.25 93.37
 23.76 22 47 7 4997.75 -4.79 244.96 103.84 20.85 24 10 24 4397.8 -12.26 242.47
 156.24 9 14 54 3249.47 -4.78 95.86 103.82 20.85 10 9 3 2649.5 -12.25 93.37
 23.76 22 47 7 4997.75 -4.79 244.96 103.84 20.85 24 10 24 4397.8 -12.26 242.47
 156.24 9 14 54 3249.47 -4.78 95.86 103.82 20.85 10 9 3 2649.5 -12.25 93.37

DIFFERENTIAL CORRECTIONS

TDE -.3867 TRA -3.5462 TC3 -.1995 BAU 1.3137
 RDE 2.3404 RRA -3.8636 RC3 -.2144 FAU-.02426
 FDE -.3712 FRA 1.1701 FC3 .0626 BSP 14252
 BDE 2.3722 BRA 5.2443 BC3 .2928 FSP -280

MID-COURSE EXECUTION ACCURACY

SGT 3213.8 SGR 3572.3 SG3 91.9
 RRT .9704 RRF -.9953 RTF -.9891
 SGB 4805.2 R23 -.0120 R13 -.9999
 SGI 4769.8 SG2 581.6 TMA 48.12

ORBIT DETERMINATION ACCURACY

ST 946.2 SR 1257.5 SS 714.5
 CRT .7320 CRS .9657 CST .8838
 LSA 1638.5 MSA 549.8 SSA .6
 EL1 1474.5 EL2 549.7 ALF 55.75

LAUNCH DATE APR 28 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 437.306

RL 150.60 LAL .00 LOL 217.03 VL 27.290 GAL 4.90 AZL 72.30 MCA 186.17 SMA 130.40 ECC .17642 INC17.7009 V1 29.586
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.892 GAP -2.66 AZP 107.60 TAL 155.93 TAP 342.10 RCA 107.40 APO 153.41 V2 35.029
 RC 70.443 GL 63.44 GP -83.17 ZAL 78.27 ZAP 83.44 ETS 60.54 ZAE 100.37 ETE 309.58 ZAC 100.61 ETC 19.40 CLP -16.16

PLANETOCENTRIC CONIC

C3 85.417 VML 9.242 DLA 63.95 RAL 203.71 RAD 6569.7 VEL 14.379 PTH 2.61 VMP 13.310 DPA -66.95 RAP 114.64 ECC 2.4058
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 29.93 23 33 10 4746.15 -18.66 234.85 104.22 27.62 24 52 17 4146.2 -25.70 231.16
 150.07 9 33 11 3038.59 -18.65 92.54 104.20 27.62 10 23 50 2438.6 -25.69 88.85
 29.93 23 33 10 4746.15 -18.66 234.85 104.22 27.62 24 52 17 4146.2 -25.70 231.16
 150.07 9 33 11 3038.59 -18.65 92.54 104.20 27.62 10 23 50 2438.6 -25.69 88.85
 29.93 23 33 10 4746.15 -18.66 234.85 104.22 27.62 24 52 17 4146.2 -25.70 231.16
 150.07 9 33 11 3038.59 -18.65 92.54 104.20 27.62 10 23 50 2438.6 -25.69 88.85

DIFFERENTIAL CORRECTIONS

TOE 2.0651 TRA-2.3054 TC3 -.0403 BAU .0890
 RDE -.6180 RRA 2.5171 RC3 -.0667 FAU .00278
 FDE -.7282 FRA 1.2501 FC3 -.0282 BSP 15435
 BDE 2.1556 BRA 3.4133 BC3 .0780 FSP -499

MID-COURSE EXECUTION ACCURACY

SGT 3497.6 SGR 3575.5 SG3 157.4
 RRT -.9629 RRF .9898 RTF -.9910
 SGB 5001.8 R23 .0077 R13 .9997
 SGI 4955.2 SG2 680.8 TMA 134.34

ORBIT DETERMINATION ACCURACY

ST 1610.0 SR 1132.6 SS 800.1
 CRT -.8396 CRS -.9355 CST .9774
 LSA 2059.6 MSA 522.5 SSA 1.4
 EL1 1898.0 EL2 521.9 ALF 146.58

LAUNCH DATE APR 28 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 443.616

RL 150.60 LAL .00 LOL 217.03 VL 27.305 GAL 4.90 AZL 79.28 MCA 189.24 SMA 130.51 ECC .17559 INC10.7175 V1 29.586
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.915 GAP -2.22 AZP 100.58 TAL 155.78 TAP 345.02 RCA 107.59 APO 153.43 V2 35.042
 RC 72.534 GL 55.97 GP -76.17 ZAL 72.06 ZAP 82.23 ETS 32.86 ZAE 109.26 ETE 284.48 ZAC 104.96 ETC 357.93 CLP -55.53

PLANETOCENTRIC CONIC

C3 37.266 VML 6.105 DLA 56.61 RAL 196.66 RAD 6568.5 VEL 12.595 PTH 2.28 VMP 9.117 DPA -58.80 RAP 124.21 ECC 1.6133
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 38.70 23 27 7 4503.84 -28.31 219.03 85.88 38.69 24 42 11 3903.8 -34.42 213.40
 141.30 8 42 58 2877.15 -28.30 87.45 85.86 38.69 9 30 56 2277.2 -34.41 81.82
 38.70 23 27 7 4503.84 -28.31 219.03 85.88 38.69 24 42 11 3903.8 -34.42 213.40
 141.30 8 42 58 2877.15 -28.30 87.45 85.86 38.69 9 30 56 2277.2 -34.41 81.82
 38.70 23 27 7 4503.84 -28.31 219.03 85.88 38.69 24 42 11 3903.8 -34.42 213.40
 141.30 8 42 58 2877.15 -28.30 87.45 85.86 38.69 9 30 56 2277.2 -34.41 81.82

DIFFERENTIAL CORRECTIONS

TOE .8773 TRA -.7865 TC3 .0127 BAU .3059
 RDE -.6484 RRA 2.7208 RC3 -.6139 FAU .01872
 FDE -.5807 FRA 1.7181 FC3 -.4350 BSP 15533
 BDE 1.0909 BRA 2.8322 BC3 .6140 FSP -834

MID-COURSE EXECUTION ACCURACY

SGT 1573.9 SGR 4739.1 SG3 261.5
 RRT -.9030 RRF .9985 RTF -.9207
 SGB 4993.6 R23 .0045 R13 .9994
 SGI 4951.5 SG2 647.1 TMA 106.99

ORBIT DETERMINATION ACCURACY

ST 916.5 SR 1519.3 SS 814.7
 CRT -.7621 CRS -.9898 CST .8465
 LSA 1878.3 MSA 532.9 SSA 2.3
 EL1 1692.5 EL2 532.7 ALF 117.66

LAUNCH DATE APR 28 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 449.988

RL 150.60 LAL .00 LOL 217.03 VL 27.317 GAL 4.90 AZL 82.78 MCA 192.39 SMA 130.60 ECC .17492 INC 7.2217 V1 29.586
 RP 108.10 LAP -1.55 LOP 49.32 VP 37.936 GAP -1.77 AZP 97.06 TAL 155.66 TAP 348.05 RCA 107.75 APO 153.44 V2 35.056
 RC 74.652 GL 46.97 GP -69.63 ZAL 66.30 ZAP 82.39 ETS 21.80 ZAE 115.90 ETE 275.40 ZAC 108.09 ETC 352.82 CLP -67.63

PLANETOCENTRIC CONIC

C3 21.908 VML 4.681 DLA 48.54 RAL 189.49 RAD 6567.9 VEL 11.970 PTH 2.13 VMP 7.078 DPA -52.28 RAP 128.85 ECC 1.3605
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 48.77 23 28 53 4303.36 -31.13 200.81 67.26 50.66 24 40 36 3703.4 -35.98 193.58
 131.23 7 43 58 2813.16 -31.12 83.90 67.25 50.65 8 30 52 2213.2 -35.97 76.67
 48.77 23 28 53 4303.36 -31.13 200.81 67.26 50.66 24 40 36 3703.4 -35.98 193.58
 131.23 7 43 58 2813.16 -31.12 83.90 67.25 50.65 8 30 52 2213.2 -35.97 76.67
 48.77 23 28 53 4303.36 -31.13 200.81 67.26 50.66 24 40 36 3703.4 -35.98 193.58
 131.23 7 43 58 2813.16 -31.12 83.90 67.25 50.65 8 30 52 2213.2 -35.97 76.67

DIFFERENTIAL CORRECTIONS

TOE .4927 TRA -.3023 TC3 -.1186 BAU .3878
 RDE -.4039 RRA 2.5194 RC3 -1.3187 FAU .03421
 FDE -.5133 FRA 2.3257 FC3 -1.3518 BSP 15385
 BDE .6371 BRA 2.5375 BC3 1.3240 FSP -1253

MID-COURSE EXECUTION ACCURACY

SGT 829.7 SGR 4844.4 SG3 391.1
 RRT -.6879 RRF .9990 RTF -.7035
 SGB 4915.0 R23 .0079 R13 .9992
 SGI 4878.5 SG2 598.1 TMA 96.82

ORBIT DETERMINATION ACCURACY

ST 626.0 SR 1482.9 SS 877.8
 CRT -.5736 CRS -.9936 CST .6623
 LSA 1764.7 MSA 497.0 SSA 3.3
 EL1 1531.0 EL2 496.6 ALF 105.25

LAUNCH DATE APR 28 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 456.372

RL 150.60 LAL .00 LOL 217.03 VL 27.327 GAL 4.91 AZL 84.87 MCA 195.56 SMA 130.67 ECC .17447 INC 5.1272 V1 29.586
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.955 GAP -1.32 AZP 94.94 TAL 155.53 TAP 351.09 RCA 107.87 APO 153.46 V2 35.069
 RC 76.795 GL 38.10 GP -64.05 ZAL 61.42 ZAP 83.76 ETS 14.12 ZAE 121.24 ETE 268.83 ZAC 110.84 ETC 350.70 CLP -75.63

PLANETOCENTRIC CONIC

C3 15.553 VML 3.944 DLA 40.54 RAL 183.93 RAD 6567.6 VEL 11.702 PTH 2.06 VMP 5.906 DPA -46.61 RAP 131.31 ECC 1.2560
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.69 23 49 8 4111.33 -29.41 181.98 52.70 60.75 24 57 39 3511.3 -33.07 174.07
 120.31 6 39 22 2844.73 -29.40 85.41 52.69 60.73 7 26 47 2244.7 -33.05 77.50
 59.69 23 49 8 4111.33 -29.41 181.98 52.70 60.75 24 57 39 3511.3 -33.07 174.07
 120.31 6 39 22 2844.73 -29.40 85.41 52.69 60.73 7 26 47 2244.7 -33.05 77.50
 59.69 23 49 8 4111.33 -29.41 181.98 52.70 60.75 24 57 39 3511.3 -33.07 174.07
 120.31 6 39 22 2844.73 -29.40 85.41 52.69 60.73 7 26 47 2244.7 -33.05 77.50

DIFFERENTIAL CORRECTIONS

TOE .3192 TRA .0022 TC3 -.4052 BAU .4185
 RDE -.3354 RRA 2.3485 RC3 -1.9713 FAU .04949
 FDE -.5863 FRA 2.9909 FC3 -2.7549 BSP 15050
 BDE .4630 BRA 2.3485 BC3 2.0125 FSP -1713

MID-COURSE EXECUTION ACCURACY

SGT 563.2 SGR 4776.1 SG3 533.6
 RRT .1078 RRF .9989 RTF .0931
 SGB 4809.2 R23 .0162 R13 .9989
 SGI 4776.5 SG2 559.9 TMA 89.26

ORBIT DETERMINATION ACCURACY

ST 463.8 SR 1433.0 SS 977.8
 CRT -.3367 CRS -.9935 CST .4413
 LSA 1741.5 MSA 438.3 SSA 4.4
 EL1 1442.4 EL2 433.9 ALF 96.84

LAUNCH DATE APR 28 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 462.753

RL 150.60 LAL .00 LOL 217.03 VL 27.334 GAL 4.93 AZL 86.27 MCA 198.75 SMA 130.72 ECC .17425 INC 3.7283 VI 29.586
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.972 GAP -.87 AZP 93.53 TAL 155.38 TAP 354.13 RCA 107.94 APO 153.49 V2 35.082
 RC 78.958 GL 30.03 GP -59.14 ZAL 57.60 ZAP 86.15 ETS 7.84 ZAE 125.59 ETE 262.62 ZAC 113.49 ETC 349.55 CLP -82.48

PLANETOCENTRIC CONIC

C3 12.525 VML 3.539 DLA 33.14 RAL 179.80 RAD 6567.5 VEL 11.572 PTH 2.02 VMP 5.166 DPA -41.49 RAP 132.55 ECC 1.2061
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.02 0 42 39 3868.17 -25.64 160.37 42.50 68.24 1 47 7 3268.2 -28.36 152.34
 107.98 5 16 49 2992.80 -25.63 95.29 42.50 68.23 6 6 42 2392.8 -28.35 87.26
 72.02 0 42 39 3868.17 -25.64 160.37 42.50 68.24 1 47 7 3268.2 -28.36 152.34
 107.98 5 16 49 2992.80 -25.63 95.29 42.50 68.23 6 6 42 2392.8 -28.35 87.26
 110.00 6 33 5 2758.67 -30.78 79.13 44.48 74.35 7 19 4 2158.7 -32.62 70.39
 110.00 4 25 34 3150.30 -20.69 105.00 40.02 62.17 5 18 4 2550.3 -24.25 97.66

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2008 TRA 2.582 TC3 -.8115 BAU .4326 SGT 827.5 SGR 4621.2 SG3 677.0 ST 358.3 SR 1396.5 SS 1105.5
 RDE -.3527 RRA 2.1953 RC3-2.4526 FAU .06413 RRT .7663 RRF .9988 RTF .7578 CRT .0120 CRS -.9927 CST .1086
 FDE -.7895 FRA 3.6541 FC3-4.4323 BSP 14694 SGB 4694.7 R23 .0274 R13 .9985 LSA 1778.1 MSA 373.0 SSA 5.6
 BDE .4058 BRA 2.2104 BC3 2.5834 FSP -2183 SG1 4665.1 SG2 526.7 THA 82.09 EL1 1396.5 EL2 358.2 ALF 89.81

LAUNCH DATE APR 28 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 469.124

RL 150.60 LAL .00 LOL 217.03 VL 27.339 GAL 4.96 AZL 87.28 MCA 201.95 SMA 130.75 ECC .17427 INC 2.7237 VI 29.586
 RP 107.98 LAP -1.02 LOP 58.95 VP 37.987 GAP -.42 AZP 92.53 TAL 155.20 TAP 357.15 RCA 107.96 APO 153.53 V2 35.094
 RC 81.139 GL 22.99 GP -54.71 ZAL 54.76 ZAP 89.34 ETS 2.47 ZAE 129.12 ETE 256.20 ZAC 116.11 ETC 348.90 CLP -88.85

PLANETOCENTRIC CONIC

C3 10.980 VML 3.314 DLA 26.61 RAL 176.72 RAD 6567.4 VEL 11.505 PTH 2.00 VMP 4.675 DPA -36.75 RAP 133.03 ECC 1.1807
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 13 39 3120.61 -27.04 105.12 37.03 81.25 5 5 40 2520.6 -27.97 96.58
 90.00 1 21 18 3685.24 -15.77 142.44 33.50 66.17 2 22 43 3085.2 -18.86 135.13
 100.00 6 5 58 2758.53 -29.41 78.82 37.37 84.41 6 51 57 2158.5 -29.88 70.05
 100.00 2 11 40 3522.54 -13.61 129.44 32.45 63.13 3 10 23 2922.5 -17.11 122.39
 110.00 8 6 29 2381.45 -34.17 50.42 37.60 90.89 8 46 10 1781.5 -33.67 41.21
 110.00 2 27 39 3472.39 -9.48 123.22 30.02 57.00 3 25 31 2872.4 -13.76 116.73

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0912 TRA .4958 TC3-1.2855 BAU .4417 SGT 1292.3 SGR 4405.8 SG3 811.0 ST 329.1 SR 1372.9 SS 1257.7
 RDE -.3965 RRA 2.0481 RC3-2.7206 FAU .07740 RRT .9179 RRF .9986 RTF .9124 CRT .5204 CRS -.9920 CST -.4089
 FDE -1.0885 FRA 4.2705 FC3-6.1027 BSP .14371 SGB 4591.4 R23 .0400 R13 .9978 LSA 1864.9 MSA 312.0 SSA 6.9
 BDE .4068 BRA 2.1073 BC3 3.0090 FSP -2633 SG1 4564.6 SG2 495.0 THA 74.75 EL1 1384.0 EL2 278.7 ALF 82.59

LAUNCH DATE APR 28 1967

FLIGHT TIME 178.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 475.480

RL 150.60 LAL .00 LOL 217.03 VL 27.341 GAL 5.01 AZL 88.04 MCA 205.15 SMA 130.77 ECC .17452 INC 1.9632 VI 29.586
 RP 107.94 LAP -.83 LOP 62.17 VP 38.001 GAP .02 AZP 91.78 TAL 155.00 TAP .15 RCA 107.94 APO 153.59 V2 35.107
 RC 83.336 GL 17.00 GP -50.61 ZAL 52.71 ZAP 93.12 ETS 35.74 ZAE 131.86 ETE 249.49 ZAC 118.71 ETC 348.62 CLP -94.92

PLANETOCENTRIC CONIC

C3 10.187 VML 3.192 DLA 20.98 RAL 174.42 RAD 6567.4 VEL 11.471 PTH 1.99 VMP 4.343 DPA -32.30 RAP 133.05 ECC 1.1676
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 36 19 2785.60 -28.14 80.77 32.01 93.34 6 22 45 2185.6 -27.38 72.19
 90.00 23 36 20 3989.83 -6.69 160.21 27.21 62.42 24 42 50 3389.8 -10.34 153.42
 100.00 7 11 45 2477.91 -29.46 58.02 31.89 95.30 7 53 3 1877.9 -28.41 49.38
 100.00 0 47 32 3772.76 -5.53 143.61 26.57 60.58 1 50 24 3172.8 -9.41 136.97
 110.00 8 49 46 2171.22 -32.76 34.20 31.36 100.37 9 25 58 1571.2 -30.98 25.43
 110.00 1 25 59 3652.21 -2.70 132.72 24.82 55.91 2 26 52 3052.2 -7.15 126.47

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0237 TRA 7.7233 TC3-1.7742 BAU .4505 SGT 1794.0 SGR 4143.1 SG3 926.9 ST 420.7 SR 1351.3 SS 1423.9
 RDE -.4385 RRA 1.9018 RC3-2.7919 FAU .08859 RRT .9602 RRF .9983 RTF .9559 CRT .8670 CRS -.9917 CST -.7960
 FDE -1.4421 FRA 4.8035 FC3-7.5293 BSP 14108 SGB 4514.9 R23 .0528 R13 .9969 LSA 1990.4 MSA 262.4 SSA 8.3
 BDE .4392 BRA 2.0347 BC3 3.3079 FSP -3033 SG1 4491.1 SG2 462.4 THA 67.17 EL1 1400.7 EL2 202.3 ALF 74.56

LAUNCH DATE APR 28 1967

FLIGHT TIME 180.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 481.821

RL 150.60 LAL .00 LOL 217.03 VL 27.341 GAL 5.07 AZL 88.64 MCA 208.36 SMA 130.77 ECC .17501 INC 1.3645 VI 29.586
 RP 107.91 LAP -.65 LOP 65.38 VP 38.012 GAP .46 AZP 91.20 TAL 154.76 TAP 3.12 RCA 107.88 APO 153.65 V2 35.119
 RC 85.546 GL 11.95 GP -46.78 ZAL 51.23 ZAP 97.31 ETS 353.89 ZAE 133.84 ETE 242.59 ZAC 121.23 ETC 348.70 CLP -100.71

PLANETOCENTRIC CONIC

C3 9.817 VML 3.133 DLA 16.18 RAL 172.69 RAD 6567.4 VEL 11.455 PTH 1.99 VMP 4.122 DPA -28.12 RAP 132.81 ECC 1.1616
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 20 28 2586.73 -26.52 66.47 27.93 100.32 7 3 35 1986.7 -24.82 58.21
 90.00 22 38 23 4173.99 -.80 170.53 23.78 61.69 23 47 57 3574.0 -4.58 163.89
 100.00 7 50 51 2295.26 -27.58 44.79 27.70 102.01 8 29 6 1695.3 -25.64 36.52
 100.00 23 50 42 3940.69 .14 152.85 23.25 60.11 24 56 22 3340.7 -3.83 146.33
 110.00 9 19 8 2019.05 -30.33 23.01 26.89 106.57 9 52 47 1419.0 -27.77 14.76
 110.00 0 42 50 3789.67 2.56 139.89 21.75 55.90 1 46 0 3189.7 -1.94 133.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1477 TRA .9440 TC3-2.2370 BAU .4605 SGT 2295.4 SGR 3854.0 SG3 1020.1 ST 604.5 SR 1319.7 SS 1589.4
 RDE -.4659 RRA 1.7623 RC3-2.7030 FAU .09687 RRT .9762 RRF .9979 RTF .9725 CRT .9714 CRS -.9914 CST -.9322
 FDE -1.8058 FRA 5.2479 FC3-8.5427 BSP 13913 SGB 4485.8 R23 .0639 R13 .9959 LSA 2140.7 MSA 224.9 SSA 9.7
 BDE .4888 BRA 1.9992 BC3 3.5087 FSP -3347 SG1 4465.1 SG2 430.0 THA 59.51 EL1 1445.7 EL2 131.1 ALF 65.80

LAUNCH DATE APR 28 1967

FLIGHT TIME 182.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC
 RL 150.60 LAL .00 LOL 217.03 VL 27.340 GAL 5.14 AZL 89.12 MCA 211.57 SMA 130.76 ECC .17573 INC .8783 V1 29.586
 RP 107.87 LAP -.46 LOP 68.60 VP 38.022 GAP .90 AZP 90.75 TAL 154.49 TAP 6.06 RCA 107.78 APO 153.73 V2 35.131
 RC 87.767 GL 7.70 GP -43.18 ZAL 50.15 ZAP 101.75 ETS 350.55 ZAE 135.11 ETE 235.68 ZAC 123.60 ETC 349.16 CLP-106.22

PLANETOCENTRIC CONIC
 C3 9.709 VHL 3.116 DLA 12.09 RAL 171.40 RAD 6567.4 VEL 11.450 PTH 1.99 VHP 3.983 DPA -24.19 RAP 132.46 ECC 1.1598
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 51 48 2441.07 -24.34 56.36 25.07 104.93 7 32 29 1841.1 -22.06 48.43
 90.00 21 56 44 4315.27 3.75 178.42 21.81 61.91 23 8 39 3715.3 -.03 171.78
 100.00 8 19 19 2158.83 -25.29 35.31 24.78 106.50 8 55 18 1558.8 -22.78 27.40
 100.00 23 11 54 4072.74 4.61 160.11 21.34 60.43 24 19 47 3472.7 .64 153.58
 110.00 9 41 30 1901.68 -27.77 14.84 23.84 110.79 10 13 11 1301.7 -24.69 7.03
 110.00 0 10 8 3902.65 6.84 145.83 19.96 56.43 1 15 11 3302.7 2.38 139.58

DIFFERENTIAL CORRECTIONS
 TOE -.2809 TRA 1.3551 TC3-2.6499 BAU .4752 SGT 2777.1 SGR 3542.6 SG3 1085.3 ST 833.0 SR 1272.7 SS 1744.8
 ROE -.4808 RRA 1.6208 RC3-2.5261 FAU .10268 RRT .9836 RRF .9973 RTF .9803 CRT .9949 CRS -.9910 CST -.9728
 FOE -2.1637 FRA 5.5619 FC3-9.1560 BSP 13932 SGB 4501.3 R23 .0722 R13 .9947 LSA 2306.1 MSA 200.0 SSA 11.0
 BOE .5568 BRA 1.9903 BC3 3.6611 FSP -3592 SG1 4483.9 SG2 395.4 THA 52.02 EL1 1519.5 EL2 70.1 ALF 56.85

LAUNCH DATE APR 28 1967

FLIGHT TIME 184.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC
 RL 150.60 LAL .00 LOL 217.03 VL 27.336 GAL 5.23 AZL 89.53 MCA 214.79 SMA 131.73 ECC .17668 INC .4730 V1 29.586
 RP 107.83 LAP -.27 LOP 71.82 VP 38.031 GAP 1.34 AZP 90.39 TAL 154.18 TAP 8.97 RCA 107.64 APO 153.83 V2 35.143
 RC 89.996 GL 4.13 GP -39.80 ZAL 49.32 ZAP 106.29 ETS 347.76 ZAE 135.71 ETE 229.02 ZAC 125.76 ETC 349.98 CLP-111.42

PLANETOCENTRIC CONIC
 C3 9.776 VHL 3.127 DLA 8.60 RAL 170.45 RAD 6567.4 VEL 11.453 PTH 1.99 VHP 3.908 DPA -20.51 RAP 132.08 ECC 1.1609
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 16 25 2327.50 -22.14 48.76 23.17 108.12 7 55 12 1727.5 -19.46 41.12
 90.00 21 24 32 4431.54 7.44 184.97 20.78 62.60 22 38 23 3831.5 3.71 178.27
 100.00 8 41 56 2051.67 -23.02 28.15 22.85 109.61 9 16 7 1451.7 -20.14 20.54
 100.00 22 41 42 4182.60 8.26 166.22 20.34 61.17 23 51 24 3582.6 4.35 159.62
 110.00 9 59 42 1808.30 -25.36 8.65 21.83 113.73 10 29 50 1208.3 -21.93 1.18
 110.00 23 40 25 3998.74 10.42 150.97 19.03 57.26 24 47 3 3398.7 6.03 144.62

DIFFERENTIAL CORRECTIONS
 TOE -.4212 TRA 1.3580 TC3-2.9971 BAU .4931 SGT 3231.4 SGR 3225.5 SG3 1122.4 ST 1081.2 SR 1206.9 SS 1878.5
 ROE -.4797 RRA 1.4853 RC3-2.2915 FAU .10557 RRT .9874 RRF .9965 RTF .9845 CRT .9997 CRS -.9901 CST -.9869
 FOE -2.4809 FRA 5.7587 FC3-9.3492 BSP 14097 SGB 4565.7 R23 .0759 R13 .9936 LSA 2473.9 MSA 184.5 SSA 11.9
 BOE .6384 BRA 2.0125 BC3 3.7727 FSP -3741 SG1 4551.4 SG2 561.8 THA 44.95 EL1 1620.2 EL2 21.0 ALF 48.15

LAUNCH DATE APR 28 1967

FLIGHT TIME 186.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC
 RL 150.60 LAL .00 LOL 217.03 VL 27.331 GAL 5.33 AZL 89.87 MCA 218.01 SMA 130.70 ECC .17785 INC .1272 V1 29.586
 RP 107.80 LAP -.08 LOP 75.04 VP 38.037 GAP 1.78 AZP 90.10 TAL 153.84 TAP 11.85 RCA 107.45 APO 153.94 V2 35.154
 RC 92.232 GL 1.11 GP -36.63 ZAL 48.64 ZAP 110.82 ETS 345.47 ZAE 135.76 ETE 222.82 ZAC 127.65 ETC 351.12 CLP-116.29

PLANETOCENTRIC CONIC
 C3 9.969 VHL 3.157 DLA 5.61 RAL 169.77 RAD 6567.4 VEL 11.461 PTH 1.99 VHP 3.884 DPA -17.11 RAP 131.76 ECC 1.1641
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 36 51 2236.11 -20.09 42.85 22.00 110.39 8 14 7 1636.1 -17.13 35.42
 90.00 20 58 41 4530.71 10.50 190.65 20.40 63.55 22 14 12 3930.7 6.87 183.86
 100.00 9 0 51 1965.19 -20.93 22.57 21.65 111.84 9 33 36 1365.2 -17.79 15.19
 100.00 22 17 23 4276.86 11.31 171.56 19.97 62.15 23 28 40 3676.9 7.50 164.85
 110.00 10 15 10 1732.59 -23.20 3.84 20.57 115.84 10 44 3 1132.6 -19.53 356.62
 110.00 23 19 33 4082.22 13.46 155.53 18.71 58.28 24 27 35 3482.2 9.16 149.06

DIFFERENTIAL CORRECTIONS
 TOE -.5667 TRA 1.5522 TC3-3.2745 BAU .5138 SGT 3652.9 SGR 2913.9 SG3 1133.3 ST 1335.0 SR 1126.0 SS 1987.3
 ROE -.4660 RRA 1.3572 RC3-2.0348 FAU .10584 RRT .9894 RRF .9953 RTF .9868 CRT .9995 CRS -.9888 CST -.9927
 FOE -2.7454 FRA 5.8443 FC3-9.1908 BSP 14422 SGB 4672.7 R23 .0744 R13 .9926 LSA 2639.8 MSA 175.8 SSA 12.7
 BOE .7337 BRA 2.0619 BC3 3.8552 FSP -3805 SG1 4660.9 SG2 332.2 THA 38.51 EL1 1746.2 EL2 28.1 ALF 40.14

LAUNCH DATE APR 28 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC
 RL 150.60 LAL .00 LOL 217.03 VL 27.324 GAL 5.45 AZL 90.17 MCA 221.24 SMA 130.65 ECC .17926 INC .1689 V1 29.586
 RP 107.77 LAP .11 LOP 78.27 VP 38.042 GAP 2.22 AZP 89.87 TAL 153.47 TAP 14.70 RCA 107.23 APO 154.07 V2 35.165
 RC 94.474 GL -1.44 GP -33.70 ZAL 48.05 ZAP 115.23 ETS 343.59 ZAE 135.34 ETE 217.23 ZAC 129.22 ETC 352.53 CLP-120.83

PLANETOCENTRIC CONIC
 C3 10.263 VHL 3.204 DLA 3.03 RAL 169.32 RAD 6567.4 VEL 11.474 PTH 1.99 VHP 3.902 DPA -13.99 RAP 131.55 ECC 1.1689
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 54 29 2161.14 -18.24 38.13 21.38 112.04 8 30 30 1561.1 -15.09 30.87
 90.00 20 37 29 4617.28 13.08 195.70 20.49 64.66 21 54 26 4017.3 9.56 188.79
 100.00 9 17 14 1894.21 -19.07 18.13 21.01 113.46 9 48 49 1294.2 -15.74 10.92
 100.00 21 57 24 4359.44 13.89 176.33 20.08 63.26 23 10 4 3759.4 10.19 169.50
 110.00 10 28 44 1670.46 -21.30 .01 19.89 117.39 10 56 34 1070.5 -17.46 352.99
 110.00 23 2 24 4155.95 16.06 159.66 18.86 59.41 24 11 40 3556.0 11.88 153.05

DIFFERENTIAL CORRECTIONS
 TOE -.7141 TRA 1.7407 TC3-3.4778 BAU .5356 SGT 4039.3 SGR 2617.0 SG3 1121.6 ST 1584.4 SR 1032.9 SS 2066.5
 ROE -.4408 RRA 1.2405 RC3-1.7730 FAU .10352 RRT .9900 RRF .9937 RTF .9882 CRT .9975 CRS -.9866 CST -.9955
 FOE -2.9419 FRA 5.8437 FC3-8.7327 BSP 14826 SGB 4813.0 R23 .0678 R13 .9918 LSA 2796.1 MSA 171.5 SSA 13.2
 BOE .8392 BRA 2.1375 BC3 3.9037 FSP -3777 SG1 4802.9 SG2 310.5 THA 32.83 EL1 1890.4 EL2 60.9 ALF 33.07

LAUNCH DATE APR 28 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 513.239

RL 150.60 LAL .00 LOL 217.03 VL 27.316 GAL 5.58 AZL 90.43 HCA 224.46 SMA 130.59 ECC .18089 INC .4319 V1 29.586
 RP 107.73 LAP .30 LOP 81.49 VP 38.046 GAP 2.66 AZP 89.69 TAL 153.06 TAP 17.52 RCA 106.97 APO 154.21 V2 35.175
 RC 96.719 GL -3.61 GP -31.00 ZAL 47.50 ZAP 119.48 ETS 342.06 ZAE 134.60 ETE 212.32 ZAC 130.45 ETC 354.13 CLP-125.04

PLANETOCENTRIC CONIC

C3 10.640 VHL 3.262 DLA .79 RAL 169.06 RAD 6567.4 VEL 11.490 PTH 2.00 VMP 3.955 DPA -11.17 RAP 131.47 ECC 1.1751
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 10 6 2098.89 -16.60 34.29 21.20 113.27 8 45 5 1498.9 -13.31 27.16
 90.00 20 19 47 4694.14 15.27 200.28 20.96 65.86 21 38 2 4094.1 11.88 193.24
 100.00 9 31 48 1835.33 -17.44 14.52 20.81 114.67 10 2 24 1235.3 -13.96 7.45
 100.00 21 40 46 4432.93 16.10 180.68 20.56 64.47 22 54 39 3832.9 12.53 173.70
 110.00 10 40 53 1619.09 -19.66 356.93 19.64 118.54 11 7 52 1019.1 -15.70 350.05
 110.00 22 48 10 4221.93 18.30 163.46 19.36 60.61 23 58 32 3621.9 14.25 156.69

DIFFERENTIAL CORRECTIONS

TDE -.8644 TRA 1.9212 TC3-3.6219 BAU .5595
 RDE -.4102 RRA 1.1331 RC3-1.5341 FAU .09986
 FDE-3.0467 FRA 5.7606 FC3-8.1247 BSP 15374
 BDE .9568 BRA 2.2305 BC3 3.9334 FSP -3704

MID-COURSE EXECUTION ACCURACY

SGT 4390.7 SGR 2341.5 SG3 1092.5
 RRT .9898 RRF .9914 RTF .9890
 SGB 4976.1 R23 .0566 R13 .9912
 SGI 4967.4 SG2 294.4 TMA 27.93

ORBIT DETERMINATION ACCURACY

ST 1826.3 SR 936.3 SS 2124.0
 CRT .9946 CRS -.9836 CST -.9969
 LSA 2948.6 MSA 170.3 SSA 13.5
 EL1 2050.5 EL2 86.6 ALF 27.07

LAUNCH DATE APR 28 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 519.459

RL 150.60 LAL .00 LOL 217.03 VL 27.306 GAL 5.73 AZL 90.67 HCA 227.69 SMA 130.52 ECC .18276 INC .6661 V1 29.586
 RP 107.70 LAP .49 LOP 84.72 VP 38.048 GAP 3.10 AZP 89.55 TAL 152.62 TAP 20.31 RCA 106.67 APO 154.38 V2 35.185
 RC 98.967 GL -5.44 GP -28.54 ZAL 46.96 ZAP 123.52 ETS 340.80 ZAE 133.63 ETE 208.11 ZAC 131.32 ETC 355.85 CLP-128.95

PLANETOCENTRIC CONIC

C3 11.095 VHL 3.331 DLA -1.17 RAL 168.96 RAD 6567.4 VEL 11.510 PTH 2.00 VMP 4.038 DPA -8.64 RAP 131.56 ECC 1.1826
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 24 12 2046.82 -15.18 31.13 21.36 114.20 8 58 19 1446.8 -11.78 24.10
 90.00 20 4 54 4763.32 17.15 204.49 21.73 67.12 21 24 18 4163.3 13.90 197.32
 100.00 9 45 0 1786.19 -16.02 11.56 20.96 115.58 10 14 46 1186.2 -12.44 4.59
 100.00 21 26 47 4499.18 18.00 184.68 21.34 65.72 22 41 47 3899.2 14.57 177.56
 110.00 10 52 0 1576.46 -18.25 354.42 19.74 119.42 11 18 16 976.5 -14.20 347.66
 110.00 22 36 17 4281.67 20.26 166.99 20.16 61.86 23 47 39 3681.7 16.34 160.05

DIFFERENTIAL CORRECTIONS

TDE-1.0147 TRA 2.0975 TC3-3.7069 BAU .5835
 RDE -.3745 RRA 1.0375 RC3-1.3165 FAU .09484
 FDE-3.1734 FRA 5.6254 FC3-7.4001 BSP 15972
 BDE 1.0816 BRA 2.3400 BC3 3.9337 FSP -3581

MID-COURSE EXECUTION ACCURACY

SGT 4708.2 SGR 2090.5 SG3 1050.3
 RRT .9887 RRF .9883 RTF .9894
 SGB 5151.4 R23 .0429 R13 .9908
 SGI 5143.4 SG2 286.6 TMA 23.78

ORBIT DETERMINATION ACCURACY

ST 2055.2 SR 838.1 SS 2157.5
 CRT .9905 CRS -.9791 CST -.9977
 LSA 3090.6 MSA 170.9 SSA 13.7
 EL1 2217.0 EL2 107.1 ALF 22.05

LAUNCH DATE APR 28 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 525.656

RL 150.60 LAL .00 LOL 217.03 VL 27.296 GAL 5.89 AZL 90.88 HCA 230.92 SMA 130.45 ECC .18487 INC .8778 V1 29.586
 RP 107.67 LAP .68 LOP 87.95 VP 38.049 GAP 3.54 AZP 89.45 TAL 152.15 TAP 23.07 RCA 106.33 APO 154.56 V2 35.195
 RC 101.218 GL -7.01 GP -26.30 ZAL 46.41 ZAP 127.33 ETS 339.76 ZAE 132.53 ETE 204.53 ZAC 131.86 ETC 357.62 CLP-132.56

PLANETOCENTRIC CONIC

C3 11.623 VHL 3.409 DLA -2.89 RAL 169.00 RAD 6567.4 VEL 11.533 PTH 2.01 VMP 4.146 DPA -6.39 RAP 131.82 ECC 1.1913
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 37 7 2003.13 -13.94 28.52 21.81 114.90 9 10 31 1403.1 -10.47 21.56
 90.00 19 52 18 4826.28 18.77 208.40 22.74 68.40 21 12 44 4226.3 15.67 201.09
 100.00 9 57 7 1745.08 -14.79 9.12 21.38 116.27 10 26 12 1145.1 -11.14 2.23
 100.00 21 14 59 4559.57 19.65 188.40 22.36 67.01 22 30 59 3959.6 16.36 181.15
 110.00 11 2 16 1541.12 -17.06 352.38 20.12 120.08 11 27 58 941.1 -12.93 345.70
 110.00 22 26 19 4336.29 21.98 170.30 21.20 63.13 23 38 36 3736.3 18.20 163.20

DIFFERENTIAL CORRECTIONS

TDE-1.1654 TRA 2.2704 TC3-3.7424 BAU .6072
 RDE -.3365 RRA .9530 RC3-1.1254 FAU .08905
 FDE-3.2140 FRA 5.4541 FC3-6.6327 BSP 16607
 BDE 1.2130 BRA 2.4623 BC3 3.9079 FSP -3428

MID-COURSE EXECUTION ACCURACY

SGT 4994.3 SGR 1865.6 SG3 999.6
 RRT .9866 RRF .9842 RTF .9896
 SGB 5331.4 R23 .0284 R13 .9904
 SGI 5323.7 SG2 285.6 TMA 20.29

ORBIT DETERMINATION ACCURACY

ST 2270.5 SR 742.8 SS 2172.1
 CRT .9847 CRS -.9728 CST -.9983
 LSA 3224.2 MSA 172.4 SSA 13.8
 EL1 2385.8 EL2 123.4 ALF 17.91

LAUNCH DATE APR 28 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 531.829

RL 150.60 LAL .00 LOL 217.03 VL 27.283 GAL 6.08 AZL 91.07 HCA 234.16 SMA 130.36 ECC .18722 INC 1.0707 V1 29.586
 RP 107.65 LAP .87 LOP 91.18 VP 38.049 GAP 3.99 AZP 89.37 TAL 151.64 TAP 25.80 RCA 105.95 APO 154.77 V2 35.204
 RC 103.470 GL -8.34 GP -24.28 ZAL 45.85 ZAP 130.89 ETS 338.89 ZAE 131.37 ETE 201.53 ZAC 132.07 ETC 359.36 CLP-135.90

PLANETOCENTRIC CONIC

C3 12.225 VHL 3.496 DLA -4.40 RAL 169.16 RAD 6567.5 VEL 11.559 PTH 2.02 VMP 4.276 DPA -4.41 RAP 132.25 ECC 1.2012
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 49 6 1966.49 -12.88 26.35 22.49 115.44 9 21 53 1366.5 -9.35 19.45
 90.00 19 41 35 4884.16 20.18 212.06 23.95 69.70 21 3 0 4284.2 17.24 204.62
 100.00 10 8 23 1710.75 -13.75 7.11 22.05 116.81 10 36 54 1110.8 -10.04 .28
 100.00 21 5 0 4615.12 21.08 191.90 23.58 68.31 22 21 55 4015.1 17.95 184.51
 110.00 11 11 53 1511.94 -16.06 350.71 20.74 120.59 11 37 5 911.9 -11.88 344.10
 110.00 22 17 59 4386.70 23.49 173.42 22.44 64.42 23 31 6 3786.7 19.86 166.17

DIFFERENTIAL CORRECTIONS

TDE-1.3147 TRA 2.4428 TC3-3.7319 BAU .6297
 RDE -.2970 RRA .8795 RC3 -.9589 FAU .08271
 FDE-3.2130 FRA 5.2637 FC3-8.573 BSP 17227
 BDE 1.3478 BRA 2.5963 BC3 3.8531 FSP -3249

MID-COURSE EXECUTION ACCURACY

SGT 5250.8 SGR 1666.1 SG3 943.9
 RRT .9832 RRF .9787 RTF .9896
 SGB 5508.8 R23 .0150 R13 .9900
 SGI 5501.2 SG2 289.9 TMA 17.38

ORBIT DETERMINATION ACCURACY

ST 2469.5 SR 652.1 SS 2169.1
 CRT .9763 CRS -.9638 CST -.9986
 LSA 3346.3 MSA 174.7 SSA 13.9
 EL1 2550.5 EL2 136.6 ALF 14.50

LAUNCH DATE APR 28 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 537.976

RL 150.60 LAL .00 LOL 217.03 VL 27.270 GAL 6.28 AZL 91.25 HCA 237.39 SMA 130.27 ECC .18982 INC 1.2487 V1 29.586
 RP 107.62 LAP 1.05 LOP 94.42 VP 38.047 GAP 4.44 AZP 89.33 TAL 151.11 TAP 28.50 RCA 105.54 APO 154.99 V2 35.212
 RC 105.723 GL -9.47 GP -22.46 ZAL 45.26 ZAP 134.23 ETS 338.13 ZAE 130.21 ETE 199.02 ZAC 132.00 ETC 1.03 CLP-139.00

PLANETOCENTRIC CONIC

C3 12.903 VML 3.592 DLA -5.74 RAL 169.43 RAO 6567.5 VEL 11.588 PTH 2.03 VHP 4.426 DPA -2.69 RAP 132.84 ECC 1.2123
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 0 19 1935.88 -11.98 24.55 23.37 115.85 9 32 35 1335.9 -8.40 17.70
 90.00 19 32 30 4937.80 21.41 215.51 25.35 71.01 20 54 47 4337.8 18.62 207.95
 100.00 10 18 56 1682.25 -12.87 5.45 22.92 117.22 10 46 58 1082.3 -9.12 358.67
 100.00 20 56 33 4666.67 22.34 195.21 24.99 69.61 22 14 20 4066.7 19.37 187.64
 110.00 11 20 57 1488.08 -15.22 349.36 21.57 120.98 11 45 45 888.1 -11.01 342.80
 110.00 22 11 2 4433.60 24.84 176.40 23.87 65.72 23 24 55 3833.6 21.35 168.93

DIFFERENTIAL CORRECTIONS

TDE-1.4610 TRA 2.6185 TC3-3.6773 BAU .6497
 RDE -.2565 RRA .8165 RC3 -.8138 FAU .07593
 FDE-3.1755 FRA 5.0701 FC3-5.0945 BSP 17780
 BDE 1.4833 BRA 2.7428 BC3 3.7663 FSP -3050

MID-COURSE EXECUTION ACCURACY

SGT 5480.0 SGR 1490.8 SG3 885.8
 RRT .9783 RRF .9716 RTF .9895
 SGB 5679.2 R23 .0037 R13 .9896
 SGI 5671.3 SGI 298.3 TMA 14.95

ORBIT DETERMINATION ACCURACY

ST 2650.0 SR 567.4 SS 2150.0
 CRT .9640 CRS -.9504 CST -.9989
 LSA 3454.7 MSA 177.5 SSA 84.0
 EL1 2706.0 EL2 147.8 ALF 11.70

LAUNCH DATE APR 28 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 544.096

RL 150.60 LAL .00 LOL 217.03 VL 27.256 GAL 6.49 AZL 91.41 HCA 240.63 SMA 130.17 ECC .19268 INC 1.4144 V1 29.586
 RP 107.60 LAP 1.23 LOP 97.65 VP 38.044 GAP 4.89 AZP 89.31 TAL 150.55 TAP 31.18 RCA 105.09 APO 155.25 V2 35.220
 RC 107.975 GL -10.42 GP -20.83 ZAL 44.64 ZAP 137.33 ETS 337.44 ZAE 129.06 ETE 196.92 ZAC 131.66 ETC 2.58 CLP-141.88

PLANETOCENTRIC CONIC

C3 13.661 VML 3.696 DLA -6.94 RAL 169.78 RAO 6567.5 VEL 11.621 PTH 2.04 VHP 4.593 DPA -1.20 RAP 133.58 ECC 1.2248
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 10 51 1910.57 -11.22 23.08 24.43 116.17 9 42 42 1310.6 -7.61 16.26
 90.00 19 24 47 4987.89 22.48 218.79 26.91 72.32 20 47 55 4387.9 19.85 211.11
 100.00 10 28 53 1658.85 -12.13 4.10 23.96 117.53 10 56 32 1058.8 -8.35 357.35
 100.00 20 49 26 4714.84 23.45 198.36 26.56 70.91 22 8 1 4114.8 20.63 190.70
 110.00 11 29 33 1468.89 -14.55 348.29 22.56 121.28 11 54 2 868.9 -10.30 341.76
 110.00 22 5 16 4477.56 26.04 179.25 25.47 67.03 23 19 53 3877.6 22.70 171.69

DIFFERENTIAL CORRECTIONS

TDE-1.6092 TRA 2.7936 TC3-3.6006 BAU .6697
 RDE -.2178 RRA .7611 RC3 -.6938 FAU .06954
 FDE-3.1227 FRA 4.8696 FC3-4.4071 BSP 18379
 BDE 1.6238 BRA 2.8954 BC3 3.6668 FSP -2863

MID-COURSE EXECUTION ACCURACY

SGT 5686.6 SGR 1337.8 SG3 828.1
 RRT .9717 RRF .9626 RTF .9892
 SGB 5841.8 R23 -.0062 R13 .9892
 SGI 5833.7 SGI 308.0 TMA 12.91

ORBIT DETERMINATION ACCURACY

ST 2818.1 SR 491.3 SS 2123.9
 CRT .9462 CRS -.9315 CST -.9990
 LSA 3558.2 MSA 180.2 SSA 14.0
 EL1 2856.3 EL2 156.8 ALF 9.40

LAUNCH DATE APR 28 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 550.187

RL 150.60 LAL .00 LOL 217.03 VL 27.240 GAL 6.73 AZL 91.57 HCA 243.87 SMA 130.06 ECC .19581 INC 1.5698 V1 29.586
 RP 107.58 LAP 1.41 LOP 100.89 VP 38.039 GAP 5.36 AZP 89.31 TAL 149.96 TAP 33.83 RCA 104.59 APO 155.53 V2 35.227
 RC 110.226 GL -11.22 GP -19.37 ZAL 44.00 ZAP 140.22 ETS 336.79 ZAE 127.96 ETE 195.17 ZAC 131.09 ETC 4.01 CLP-144.55

PLANETOCENTRIC CONIC

C3 14.507 VML 3.809 DLA -8.00 RAL 170.22 RAO 6567.6 VEL 11.657 PTH 2.05 VHP 4.776 DPA .07 RAP 134.48 ECC 1.2388
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 20 49 1889.94 -10.60 21.88 25.65 116.41 9 52 19 1289.9 -6.97 15.09
 90.00 19 18 17 5034.97 23.42 221.93 28.61 73.61 20 42 12 4435.0 20.95 214.12
 100.00 10 38 18 1639.97 -11.54 3.01 25.16 117.77 11 5 38 1040.0 -7.73 356.29
 100.00 20 43 29 4760.17 24.43 201.38 28.27 72.21 22 2 49 4160.2 21.77 193.59
 110.00 11 37 44 1453.86 -14.02 347.45 23.72 121.50 12 1 58 853.9 -9.75 340.95
 110.00 22 0 32 4519.04 27.11 182.00 27.20 68.34 23 15 51 3919.0 23.93 174.28

DIFFERENTIAL CORRECTIONS

TDE-1.7565 TRA 2.9725 TC3-3.4978 BAU .6880
 RDE -.1800 RRA .7133 RC3 -.5922 FAU .06333
 FDE-3.0529 FRA 4.6742 FC3-3.7795 BSP 18937
 BDE 1.7657 BRA 3.0569 BC3 3.5476 FSP -2677

MID-COURSE EXECUTION ACCURACY

SGT 5871.1 SGR 1204.5 SG3 771.8
 RRT .9630 RRF .9513 RTF .9890
 SGB 5993.4 R23 -.0143 R13 .9889
 SGI 5984.9 SGI 318.6 TMA 11.21

ORBIT DETERMINATION ACCURACY

ST 2970.3 SR 423.3 SS 2089.4
 CRT .9201 CRS -.9038 CST -.9992
 LSA 3651.6 MSA 183.0 SSA 14.0
 EL1 2995.8 EL2 164.4 ALF 7.49

LAUNCH DATE APR 28 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 556.247

RL 150.60 LAL .00 LOL 217.03 VL 27.224 GAL 6.99 AZL 91.72 HCA 247.11 SMA 129.95 ECC .19923 INC 1.7169 V1 29.586
 RP 107.56 LAP 1.58 LOP 104.13 VP 38.033 GAP 5.83 AZP 89.33 TAL 149.35 TAP 36.46 RCA 104.06 APO 155.84 V2 35.233
 RC 112.475 GL -11.89 GP -18.06 ZAL 43.32 ZAP 142.92 ETS 336.16 ZAE 126.93 ETE 193.70 ZAC 130.32 ETC 5.29 CLP-147.05

PLANETOCENTRIC CONIC

C3 15.448 VML 3.930 DLA -8.94 RAL 170.72 RAO 6567.6 VEL 11.698 PTH 2.06 VHP 4.975 DPA 1.15 RAP 135.50 ECC 1.2542
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 30 16 1873.53 -10.10 20.94 27.00 116.59 10 1 29 1273.5 -6.45 14.16
 90.00 19 12 50 5079.49 24.24 224.93 30.43 74.90 20 37 30 4479.5 21.94 217.02
 100.00 10 47 15 1625.18 -11.07 2.17 26.50 117.95 11 14 20 1025.2 -7.24 355.47
 100.00 20 38 33 4803.07 25.29 204.27 30.11 73.51 21 58 36 4203.1 22.79 196.37
 110.00 11 45 34 1442.58 -13.61 346.82 25.00 121.66 12 9 36 842.6 -9.33 340.34
 110.00 21 56 43 4558.43 28.07 184.66 29.07 69.64 23 12 42 3958.4 25.04 176.80

DIFFERENTIAL CORRECTIONS

TDE-1.9037 TRA 3.1573 TC3-3.3736 BAU .7045
 RDE -.1433 RRA .6722 RC3 -.5060 FAU .05737
 FDE-2.9724 FRA 4.4892 FC3-3.2150 BSP 19456
 BDE 1.9091 BRA 3.2281 BC3 3.4114 FSP -2497

MID-COURSE EXECUTION ACCURACY

SGT 6036.8 SGR 1089.0 SG3 717.9
 RRT .9517 RRF .9374 RTF .9886
 SGB 6134.2 R23 -.0207 R13 .9885
 SGI 6125.3 SGI 329.5 TMA 9.77

ORBIT DETERMINATION ACCURACY

ST 3108.3 SR 363.8 SS 2049.2
 CRT .8814 CRS -.8635 CST -.9993
 LSA 3736.1 MSA 185.8 SSA 14.0
 EL1 3124.9 EL2 170.9 ALF 5.91

LAUNCH DATE APR 28 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 562.275

RL 150.60 LAL .00 LQL 217.03 VL 27.207 GAL 7.27 AZL 91.86 MCA 250.35 SMA 129.83 ECC .20294 INC 1.8572 VI 29.586
 RP 107.54 LAP 1.75 LOP 107.37 VP 38.027 GAP 6.31 A7P 89.38 TAL 148.72 TAP 39.07 RCA 103.48 APO 156.18 V2 35.239
 RC 114.720 GL -12.44 GP -16.89 ZAL 42.63 ZAP 145.44 ETS 335.51 ZAE 125.96 ETE 192.47 ZAC 129.37 ETC 6.43 CLP-149.34

PLANETOCENTRIC CONIC

C3 16.494 VHL 4.061 CLA -9.79 RAL 171.28 RAD 6567.7 VEL 11.742 PTH 2.07 VHP 5.187 DPA 2.05 RAP 136.65 ECC 1.2715
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 39 15 1860.97 -9.72 20.21 28.48 116.73 10 10 16 1261.0 -6.05 13.45
 90.00 19 8 21 5121.81 24.96 227.82 32.37 76.18 20 33 42 4521.8 22.82 219.81
 100.00 10 55 46 1614.11 -10.71 1.54 27.95 118.07 11 22 40 1014.1 -6.88 354.85
 100.00 20 34 30 4843.91 26.05 207.07 32.06 74.79 21 55 14 4243.9 23.71 199.05
 110.00 11 53 3 1434.73 -13.33 346.39 26.41 121.77 12 16 58 834.7 -9.04 339.92
 110.00 21 53 43 4596.04 28.94 187.25 31.06 70.95 23 10 19 3996.0 26.06 179.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TCE-2.0478 TRA 3.3521 TC3-3.2247 BAU .7174 SGT 6183.5 SGR 988.6 SG3 666.8 ST 3228.8 SR 312.8 SS 2001.7
 RDE -1.072 RRA .6371 RC3 -.4312 FAU .05145 RRT .9375 RRF .9205 RTF .9882 CRT .8234 CRS -.8035 CST -.9994
 FDE-2.8795 FRA 4.3198 FC3-2.7006 BSP 19859 SGB 6262.0 R23 -.0252 R13 .9880 LSA 3807.1 MSA 188.7 SSA 14.0
 BDE 2.0506 BRA 3.4121 BC3 3.2534 FSP -2314 SG1 6252.8 SG2 340.2 TMA 8.55 EL1 3239.1 EL2 176.9 ALF 4.57

LAUNCH DATE APR 28 1967

FLIGHT TIME 208.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 568.267

RL 150.60 LAL .00 LQL 217.03 VL 27.189 GAL 7.57 AZL 91.99 MCA 253.59 SMA 129.71 ECC .20698 INC 1.9920 VI 29.586
 RP 107.52 LAP 1.91 LOP 110.61 VP 38.019 GAP -6.79 A7P 89.44 TAL 148.06 TAP 41.65 RCA 102.86 APO 156.55 V2 35.244
 RC 116.961 GL -12.88 GP -15.84 ZAL 41.91 ZAP 147.79 ETS 334.83 ZAE 125.05 ETE 191.42 ZAC 128.27 ETC 7.42 CLP-151.58

PLANETOCENTRIC CONIC

C3 17.657 VHL 4.202 CLA -10.54 RAL 171.89 RAD 6567.7 VEL 11.792 PTH 2.08 VHP 5.414 DPA 2.78 RAP 137.91 ECC 1.2906
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 47 47 1851.96 -9.44 19.69 30.06 116.82 10 18 39 * 1252.0 -5.77 12.94
 90.00 19 4 41 5162.23 25.59 230.61 34.42 77.45 20 30 43 4562.2 23.61 222.51
 100.00 11 3 53 1606.45 -10.47 1.10 29.52 118.16 11 30 39 1006.4 -6.62 354.42
 100.00 20 31 17 4882.96 26.72 209.78 34.13 76.07 21 52 40 4283.0 24.54 201.66
 110.00 12 0 13 1430.03 -13.16 346.13 27.93 121.84 12 24 3 830.0 -8.86 339.67
 110.00 21 51 26 4632.15 29.71 189.77 33.16 72.26 23 8 38 4032.2 27.00 181.03

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TCE-2.1963 TRA 3.5510 TC3-3.0732 BAU .7307 SGT 6316.1 SGR 901.5 SG3 619.1 ST 3340.2 SR 271.2 SS 1955.1
 RDE -1.0731 RRA .6059 RC3 -.3699 FAU .04624 RRT .9202 RRF .9004 RTF .9879 CRT .7413 CRS -.7195 CST -.9995
 FDE-2.7903 FRA 4.1571 FC3-2.2673 BSP 20318 SGB 6380.1 R23 -.0293 R13 .9877 LSA 3875.1 MSA 191.2 SSA 14.0
 BDE 2.1975 BRA 3.6023 BC3 3.0953 FSP -2154 SG1 6370.5 SG2 349.8 TMA 7.51 EL1 3346.2 EL2 181.7 ALF 3.46

LAUNCH DATE APR 28 1967

FLIGHT TIME 210.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 574.220

RL 150.60 LAL .00 LQL 217.03 VL 27.171 GAL 7.89 AZL 92.12 MCA 256.83 SMA 129.58 ECC .21134 INC 2.1224 VI 29.586
 RP 107.51 LAP 2.07 LOP 113.86 VP 38.009 GAP 7.29 A7P 89.52 TAL 147.39 TAP 44.22 RCA 102.19 APO 156.97 V2 35.248
 RC 119.197 GL -13.24 GP -14.90 ZAL 41.17 ZAP 149.99 ETS 334.09 ZAE 124.21 ETE 190.53 ZAC 127.04 ETC 8.29 CLP-153.65

PLANETOCENTRIC CONIC

C3 18.951 VHL 4.353 CLA -11.21 RAL 172.55 RAD 6567.8 VEL 11.846 PTH 2.10 VHP 5.655 DPA 3.37 RAP 139.26 ECC 1.3119
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 55 55 1846.26 -9.27 19.37 31.75 116.88 10 26 41 1246.3 -5.59 12.62
 90.00 19 1 47 5201.01 26.14 233.32 36.57 78.70 20 28 28 4601.0 24.31 225.13
 100.00 11 11 37 1602.02 -10.33 .85 31.19 118.21 11 38 19 1002.0 -6.48 354.18
 100.00 20 28 46 4920.49 27.31 212.41 36.29 77.34 21 50 47 4320.5 25.29 204.19
 110.00 12 7 6 1428.29 -13.10 346.03 29.55 121.86 12 30 54 828.3 -8.80 339.58
 110.00 21 49 47 4866.98 30.41 192.24 35.37 73.58 23 7 34 4067.0 27.86 183.98

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TCE-2.3459 TRA 3.7594 TC3-2.9115 BAU .7420 SGT 6434.5 SGR 825.7 SG3 574.7 ST 3439.3 SR 238.9 SS 1906.9
 RDE -1.0400 RRA .5786 RC3 -.3175 FAU .04137 RRT .8995 RRF .8768 RTF .9875 CRT .6275 CRS -.6040 CST -.9995
 FDE-2.7002 FRA 4.0075 FC3-1.8900 BSP 20739 SGB 6487.2 R23 -.0324 R13 .9873 LSA 3935.0 MSA 193.5 SSA 13.9
 BDE 2.3462 BRA 3.8036 BC3 2.9288 FSP -2005 SG1 6477.3 SG2 358.4 TMA 6.60 EL1 3442.6 EL2 185.8 ALF 2.50

LAUNCH DATE APR 28 1967

FLIGHT TIME 212.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 580.130

RL 150.60 LAL .00 LQL 217.03 VL 27.152 GAL 8.24 AZL 92.25 MCA 260.08 SMA 129.45 ECC .21607 INC 2.2493 VI 29.586
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.999 GAP 7.81 A7P 89.61 TAL 146.70 TAP 46.78 RCA 101.48 APO 157.42 V2 35.252
 RC 121.426 GL -13.51 GP -14.06 ZAL 40.42 ZAP 152.06 ETS 333.28 ZAE 123.43 ETE 189.77 ZAC 125.70 ETC 9.04 CLP-155.61

PLANETOCENTRIC CONIC

C3 20.391 VHL 4.516 CLA -11.81 RAL 173.24 RAD 6567.8 VEL 11.907 PTH 2.12 VHP 5.909 DPA 3.82 RAP 140.70 ECC 1.3356
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 3 39 1843.68 -9.19 19.22 33.53 116.90 10 34 22 1243.7 -5.50 12.47
 90.00 18 59 34 5238.36 26.61 235.96 38.80 79.94 20 26 53 4638.4 24.95 227.68
 100.00 11 18 59 1600.58 -10.28 .77 32.95 118.22 11 45 40 1000.6 -6.43 354.10
 100.00 20 26 55 4956.69 27.82 214.98 38.54 78.60 21 49 31 4356.7 25.96 206.67
 110.00 12 13 41 1429.31 -13.14 346.09 31.26 121.84 12 37 30 829.3 -8.83 339.63
 110.00 21 48 43 4700.73 31.03 194.68 37.67 74.89 23 7 3 4100.7 28.65 186.29

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TCE-2.4971 TRA 3.9783 TC3-2.7424 BAU .7513 SGT 6539.6 SGR 759.6 SG3 533.6 ST 3526.7 SR 215.9 SS 1857.9
 RDE -1.0078 RRA .5544 RC3 -.2724 FAU .03681 RRT .8749 RRF .8496 RTF .9871 CRT .4798 CRS -.4550 CST -.9996
 FDE-2.6108 FRA 3.8709 FC3-1.5630 BSP 21120 SGB 6583.5 R23 -.0347 R13 .9869 LSA 3987.2 MSA 195.5 SSA 13.8
 BDE 2.4972 BRA 4.0167 BC3 2.7559 FSP -1865 SG1 6573.4 SG2 365.9 TMA 5.82 EL1 3528.3 EL2 189.4 ALF 1.69

LAUNCH DATE APR 28 1967

FLIGHT TIME 214.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 585.995

RL 150.60 LAL .00 LOL 217.03 VL 27.132 GAL 8.61 AZL 92.37 HCA 263.32 SMA 129.32 ECC .22119 INC 2.3739 V1 29.586
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.988 GAP 8.34 AZP 89.72 TAL 145.99 TAP 49.32 RCA 100.71 APO 157.92 V2 35.255
 RC 123.648 GL -13.70 GP -13.30 ZAL 39.65 ZAP 154.01 ETS 332.37 ZAE 122.71 ETE 18% ZAC 124.26 ETC 9.68 CLP-157.47

PLANETOCENTRIC CONIC

C3 21.998 VHL 4.690 DLA -12.34 RAL 173.96 RAD 6567.9 VEL 11.974 PTH 2.13 VHP 6.179 OPA 4.15 RAP 142.22 ECC 1.3620
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 10 59 1844.03 -9.20 19.24 35.39 116.90 10 41 43 1244.0 -5.52 12.49
 90.00 18 57 59 5274.47 27.01 238.52 41.12 81.16 20 25 53 4674.5 25.51 230.18
 100.00 11 26 0 1601.99 -10.32 .85 34.80 118.21 11 52 42 1002.0 -6.47 354.18
 100.00 20 23 39 4991.74 28.27 217.49 40.88 79.84 21 48 50 4391.7 26.57 209.10
 110.00 12 19 59 1432.95 -13.27 346.29 33.06 121.80 12 43 52 832.9 -8.97 339.83
 110.00 21 48 9 4733.55 31.59 197.07 40.07 76.21 23 7 3 4133.6 29.37 188.57

DIFFERENTIAL CORRECTIONS

TOE-2.6506 TRA 4.2094 TC3-2.5680 BAU .7583
 RDE .0237 RRA .5326 RC3 -.2336 FAU .03258
 FDE-2.5235 FRA 3.7470 FC3-1.2823 BSP 21467
 BOE 2.6507 BRA 4.2430 BC3 2.5786 FSP -1735

MID-COURSE EXECUTION ACCURACY

SGT 6632.9 SGR 701.8 SG3 495.6
 RRT .8464 RRF .8185 RTF .9867
 SGB 6669.9 R23 -.0363 R13 .9866
 SG1 6659.5 SG2 372.2 TMA 5.13

ORBIT DETERMINATION ACCURACY

ST 3603.2 SR 202.0 SS 1808.9
 CRT .3052 CRS -.2802 CST -.9996
 LSA 4032.0 MSA 197.3 SSA 13.7
 EL1 3603.8 EL2 192.3 ALF .98

LAUNCH DATE APR 28 1967

FLIGHT TIME 216.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 591.808

RL 150.60 LAL .00 LOL 217.03 VL 27.112 GAL 9.02 AZL 92.50 HCA 266.57 SMA 129.18 ECC .22673 INC 2.4968 V1 29.586
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.975 GAP 8.89 AZP 89.85 TAL 145.28 TAP 51.85 RCA 99.89 APO 158.47 V2 35.257
 RC 125.861 GL -13.84 GP -12.61 ZAL 38.88 ZAP 155.85 ETS 331.34 ZAE 122.03 ETE 188.55 ZAC 122.73 ETC 10.23 CLP-159.24

PLANETOCENTRIC CONIC

C3 23.793 VHL 4.878 DLA -12.80 RAL 174.70 RAD 6568.0 VEL 12.049 PTH 2.15 VHP 6.464 DPA 4.37 RAP 143.80 ECC 1.3916
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 17 57 1847.20 -9.29 19.42 37.33 116.87 10 48 44 1247.2 -5.62 12.67
 90.00 18 56 57 5309.49 27.35 241.03 43.51 82.37 20 25 26 4709.5 26.01 232.62
 100.00 11 32 40 1606.10 -10.46 1.08 36.72 118.16 11 59 26 1006.1 -6.61 354.40
 100.00 20 24 55 5025.80 28.65 219.95 43.30 81.08 21 48 40 4425.8 27.12 211.48
 110.00 12 26 0 1439.08 -13.49 346.63 34.93 121.71 12 49 59 839.1 -9.20 340.16
 110.00 21 48 4 4765.60 32.09 199.44 42.54 77.53 23 7 30 4165.6 30.04 190.83

DIFFERENTIAL CORRECTIONS

TOE-2.8035 TRA 4.4571 TC3-2.3851 BAU .7613
 RDE .0551 RRA .5131 RC3 -.1994 FAU .02848
 FDE-2.4354 FRA 3.6383 FC3-1.0363 BSP -21695
 BOE 2.8040 BRA 4.4866 BC3 2.3934 FSP -1606

MID-COURSE EXECUTION ACCURACY

SGT 6714.4 SGR 651.2 SG3 460.6
 RRT .8137 RRF .7837 RTF .9864
 SGB 6745.9 R23 -.0369 R13 .9862
 SG1 6735.4 SG2 377.3 TMA 4.53

ORBIT DETERMINATION ACCURACY

ST 3666.5 SR 196.5 SS 1758.5
 CRT .1194 CRS -.0952 CST -.9997
 LSA 4066.2 MSA 199.0 SSA 13.6
 EL1 3666.6 EL2 195.1 ALF .37

LAUNCH DATE APR 28 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 597.564

RL 150.60 LAL .00 LOL 217.03 VL 27.091 GAL 9.45 AZL 92.62 HCA 269.81 SMA 129.04 ECC .23272 INC 2.6188 V1 29.586
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.962 GAP 9.46 AZP 89.99 TAL 144.56 TAP 54.37 RCA 99.01 APO 159.07 V2 35.258
 RC 128.066 GL -13.91 GP -12.00 ZAL 38.10 ZAP 157.60 ETS 330.17 ZAE 121.41 ETE 188.06 ZAC 121.14 ETC 10.70 CLP-160.94

PLANETOCENTRIC CONIC

C3 25.803 VHL 5.080 DLA -13.22 RAL 175.46 RAD 6568.0 VEL 12.132 PTH 2.17 VHP 6.766 DPA 4.49 RAP 145.43 ECC 1.4246
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 24 32 1853.05 -9.47 19.76 39.34 116.81 10 55 25 1253.0 -5.80 13.00
 90.00 18 56 26 5343.53 27.64 243.48 45.97 83.57 20 25 29 4743.5 26.46 235.01
 100.00 11 38 59 1612.83 -10.67 1.46 38.71 118.09 12 5 52 1012.8 -6.83 354.78
 100.00 20 24 39 5058.99 28.98 222.36 45.79 82.31 21 48 58 4459.0 27.61 213.83
 110.00 12 31 45 1447.59 -13.79 347.10 36.88 121.59 12 55 52 847.6 -9.51 340.61
 110.00 21 48 24 4796.99 32.52 201.78 45.10 78.85 23 8 21 4197.0 30.65 193.07

DIFFERENTIAL CORRECTIONS

TOE-2.9642 TRA 4.7148 TC3-2.2089 BAU .7643
 RDE .0855 RRA .4945 RC3 -.1705 FAU .02489
 FDE-2.3563 FRA 3.5366 FC3 -.8350 BSP 22004
 BOE 2.9655 BRA 4.7407 BC3 2.2155 FSP -1497

MID-COURSE EXECUTION ACCURACY

SGT 6786.5 SGR 606.3 SG3 428.3
 RRT .7768 RRF .7448 RTF .9861
 SGB 6813.5 R23 -.0375 R13 .9860
 SG1 6802.9 SG2 380.9 TMA 3.98

ORBIT DETERMINATION ACCURACY

ST 3724.2 SR 197.2 SS 1711.9
 CRT -.0550 CRS .0777 CST -.9997
 LSA 4098.6 MSA 200.0 SSA 13.4
 EL1 3724.2 EL2 196.9 ALF 179.83

LAUNCH DATE APR 28 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 603.257

RL 150.60 LAL .00 LOL 217.03 VL 27.071 GAL 9.92 AZL 92.74 HCA 273.06 SMA 128.90 ECC .23921 INC 2.7409 V1 29.586
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.948 GAP 10.05 AZP 90.15 TAL 143.83 TAP 56.89 RCA 98.06 APO 159.73 V2 35.259
 RC 130.261 GL -13.93 GP -11.44 ZAL 37.32 ZAP 159.25 ETS 328.82 ZAE 120.82 ETE 187.62 ZAC 119.49 ETC 11.10 CLP-162.57

PLANETOCENTRIC CONIC

C3 28.059 VHL 5.297 DLA -13.57 RAL 176.23 RAD 6568.1 VEL 12.224 PTH 2.20 VHP 7.085 DPA 4.52 RAP 147.11 ECC 1.4618
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 30 44 1861.48 -9.73 20.24 41.42 116.72 11 1 46 1261.5 -6.07 13.48
 90.00 18 56 23 5376.73 27.87 245.88 48.50 84.75 20 26 0 4776.7 26.85 237.36
 100.00 11 44 57 1622.02 -10.97 1.99 40.77 117.98 12 11 59 1022.0 -7.14 355.29
 100.00 20 24 51 5091.42 29.25 224.73 48.34 83.53 21 49 42 4491.4 28.04 216.14
 110.00 12 37 12 1458.39 -14.18 347.70 38.89 121.44 13 1 30 858.4 -9.91 341.19
 110.00 21 49 6 4827.81 32.91 204.11 47.73 80.17 23 9 33 4227.8 31.20 195.30

DIFFERENTIAL CORRECTIONS

TOE-3.1289 TRA 4.9886 TC3-2.0324 BAU .7643
 RDE .1158 RRA .4768 RC3 -.1452 FAU .02152
 FDE-2.2808 FRA 3.4460 FC3 -.6641 BSP 22265
 BOE 3.1310 BRA 5.0113 BC3 2.0376 FSP -1395

MID-COURSE EXECUTION ACCURACY

SGT 6848.6 SGR 566.5 SG3 398.6
 RRT .7353 RRF .7017 RTF .9859
 SGB 6872.0 R23 -.0376 R13 .9857
 SG1 6861.3 SG2 383.2 TMA 3.49

ORBIT DETERMINATION ACCURACY

ST 3772.5 SR 202.6 SS 1666.4
 CRT -.2073 CRS .2280 CST -.9997
 LSA 4124.2 MSA 200.7 SSA 13.2
 EL1 3772.7 EL2 198.2 ALF 179.36

LAUNCH DATE APR 29 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 8 1967

HELIOCENTRIC CONIC

DISTANCE 127.319

RL 150.64 LAL .00 LOL 218.00 VL 15.072 GAL 28.43 AZL 89.55 MCA 34.12 SMA 86.47 ECC .80785 INC .4509 V1 29.57H
 RP 108.59 LAP .25 LOP 252.12 VP 30.160 GAP -52.43 A7P 89.63 TAL 172.32 TAP 206.44 RCA 16.62 APO 156.32 V2 34.899
 RC 85.078 GL .34 GP 2.36 ZAL 67.60 ZAP 34.54 ETS 186.37 ZAE 137.01 ETE 176.11 ZAC 153.25 ETC 41.85 CLP 34.47

PLANETOCENTRIC CONIC

C3 311.638 VML 17.653 CLA 11.65 RAL 152.60 RAD 6571.8 VEL 20.807 PTH 3.18 VMP 29.269 CPA 26.47 RAP 108.35 ECC 6.128H
 LNCH AZMTM LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 36 36 3163.24 -26.56 108.15 62.02 79.80 6 29 19 2563.2 -27.70 99.67
 90.00 20 34 5 5067.19 24.02 224.10 50.90 74.54 21 58 33 4467.2 21.67 216.21
 100.00 7 3 50 2881.87 -28.26 87.80 62.36 79.82 7 51 52 2281.9 -29.37 79.18
 100.00 21 43 32 4823.79 25.68 205.69 50.39 74.15 23 9 56 4223.8 23.26 197.73
 110.00 8 25 26 2626.57 -32.80 69.36 63.31 79.80 9 9 12 2026.6 -33.86 60.29
 110.00 22 44 26 4651.86 30.11 191.17 48.91 73.00 24 1 58 4051.9 27.49 182.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TCE .7780 TRA-2.0333 TC3 -.1060 BAU .4421 SGT 811.1 SGR 461.1 SG3 23.9 ST 323.7 SR 416.9 SS 306.8
 RDE-1.2705 RRA -.6203 RC3 .0051 FAU .01186 RRT .0738 RRF -.0659 RTF -.6101 CRT -.6793 CRS -.7278 CST .9957
 FDE -.3069 FRA .6956 FC3 -.0329 BSP 1895 SGB 933.0 R23 .0004 R13 -.6105 LSA 563.3 MSA 234.9 SSA 14.1
 BDE 1.4898 BRA 2.1258 BC3 .1061 FSP -48 SGI 812.1 SG2 459.2 TMA 3.54 EL1 487.1 EL2 203.3 ALF 124.68

LAUNCH DATE APR 29 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 10 1967

HELIOCENTRIC CONIC

DISTANCE 132.725

RL 150.64 LAL .00 LOL 218.00 VL 15.879 GAL 27.12 AZL 89.89 MCA 37.29 SMA 87.90 ECC .78192 INC .1058 V1 29.57H
 RP 108.62 LAP .06 LOP 255.29 VP 30.558 GAP -50.10 A7P 89.91 TAL 171.46 TAP 208.75 RCA 19.17 APO 156.63 V2 34.888
 RC 82.729 GL .09 GP 2.42 ZAL 66.27 ZAP 33.03 ETS 186.61 ZAE 137.09 ETE 175.59 ZAC 151.90 ETC 39.85 CLP 32.95

PLANETOCENTRIC CONIC

C3 284.902 VML 16.867 CLA 10.94 RAL 153.78 RAD 6571.6 VEL 20.145 PTH 3.15 VMP 28.196 CPA 26.39 RAP 110.21 ECC 5.6422
 LNCH AZMTM LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 47 9 3128.74 -26.95 105.71 62.07 80.97 6 39 18 2528.7 -27.92 97.17
 90.00 20 32 57 5079.78 24.25 224.95 51.52 74.91 21 57 37 4479.8 21.94 217.04
 100.00 7 13 59 2848.73 -28.63 85.41 62.37 81.02 8 1 28 2248.7 -29.58 76.73
 100.00 21 48 48 4835.04 25.89 206.46 51.03 74.51 23 9 24 4235.0 -23.51 198.47
 110.00 8 34 39 2596.30 -33.14 67.07 63.20 81.11 9 17 55 1996.3 -34.02 57.94
 110.00 22 44 38 4660.22 30.28 191.76 49.59 73.32 24 2 18 4060.2 27.70 183.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TCE .7873 TRA-2.0471 TC3 -.1131 BAU .4308 SGT 847.8 SGR 467.4 SG3 25.8 ST 341.8 SR 420.9 SS 323.8
 RDE-1.2248 RRA -.6125 RC3 .0063 FAU .01193 RRT .0776 RRF -.0698 RTF -.6288 CRT -.6797 CRS -.7316 CST .9954
 FDE -.3233 FRA .7206 FC3 -.0363 BSP 2029 SGB 968.1 R23 .0000 R13 -.6292 LSA 583.5 MSA 241.1 SSA 14.3
 BDE 1.4560 BRA 2.1368 BC3 .1133 FSP -53 SGI 848.9 SG2 465.4 TMA 3.50 EL1 499.3 EL2 211.3 ALF 126.43

LAUNCH DATE APR 29 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 12 1967

HELIOCENTRIC CONIC

DISTANCE 138.249

RL 150.64 LAL .00 LOL 218.00 VL 16.637 GAL 25.90 AZL 90.19 MCA 40.46 SMA 89.36 ECC .75588 INC .1899 V1 29.57H
 RP 108.65 LAP -.12 LOP 258.47 VP 30.947 GAP -47.89 A7P 90.14 TAL 170.60 TAP 211.07 RCA 21.81 APO 156.91 V2 34.877
 RC 80.398 GL -.18 GP 2.48 ZAL 64.98 ZAP 31.54 ETS 186.88 ZAE 137.24 ETE 175.03 ZAC 150.50 ETC 38.02 CLP 31.45

PLANETOCENTRIC CONIC

C3 259.858 VML 16.120 CLA 10.23 RAL 154.90 RAD 6571.5 VEL 19.524 PTH 3.11 VMP 27.161 CPA 26.29 RAP 112.08 ECC 5.2766
 LNCH AZMTM LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 57 25 3093.76 -27.30 103.20 62.00 82.18 6 48 59 2493.8 -28.10 94.63
 90.00 20 31 38 5091.61 24.46 225.75 52.05 75.26 21 56 30 4491.6 21.19 217.81
 100.00 7 23 50 2815.05 -28.97 82.96 62.26 82.27 8 10 45 2215.1 -29.73 74.24
 100.00 21 47 54 4845.55 26.08 207.18 51.57 74.85 23 8 40 4245.5 23.74 199.16
 110.00 8 43 36 2565.45 -33.44 64.71 62.96 82.48 9 26 22 1965.4 -34.12 55.53
 110.00 22 44 37 4667.92 30.43 192.31 50.17 73.61 24 2 25 4067.9 27.88 184.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TCE .7960 TRA-2.0614 TC3 -.1204 BAU .4191 SGT 886.0 SGR 473.1 SG3 27.8 ST 360.6 SR 424.2 SS 341.2
 RDE-1.1792 RRA -.6036 RC3 .0076 FAU .01201 RRT .0816 RRF -.0759 RTF -.6470 CRT -.6797 CRS -.7351 CST .9952
 FDE .3399 FRA .7461 FC3 -.0400 BSP 2165 SGB 1004.4 R23 -.0004 R13 -.6473 LSA 604.4 MSA 247.0 SSA 14.5
 BDE 1.4227 BRA 2.1479 BC3 .1206 FSP -58 SGI 887.2 SG2 470.9 TMA 3.47 EL1 511.8 EL2 219.3 ALF 128.26

LAUNCH DATE APR 29 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 14 1967

HELIOCENTRIC CONIC

DISTANCE 143.885

RL 150.64 LAL .00 LOL 218.00 VL 17.350 GAL 24.75 AZL 90.45 MCA 43.64 SMA 90.84 ECC .72989 INC .4506 V1 29.57H
 RP 108.69 LAP -.31 LOP 261.64 VP 31.324 GAP -45.80 A7P 90.33 TAL 169.75 TAP 213.38 RCA 24.54 APO 157.14 V2 34.867
 RC 78.089 GL -.46 GP 2.55 ZAL 63.75 ZAP 30.08 ETS 187.19 ZAE 137.47 ETE 174.43 ZAC 149.06 ETC 36.33 CLP 29.98

PLANETOCENTRIC CONIC

C3 237.449 VML 15.409 CLA 9.52 RAL 155.96 RAD 6571.4 VEL 18.941 PTH 3.07 VMP 26.161 CPA 26.18 RAP 113.98 ECC 4.9078
 LNCH AZMTM LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 7 24 3058.25 -27.60 100.65 61.80 83.42 6 58 22 2458.2 28.23 92.04
 90.00 20 30 8 5102.67 24.65 226.51 52.47 75.60 21 55 11 4502.7 22.43 218.54
 100.00 7 33 25 2780.82 -29.25 80.46 62.01 83.56 8 19 46 2180.8 -29.84 71.70
 100.00 21 46 48 4855.33 26.25 207.86 52.01 75.16 23 7 44 4255.3 23.96 199.81
 110.00 8 52 18 2533.97 -33.70 62.29 62.58 83.89 9 34 32 1934.0 -34.18 53.08
 110.00 22 44 25 4674.95 30.56 192.82 50.65 73.88 24 2 20 4074.9 28.05 184.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TCE .8019 TRA-2.0780 TC3 -.1282 BAU .4079 SGT 926.7 SGR 478.2 SG3 30.0 ST 379.9 SR 427.0 SS 359.0
 RDE-1.1340 RRA -.5936 RC3 .0091 FAU .01209 RRT .0868 RRF -.0786 RTF -.6642 CRT -.6780 CRS -.7380 CST .9948
 FDE .3566 FRA .7721 FC3 -.0441 BSP 2252 SGB 1042.8 R23 -.0003 R13 -.6645 LSA 625.6 MSA 252.8 SSA 14.7
 BDE 1.3889 BRA 2.1611 BC3 .1285 FSP -63 SGI 927.9 SG2 475.8 TMA 3.48 EL1 524.3 EL2 227.4 ALF 130.10

LAUNCH DATE APR 29 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 16 1967

HELIOCENTRIC CONIC

DISTANCE 149.627

RL 150.64 LAL .00 LOL 218.00 VL 18.019 GAL 23.68 AZL 90.68 MCA 46.81 SMA 92.34 ECC .70410 INC .6826 V1 29.578
 RP 108.72 LAP -.50 LOP 264.81 VP 31.689 GAP -43.82 AZP 90.47 TAL 168.90 TAP 215.71 RCA 27.32 APO 157.35 V2 34.857
 RC 75.805 GL -.76 GP 2.62 ZAL 62.57 ZAP 28.64 ETS 187.53 ZAE 137.77 ETE 173.78 ZAC 147.57 ETC 34.78 CLP 28.53

PLANETOCENTRIC CONIC

C3 217.050 VHL 14.733 OLA 8.81 RAL 156.97 RAD 6571.2 VEL 18.395 PTH 3.04 VHP 25.195 DPA 26.04 RAP 115.89 ECC 4.5721
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 17 7 3022.15 -27.86 98.04 61.47 84.71 7 7 29 2422.2 -28.30 89.40
 90.00 20 28 27 5113.00 24.82 227.22 52.80 75.91 21 53 40 4513.0 22.64 219.22
 100.00 7 42 44 2745.97 -29.49 77.90 61.64 84.89 8 28 30 2146.0 -29.89 89.11
 100.00 21 45 31 4864.41 26.41 208.49 52.35 75.46 23 6 35 4264.4 24.15 200.42
 110.00 9 0 45 2501.84 -33.90 59.80 62.08 85.35 9 42 27 1901.8 -34.18 150.57
 110.00 22 43 59 4681.31 30.68 193.27 51.03 74.13 24 2 0 4081.3 28.20 184.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8016 TRA-2.1003 TC3 -.1372 BAU .3995 SGT 971.5 SGR 482.8 SG3 32.4 ST 398.5 SR 429.2 SS 376.9
 RDE -1.0893 RRA -.5829 RC3 .0109 FAU .01216 RRT .0950 RRF -.0844 RTF -.6797 CRT -.6725 CRS -.7397 CST .9939
 FDE -.3730 FRA .7993 FC3 -.0485 BSP 2205 SGB 1084.9 R23 .0010 R13 -.6800 LSA 646.3 MSA 259.1 SSA 15.0
 BDE 1.3525 BRA 2.1796 BC3 .1377 FSP -67 SG1 973.0 SG2 479.9 THA 3.57 EL1 .535.9 EL2 236.2 ALF 131.85

LAUNCH DATE APR 29 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 18 1967

HELIOCENTRIC CONIC

DISTANCE 155.463

RL 150.64 LAL .00 LOL 218.00 VL 18.647 GAL 22.66 AZL 90.89 MCA 49.98 SMA 93.84 ECC .67858 INC .8914 V1 29.578
 RP 108.75 LAP -.68 LOP 267.98 VP 32.040 GAP -41.93 AZP 90.57 TAL 168.06 TAP 218.04 RCA 30.16 APO 157.52 V2 34.848
 RC 73.549 GL -1.09 GP 2.70 ZAL 61.43 ZAP 27.22 ETS 187.93 ZAE 138.16 ETE 173.06 ZAC 146.05 ETC 33.36 CLP 27.10

PLANETOCENTRIC CONIC

C3 198.437 VHL 14.087 OLA 8.09 RAL 157.92 RAD 6571.1 VEL 17.882 PTH 3.00 VHP 24.259 DPA 25.89 RAP 117.82 ECC 4.2658
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 26 32 2985.45 -28.06 95.37 61.01 86.03 7 16 17 2385.4 -28.32 86.72
 90.00 20 26 34 5122.56 24.98 227.87 53.03 76.20 21 51 57 4522.6 22.83 219.86
 100.00 7 51 47 2710.49 -29.68 75.27 61.14 86.25 8 36 57 2110.5 -29.88 66.48
 100.00 21 44 0 4872.75 26.55 209.07 52.59 75.73 23 5 13 4272.8 24.33 200.97
 110.00 9 8 56 2469.03 -34.06 57.25 61.45 86.85 9 50 6 1869.0 -34.12 48.01
 110.00 22 43 20 4686.98 30.79 193.68 51.30 74.35 24 1 27 4087.0 28.33 185.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8490 TRA-2.0738 TC3 -.1369 BAU .3648 SGT 996.9 SGR 486.2 SG3 34.9 ST 429.8 SR 430.3 SS 398.8
 RDE -1.0437 RRA -.5701 RC3 .0131 FAU .01252 RRT .0800 RRF -.0828 RTF -.7038 CRT -.6956 CRS -.7483 CST .9958
 FDE -.3960 FRA .8208 FC3 -.0546 BSP 3320 SGB 1109.2 R23 -.0091 R13 -.7042 LSA 679.8 MSA 257.9 SSA 14.9
 BDE 1.3453 BRA 2.1508 BC3 .1375 FSP -84 SG1 997.9 SG2 484.2 THA 2.92 EL1 559.9 EL2 237.2 ALF 134.95

LAUNCH DATE APR 29 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 20 1967

HELIOCENTRIC CONIC

DISTANCE 161.397

RL 150.64 LAL .00 LOL 218.00 VL 19.238 GAL 21.70 AZL 91.08 MCA 53.15 SMA 95.35 ECC .65349 INC 1.0817 V1 29.578
 RP 108.77 LAP -.87 LOP 271.14 VP 32.378 GAP -40.13 AZP 90.65 TAL 167.24 TAP 220.39 RCA 33.04 APO 157.66 V2 34.839
 RC 71.325 GL -1.44 GP 2.79 ZAL 60.35 ZAP 25.83 ETS 188.37 ZAE 138.63 ETE 172.29 ZAC 144.48 ETC 32.05 CLP 25.68

PLANETOCENTRIC CONIC

C3 181.492 VHL 13.472 OLA 7.36 RAL 158.81 RAD 6570.9 VEL 17.402 PTH 2.96 VHP 23.355 DPA 25.72 RAP 119.77 ECC 3.9869
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 35 43 2948.06 -28.21 92.65 60.43 87.39 7 24 52 2348.1 -28.27 83.98
 90.00 20 24 29 5131.50 25.12 228.49 53.16 76.48 21 50 1 4531.5 23.01 220.45
 100.00 8 0 36 2674.31 -29.81 72.59 60.51 87.66 8 45 10 2074.3 -29.82 63.79
 100.00 21 42 18 4880.49 26.68 209.61 52.73 75.99 23 3 38 4280.5 24.49 201.49
 110.00 9 16 55 2435.48 -34.15 54.64 60.69 88.40 9 57 30 1835.5 -34.00 45.39
 110.00 22 42 28 4692.07 30.88 194.05 51.47 74.55 24 0 40 4092.1 28.45 185.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8356 TRA-2.1076 TC3 -.1484 BAU .3620 SGT 1050.2 SGR 489.7 SG3 37.6 ST 447.2 SR 431.3 SS 416.8
 RDE -.9999 RRA -.5580 RC3 .0153 FAU .01255 RRT .0947 RRF -.0911 RTF -.7157 CRT -.6828 CRS -.7478 CST .9944
 FDE -.4118 FRA .8505 FC3 -.0599 BSP 2992 SGB 1158.8 R23 -.0048 R13 -.7160 LSA 699.5 MSA 265.0 SSA 15.3
 BDE 1.3031 BRA 2.1802 BC3 .1492 FSP -86 SG1 1051.5 SG2 486.9 THA 3.22 EL1 569.9 EL2 247.2 ALF 136.52

LAUNCH DATE APR 29 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 22 1967

HELIOCENTRIC CONIC

DISTANCE 167.416

RL 150.64 LAL .00 LOL 218.00 VL 19.793 GAL 20.78 AZL 91.26 MCA 56.31 SMA 96.86 ECC .62887 INC 1.2566 V1 29.578
 RP 108.80 LAP -1.05 LOP 274.31 VP 32.702 GAP -38.42 AZP 90.70 TAL 166.43 TAP 222.75 RCA 35.95 APO 157.77 V2 34.831
 RC 69.138 GL -1.80 GP 2.89 ZAL 59.32 ZAP 24.45 ETS 188.89 ZAE 139.19 ETE 171.44 ZAC 142.89 ETC 30.84 CLP 24.29

PLANETOCENTRIC CONIC

C3 166.022 VHL 12.885 OLA 6.64 RAL 159.64 RAD 6570.8 VEL 16.951 PTH 2.92 VHP 22.479 DPA 25.53 RAP 121.72 ECC 3.7323
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 44 40 2909.96 -28.29 89.86 59.73 88.78 7 33 10 2310.0 -28.16 81.20
 90.00 20 22 10 5139.78 25.25 229.06 53.18 76.74 21 47 50 4539.8 23.17 221.00
 100.00 8 9 10 2637.40 -29.88 69.85 59.77 89.10 8 53 8 2037.4 -29.69 61.05
 100.00 21 40 21 4887.57 26.79 210.10 52.77 76.22 23 1 49 4287.6 24.63 201.97
 110.00 9 24 39 2401.19 -34.18 51.96 59.81 89.98 10 4 40 1801.2 -33.81 42.73
 110.00 22 41 22 4696.55 30.96 194.37 51.54 74.73 23 59 39 4096.5 28.55 186.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8422 TRA-2.1201 TC3 -.1557 BAU .3478 SGT 1096.3 SGR 492.2 SG3 40.6 ST 470.6 SR 431.4 SS 437.0
 RDE -.9560 RRA -.5448 RC3 .0179 FAU .01272 RRT .0997 RRF -.0964 RTF -.7309 CRT -.6817 CRS -.7501 CST .9940
 FDE -.4308 FRA .8780 FC3 -.0663 BSP 3159 SGB 1201.8 R23 -.0055 R13 -.7313 LSA 725.4 MSA 268.6 SSA 15.4
 BDE 1.2741 BRA 2.1889 BC3 .1567 FSP -94 SG1 1097.7 SG2 489.2 THA 3.20 EL1 585.9 EL2 253.5 ALF 138.65

LAUNCH DATE APR 29 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 24 1967

HELIOCENTRIC CONIC

DISTANCE 173.516

RL 150.64 LAL .00 LOL 218.00 VL 20.314 GAL 19.91 AZL 91.42 HCA 59.48 SMA 98.36 ECC .60479 INC 1.4191 V1 29.57H
 RP 108.82 LAP -1.22 LOP 277.47 VP 33.013 GAP -36.78 AZP 90.72 TAL 165.64 TAP 225.12 RCA 38.87 APO 157.84 V2 34.824
 RC 66.992 GL -2.20 GP 2.99 ZAL 58.34 ZAP 23.09 ETS 189.49 ZAE 139.84 ETE 170.51 ZAC 141.26 ETC 29.73 CLP 22.90

PLANETOCENTRIC CONIC

C3 151.901 VHL 12.325 DLA 5.90 RAL 160.41 RAD 6570.7 VEL 16.530 PTH 2.88 VHP 21.631 DPA 25.32 RAP 123.69 ECC 3.4999
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 53 23 2871.10 -28.32 87.02 58.91 90.21 7 41 14 2271.1 -27.99 78.37
 90.00 20 19 38 3147.47 25.37 229.59 53.11 76.98 21 45 25 4547.5 23.32 221.52
 100.00 8 17 31 2599.73 -29.89 67.05 58.90 90.57 9 0 51 1999.7 -29.49 58.27
 100.00 21 38 10 4894.08 26.90 210.56 52.71 76.44 22 59 45 4294.1 24.76 202.41
 110.00 9 32 10 2366.12 -34.15 49.22 58.81 91.60 10 11 36 1766.1 -33.55 40.03
 110.00 22 40 1 4700.45 31.03 194.66 51.50 74.88 23 58 22 4100.5 28.64 186.27

DIFFERENTIAL CORRECTIONS

TDE .8470 TRA-2.1330 TC3 -.1632 BAU .3341
 RDE -.9126 RRA -.5310 RC3 .0208 FAU .01290
 FDE -.4503 FRA .9064 FC3 -.0735 BSP 3299
 BDE 1.2451 BRA 2.1981 BC3 .1645 FSP -102

MID-COURSE EXECUTION ACCURACY

SGT 1144.8 SGR 494.2 SG3 43.7
 RRT .1055 RRF -.1024 RTF -.7453
 SGB 1246.9 R23 -.0060 R13 -.7457
 SG1 1146.3 SG2 490.8 TMA 3.19

ORBIT DETERMINATION ACCURACY

ST 494.6 SR 430.7 SS 457.8
 CRT -.6797 CRS -.7520 CST .9935
 LSA 752.0 MSA 271.9 SSA 15.6
 EL1 602.4 EL2 259.4 ALF 140.77

LAUNCH DATE APR 29 1967

FLIGHT TIME 88.00

ARRIVAL DATE JUL 26 1967

HELIOCENTRIC CONIC

DISTANCE 179.690

RL 150.64 LAL .00 LOL 218.00 VL 20.805 GAL 19.07 AZL 91.57 HCA 62.64 SMA 99.85 ECC .58133 INC 1.5712 V1 29.57H
 RP 108.84 LAP -1.40 LOP 280.64 VP 33.309 GAP -35.22 AZP 90.72 TAL 164.87 TAP 227.51 RCA 41.80 APO 157.89 V2 34.817
 RC 64.892 GL -2.62 GP 3.10 ZAL 57.41 ZAP 21.74 ETS 190.19 ZAE 140.58 ETE 169.48 ZAC 139.61 ETC 28.70 CLP 21.53

PLANETOCENTRIC CONIC

C3 139.008 VHL 11.790 DLA 5.16 RAL 161.13 RAD 6570.5 VEL 16.135 PTH 2.84 VHP 20.809 DPA 25.10 RAP 125.66 ECC 3.2877
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 1 53 2831.46 -28.27 84.12 57.98 91.66 7 49 4 2231.5 -27.74 75.50
 90.00 20 16 50 5154.63 25.48 230.09 52.93 77.20 21 42 45 4554.6 23.46 222.00
 100.00 8 25 39 2561.25 -29.83 64.19 57.92 92.08 9 8 21 1961.3 -29.22 55.44
 100.00 21 35 45 4900.07 26.99 210.98 52.54 76.64 22 57 25 4300.1 24.89 202.81
 110.00 9 39 28 2330.24 -34.05 46.42 57.69 93.25 10 18 18 1730.2 -33.22 37.28
 110.00 22 38 25 4703.85 31.09 194.90 51.36 75.01 23 56 49 4103.8 28.72 186.50

DIFFERENTIAL CORRECTIONS

TDE .8512 TRA-2.1452 TC3 -.1706 BAU .3202
 RDE -.8697 RRA -.5167 RC3 .0241 FAU .01311
 FDE -.4704 FRA .9355 FC3 -.0816 BSP 3440
 BDE 1.2169 BRA 2.2065 BC3 .1723 FSP -111

MID-COURSE EXECUTION ACCURACY

SGT 1195.2 SGR 495.4 SG3 47.1
 RRT .1118 RRF -.1087 RTF -.7590
 SGB 1293.8 R23 -.0066 R13 -.7593
 SG1 1196.7 SG2 491.6 TMA 3.19

ORBIT DETERMINATION ACCURACY

ST 519.5 SR 429.4 SS 479.2
 CRT -.6774 CRS -.7537 CST .9930
 LSA 779.8 MSA 274.7 SSA 15.8
 EL1 619.8 EL2 264.7 ALF 142.90

LAUNCH DATE APR 29 1967

FLIGHT TIME 90.00

ARRIVAL DATE JUL 28 1967

HELIOCENTRIC CONIC

DISTANCE 185.934

RL 150.64 LAL .00 LOL 218.00 VL 21.265 GAL 18.28 AZL 91.71 HCA 65.81 SMA 101.33 ECC .55850 INC 1.7148 V1 29.57H
 RP 108.86 LAP -1.56 LOP 283.80 VP 33.592 GAP -33.72 AZP 90.70 TAL 164.12 TAP 229.93 RCA 44.74 APO 157.92 V2 34.810
 RC 62.843 GL -3.07 GP 3.23 ZAL 56.54 ZAP 20.42 ETS 191.01 ZAE 141.42 ETE 168.35 ZAC 137.93 ETC 27.75 CLP 20.17

PLANETOCENTRIC CONIC

C3 127.234 VHL 11.280 DLA 4.40 RAL 161.78 RAD 6570.3 VEL 15.766 PTH 2.80 VHP 20.012 DPA 24.86 RAP 127.63 ECC 3.0940
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 10 11 2790.99 -28.16 81.17 56.94 93.14 7 56 42 2191.0 -27.42 72.58
 90.00 20 13 46 5161.33 25.58 230.55 52.66 77.42 21 39 47 4561.3 23.59 222.45
 100.00 8 33 35 2521.95 -29.69 61.28 56.83 93.61 9 15 37 1922.0 -28.88 52.57
 100.00 21 33 3 4905.60 27.08 211.37 52.28 76.83 22 54 48 4305.6 25.00 203.18
 110.00 9 46 34 2293.53 -33.87 43.57 56.47 94.93 10 24 48 1693.5 -32.81 34.49
 110.00 22 36 33 4706.79 31.14 195.12 51.12 75.13 23 55 0 4106.8 28.79 186.70

DIFFERENTIAL CORRECTIONS

TDE .8579 TRA-2.1532 TC3 -.1768 BAU .3045
 RDE -.8272 RRA -.5019 RC3 .0278 FAU .01335
 FDE -.4919 FRA .9649 FC3 -.0909 BSP 3656
 BDE 1.1918 BRA 2.2109 BC3 .1790 FSP -122

MID-COURSE EXECUTION ACCURACY

SGT 1245.9 SGR 495.9 SG3 50.8
 RRT .1171 RRF -.1151 RTF -.7727
 SGB 1341.0 R23 -.0079 R13 -.7730
 SG1 1247.5 SG2 491.8 TMA 3.16

ORBIT DETERMINATION ACCURACY

ST 546.2 SR 427.2 SS 501.8
 CRT -.6767 CRS -.7556 CST .9926
 LSA 809.9 MSA 276.5 SSA 15.9
 EL1 639.2 EL2 268.7 ALF 145.08

LAUNCH DATE APR 29 1967

FLIGHT TIME 92.00

ARRIVAL DATE JUL 30 1967

HELIOCENTRIC CONIC

DISTANCE 192.242

RL 150.64 LAL .00 LOL 218.00 VL 21.698 GAL 17.51 AZL 91.85 HCA 68.97 SMA 102.79 ECC .53637 INC 1.8514 V1 29.57H
 RP 108.88 LAP -1.73 LOP 286.96 VP 33.862 GAP -32.28 AZP 90.66 TAL 163.39 TAP 232.36 RCA 47.65 APO 157.92 V2 34.805
 RC 60.850 GL -3.55 GP 3.36 ZAL 55.72 ZAP 19.11 ETS 191.98 ZAE 142.35 ETE 167.08 ZAC 136.23 ETC 26.87 CLP 18.82

PLANETOCENTRIC CONIC

C3 116.484 VHL 10.793 DLA 3.64 RAL 162.38 RAD 6570.2 VEL 15.421 PTH 2.76 VHP 19.240 DPA 24.61 RAP 129.62 ECC 2.9170
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 18 17 2749.65 -27.97 78.16 55.79 94.64 8 4 7 2149.7 -27.03 69.62
 90.00 20 10 25 5167.67 25.67 230.99 52.29 77.62 21 36 33 4567.7 23.71 222.87
 100.00 8 41 20 2481.79 -29.49 58.31 55.64 95.15 9 22 42 1881.8 -28.46 49.66
 100.00 21 30 4 4910.77 27.16 211.73 51.91 77.01 22 51 55 4310.8 25.10 203.53
 110.00 9 53 29 2255.97 -33.61 40.67 55.14 96.63 10 31 5 1656.0 -32.33 31.67
 110.00 22 34 24 4709.35 31.18 195.30 50.77 75.23 23 52 53 4109.4 28.84 186.88

DIFFERENTIAL CORRECTIONS

TDE .8614 TRA-2.1627 TC3 -.1835 BAU .2901
 RDE -.7854 RRA -.4870 RC3 .0320 FAU .01361
 FDE -.5139 FRA .9956 FC3 -.1012 BSP 3810
 BDE 1.1657 BRA 2.2169 BC3 .1863 FSP -132

MID-COURSE EXECUTION ACCURACY

SGT 1299.8 SGR 495.7 SG3 54.8
 RRT .1242 RRF -.1224 RTF -.7852
 SGB 1391.1 R23 -.0087 R13 -.7855
 SG1 1301.5 SG2 491.2 TMA 3.16

ORBIT DETERMINATION ACCURACY

ST 573.0 SR 424.1 SS 525.0
 CRT -.6742 CRS -.7570 CST .9920
 LSA 840.4 MSA 278.1 SSA 16.1
 EL1 658.8 EL2 272.5 ALF 147.19

LAUNCH DATE APR 29 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 1 1967

DISTANCE 198.609

HELIOCENTRIC CONIC
 RL 150.64 LAL .00 LOP 218.00 VL 22.104 GAL 16.78 AZL 91.98 HCA 72.13 SMA 104.22 ECC .51494 INC 1.9823 V1 29.578
 RP 108.90 LAP -1.89 LOP 290.13 VP 34.119 GAP -30.90 AZP 90.61 TAL 162.68 TAP 234.82 RCA 50.55 APO 157.89 V2 34.800
 RC 58.919 GL -4.06 GP 3.51 ZAL 54.95 ZAP 17.82 ETS 193.13 ZAE 143.38 ETE 165.66 ZAC 134.51 ETC 26.06 CLP 17.48

PLANETOCENTRIC CONIC
 C3 106.669 VHL 10.328 DLA 2.87 RAL 162.91 RAD 6570.0 VEL 15.100 PTH 2.72 VHP 18.492 DPA 24.35 RAP 131.60 ECC 2.7555
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 26 13 2707.43 -27.70 75.10 54.54 96.15 8 11 20 2107.4 -26.56 66.62
 90.00 20 6 46 5173.74 25.76 231.42 51.82 77.81 21 33 0 4573.7 23.82 223.28
 100.00 8 48 54 2440.75 -29.20 55.29 54.35 96.72 9 29 34 1840.7 -27.96 46.71
 100.00 21 26 47 4915.66 27.23 212.07 51.45 77.17 22 48 42 4315.7 25.19 203.87
 110.00 10 0 12 2217.55 -33.27 37.72 53.72 98.35 10 37 10 1617.6 -31.76 28.82
 110.00 22 31 57 4711.62 31.22 195.47 50.33 75.32 23 50 29 4111.6 28.89 187.04

DIFFERENTIAL CORRECTIONS
 TOE .8667 TRA-2.1685 TC3 -.1889 BAU .2744
 RDE -.7441 RRA -.4718 RC3 .0366 FAU .01391
 FDE -.3374 FRA 1.0269 FC3 -.1129 BSP 4019
 BDE 1.1423 BRA 2.2193 BC3 .1924 FSP -145

MID-COURSE EXECUTION ACCURACY
 SGT 1354.3 SGR 494.8 SG3 59.1
 RRT .1308 RRF -.1301 RTF -.7975
 SGB 1441.9 R23 -.0102 R13 -.7979
 SGI 1356.1 SG2 489.9 THA 3.15

ORBIT DETERMINATION ACCURACY
 ST 601.6 SR 420.2 SS 549.3
 CRT -.6729 CRS -.7585 CST .9916
 LSA 873.1 MSA 278.7 SSA 16.2
 EL1 680.4 EL2 274.9 ALF 149.29

LAUNCH DATE APR 29 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 3 1967

DISTANCE 205.030

HELIOCENTRIC CONIC
 RL 150.64 LAL .00 LOP 218.00 VL 22.486 GAL 16.07 AZL 92.11 HCA 75.29 SMA 105.63 ECC .49425 INC 2.1086 V1 29.578
 RP 108.91 LAP -2.04 LOP 293.29 VP 34.363 GAP -29.57 AZP 90.54 TAL 162.01 TAP 237.30 RCA 53.42 APO 157.84 V2 34.795
 RC 57.057 GL -4.61 GP 3.67 ZAL 54.24 ZAP 16.55 ETS 194.51 ZAE 144.51 ETE 164.07 ZAC 132.78 ETC 25.30 CLP 16.14

PLANETOCENTRIC CONIC
 C3 97.711 VHL 9.885 DLA 2.08 RAL 163.39 RAD 6569.9 VEL 14.800 PTH 2.67 VHP 17.767 DPA 24.07 RAP 133.58 ECC 2.6081
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 33 59 2664.30 -27.34 71.99 53.20 97.67 8 18 23 2064.3 -26.00 63.58
 90.00 20 2 47 5179.66 25.84 231.83 51.26 78.00 21 29 7 4579.7 23.93 223.68
 100.00 8 56 18 2398.81 -28.82 52.23 52.96 98.29 9 36 17 1798.8 -27.38 43.73
 100.00 21 23 10 4920.38 27.30 212.41 50.90 77.33 22 45 10 4320.4 25.29 204.19
 110.00 10 6 45 2178.26 -32.84 34.73 52.21 100.06 10 43 4 1578.3 -31.10 25.94
 110.00 22 29 12 4713.69 31.26 195.62 49.80 75.41 23 47 45 4113.7 28.94 187.18

DIFFERENTIAL CORRECTIONS
 TOE .8722 TRA-2.1723 TC3 -.1933 BAU .2584
 RDE -.7034 RRA -.4566 RC3 .0419 FAU .01425
 FDE -.5622 FRA 1.0590 FC3 -.1262 BSP 4245
 BDE 1.1205 BRA 2.2198 BC3 .1978 FSP -158

MID-COURSE EXECUTION ACCURACY
 SGT 1410.4 SGR 493.2 SG3 63.8
 RRT .1379 RRF -.1385 RTF -.8094
 SGB 1494.1 R23 -.0119 R13 -.8097
 SGI 1412.2 SG2 487.8 THA 3.14

ORBIT DETERMINATION ACCURACY
 ST 631.4 SR 415.4 SS 574.8
 CRT -.6716 CRS -.7599 CST .9912
 LSA 907.6 MSA 278.6 SSA 16.3
 EL1 703.5 EL2 276.2 ALF 151.34

LAUNCH DATE APR 29 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 5 1967

DISTANCE 211.500

HELIOCENTRIC CONIC
 RL 150.64 LAL .00 LOP 218.00 VL 22.844 GAL 15.40 AZL 92.23 HCA 78.45 SMA 107.02 ECC .47431 INC 2.2312 V1 29.578
 RP 108.92 LAP -2.19 LOP 296.45 VP 34.595 GAP -28.30 AZP 90.45 TAL 161.36 TAP 239.81 RCA 56.26 APO 157.78 V2 34.792
 RC 55.270 GL -5.20 GP 3.84 ZAL 53.59 ZAP 15.29 ETS 196.18 ZAE 145.74 ETE 162.26 ZAC 131.03 ETC 24.60 CLP 14.81

PLANETOCENTRIC CONIC
 C3 89.539 VHL 9.462 DLA 1.27 RAL 163.80 RAD 6569.8 VEL 14.522 PTH 2.64 VHP 17.064 DPA 23.79 RAP 135.57 ECC 2.4736
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 41 37 2620.22 -26.90 68.84 51.78 99.19 8 25 17 2020.2 -25.36 60.51
 90.00 19 58 28 5185.55 25.93 232.24 50.61 78.19 21 24 53 4585.6 24.04 224.08
 100.00 9 3 33 2355.94 -28.36 49.13 51.50 99.86 9 42 49 1755.9 -26.71 40.72
 100.00 21 19 13 4925.07 27.37 212.74 50.26 77.49 22 41 18 4325.1 25.38 204.51
 110.00 10 13 9 2138.09 -32.32 31.72 50.62 101.78 10 48 47 1538.1 -30.36 23.05
 110.00 22 26 6 4715.68 31.29 195.76 49.18 75.49 23 44 42 4115.7 28.98 187.32

DIFFERENTIAL CORRECTIONS
 TOE .8771 TRA-2.1748 TC3 -.1969 BAU .2425
 RDE -.6634 RRA -.4414 RC3 .0477 FAU .01462
 FDE -.5884 FRA 1.0925 FC3 -.1413 BSP 4466
 BDE 1.0997 BRA 2.2191 BC3 .2026 FSP -173

MID-COURSE EXECUTION ACCURACY
 SGT 1468.3 SGR 490.9 SG3 68.9
 RRT .1478 RRF -.1479 RTF -.8206
 SGB 1548.2 R23 -.0136 R13 -.8210
 SGI 1470.2 SG2 485.0 THA 3.14

ORBIT DETERMINATION ACCURACY
 ST 662.1 SR 409.6 SS 601.4
 CRT -.6699 CRS -.7610 CST .9907
 LSA 943.6 MSA 277.9 SSA 16.4
 EL1 727.7 EL2 276.7 ALF 153.34

LAUNCH DATE APR 29 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 7 1967

DISTANCE 218.015

HELIOCENTRIC CONIC
 RL 150.64 LAL .00 LOP 218.00 VL 23.180 GAL 14.75 AZL 92.35 HCA 81.61 SMA 108.37 ECC .45512 INC 2.3511 V1 29.578
 RP 108.93 LAP -2.33 LOP 299.61 VP 34.815 GAP -27.07 AZP 90.34 TAL 160.73 TAP 242.35 RCA 59.05 APO 157.69 V2 34.789
 RC 53.566 GL -5.83 GP 4.03 ZAL 53.00 ZAP 14.06 ETS 198.22 ZAE 147.06 ETE 160.20 ZAC 129.26 ETC 23.95 CLP 13.48

PLANETOCENTRIC CONIC
 C3 82.087 VHL 9.060 DLA .45 RAL 164.15 RAD 6569.6 VEL 14.263 PTH 2.60 VHP 16.382 DPA 23.50 RAP 137.55 ECC 2.3510
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 49 7 2575.19 -26.37 65.65 50.28 100.70 8 32 2 1975.2 -24.63 57.42
 90.00 19 53 45 5191.57 26.01 232.66 49.88 78.39 21 20 17 4591.6 24.15 224.49
 100.00 9 10 40 2312.14 -27.81 45.99 49.96 101.42 9 49 12 1712.1 -25.95 37.68
 100.00 21 14 53 4929.85 27.44 213.08 49.54 77.66 22 37 3 4329.9 25.47 204.83
 110.00 10 19 23 2097.04 -31.71 28.67 48.97 103.49 10 54 20 1497.0 -29.53 20.14
 110.00 22 22 39 4717.72 31.33 195.91 48.47 75.57 23 41 17 4117.7 29.03 187.46

DIFFERENTIAL CORRECTIONS
 TOE .8822 TRA-2.1752 TC3 -.1992 BAU .2266
 RDE -.6239 RRA -.4264 RC3 .0541 FAU .01503
 FDE -.6163 FRA 1.1270 FC3 -.1585 BSP 4699
 BDE 1.0806 BRA 2.2166 BC3 .2065 FSP -189

MID-COURSE EXECUTION ACCURACY
 SGT 1527.7 SGR 487.9 SG3 74.4
 RRT .1548 RRF -.1548 RTF -.8313
 SGB 1603.7 R23 -.0156 R13 -.8317
 SGI 1529.8 SG2 481.3 THA 3.14

ORBIT DETERMINATION ACCURACY
 ST 694.0 SR 402.8 SS 629.4
 CRT -.6681 CRS -.7620 CST .9903
 LSA 981.5 MSA 276.5 SSA 16.5
 EL1 753.5 EL2 276.0 ALF 155.27

LAUNCH DATE APR 29 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC
 RL 150.64 LAL .00 LOL 218.00 VL 23.495 GAL 14.13 AZL 92.47 MCA 84.77 SMA 109.69 ECC .43670 INC 2.4690 V1 29.578
 RP 108.94 LAP -2.46 LOP 302.77 VP 35.023 GAP -25.89 AZP 90.23 TAL 160.14 TAP 244.92 RCA 61.79 APO 157.59 V2 34.786
 RC 51.953 GL -6.49 GP 4.24 ZAL 52.47 ZAP 12.86 ETS 200.75 ZAE 148.46 ETE 157.83 ZAC 127.49 ETC 23.34 CLP 12.15

PLANETOCENTRIC CONIC
 C3 75.299 VML 8.678 DLA -1.40 RAL 164.44 RAD 6569.5 VEL 14.023 PTH 2.56 VMP 15.722 DPA 23.21 RAP 139.53 ECC 2.2392
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 56 30 2529.19 -25.75 62.43 48.71 102.20 8 38 39 1929.2 -23.81 54.29
 90.00 19 48 38 5197.88 26.09 233.10 49.06 78.60 21 15 16 4597.9 24.26 224.92
 100.00 9 17 40 2267.40 -27.17 42.82 48.36 102.97 9 55 27 1667.4 -25.11 34.63
 100.00 21 10 10 4934.90 27.52 213.43 48.73 77.83 22 32 25 4334.9 25.56 205.18
 110.00 10 25 29 2055.11 -31.00 25.61 47.26 105.17 10 59 44 1455.1 -28.61 17.22
 110.00 22 18 50 4719.96 31.37 196.08 47.69 75.66 23 37 30 4120.0 29.08 187.62

DIFFERENTIAL CORRECTIONS
 TOE .8842 TRA-2.1766 TC3 -.2017 BAU .2122 SGT 1590.2 SGR 484.2 SG3 80.5 ST 725.8 SR 394.9 SS 658.4
 RDE -.5852 RRA -.4117 RC3 .0612 FAU .01545 RRT .1661 RRF -.1706 RTF -.8409 CRT -.6644 CRS -.7622 CST .9896
 FDE -.6456 FRA 1.1635 FC3 -.1777 BSP 4860 SGB 1662.3 R23 -.0173 R13 -.8413 LSA 1020.0 MSA 274.9 SSA 16.7
 BDE 1.0603 BRA 2.2152 BC3 .2108 FSP -205 SG1 1592.5 SG2 476.8 TMA 3.18 EL1 779.2 EL2 274.9 ALF 157.12

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 29 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC
 RL 150.64 LAL .00 LOL 218.00 VL 23.791 GAL 13.53 AZL 92.59 MCA 87.93 SMA 110.97 ECC .41904 INC 2.5857 V1 29.578
 RP 108.94 LAP -2.58 LOP 305.93 VP 35.221 GAP -24.75 AZP 90.09 TAL 159.58 TAP 247.52 RCA 64.47 APO 157.47 V2 34.785
 RC 50.440 GL -7.21 GP 4.48 ZAL 52.00 ZAP 11.70 ETS 203.90 ZAE 149.93 ETE 155.09 ZAC 125.71 ETC 22.78 CLP 10.82

PLANETOCENTRIC CONIC
 C3 69.118 VML 8.314 DLA -1.27 RAL 164.66 RAD 6569.3 VEL 13.801 PTH 2.52 VMP 15.082 DPA 22.92 RAP 141.50 ECC 2.1375
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 3 48 2482.19 -25.03 59.17 47.09 103.68 8 45 10 1882.2 -22.91 51.15
 90.00 19 43 5 5204.65 26.18 233.58 48.17 78.82 21 9 50 4604.7 24.38 225.38
 100.00 9 24 34 2221.70 -26.43 39.63 46.70 104.50 10 1 35 1621.7 -24.18 31.55
 100.00 21 5 1 4940.38 27.59 213.82 47.85 78.02 22 27 21 4340.4 25.66 205.55
 110.00 10 31 27 2012.30 -30.20 22.53 45.50 106.83 11 5 0 1412.3 -27.60 14.30
 110.00 22 14 37 4722.54 31.41 196.26 46.83 75.76 23 33 19 4122.5 29.13 187.60

DIFFERENTIAL CORRECTIONS
 TOE .8889 TRA-2.1735 TC3 -.2014 BAU .1967 SGT 1652.9 SGR 480.0 SG3 87.0 ST 759.9 SR 385.9 SS 689.4
 RDE -.5470 RRA -.3973 RC3 .0691 FAU .01594 RRT .1776 RRF -.1839 RTF -.8504 CRT -.6618 CRS -.7623 CST .9891
 FDE -.6777 FRA 1.2011 FC3 -.1997 BSP 5090 SGB 1721.2 R23 -.0198 R13 -.8508 LSA 1061.7 MSA 272.3 SSA 16.7
 BDE 1.0437 BRA 2.2095 BC3 .2129 FSP -224 SG1 1655.3 SG2 471.6 TMA 3.21 EL1 807.6 EL2 272.2 ALF 158.92

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 29 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC
 RL 150.64 LAL .00 LOL 218.00 VL 24.068 GAL 12.96 AZL 92.70 MCA 91.09 SMA 112.21 ECC .40214 INC 2.7020 V1 29.578
 RP 108.94 LAP -2.70 LOP 309.10 VP 35.408 GAP -23.66 AZP 89.95 TAL 159.06 TAP 250.15 RCA 67.09 APO 157.34 V2 34.784
 RC 49.035 GL -7.98 GP 4.73 ZAL 51.60 ZAP 10.59 ETS 207.88 ZAE 151.46 ETE 151.91 ZAC 123.92 ETC 22.25 CLP 9.48

PLANETOCENTRIC CONIC
 C3 63.497 VML 7.969 DLA -2.16 RAL 164.81 RAD 6569.2 VEL 13.596 PTH 2.49 VMP 14.462 DPA 22.64 RAP 143.47 ECC 2.0450
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 11 3 2434.19 -24.22 55.89 45.43 105.14 8 51 37 1834.2 -21.91 47.98
 90.00 19 37 3 5212.09 26.28 234.10 47.22 79.06 21 3 55 4612.1 24.51 225.88
 100.00 9 31 23 2175.04 -25.59 36.41 45.00 106.00 10 7 38 1575.0 -23.15 28.46
 100.00 20 59 24 4946.47 27.68 214.25 46.90 78.24 22 21 51 4346.5 25.78 205.97
 110.00 10 37 19 1968.63 -29.30 19.45 43.71 108.45 11 10 8 1368.6 -26.50 11.38
 110.00 22 9 57 4725.65 31.46 196.49 45.90 75.89 23 28 43 4125.6 29.20 188.01

DIFFERENTIAL CORRECTIONS
 TOE .8938 TRA-2.1684 TC3 -.1991 BAU .1814 SGT 1717.0 SGR 475.1 SG3 94.1 ST 795.1 SR 375.6 SS 722.2
 RDE -.5095 RRA -.3835 RC3 .0779 FAU .01649 RRT .1909 RRF -.1992 RTF -.8595 CRT -.6587 CRS -.7619 CST .9886
 FDE -.7122 FRA 1.2404 FC3 -.2248 BSP 5323 SGB 1781.5 R23 -.0225 R13 -.8600 LSA 1105.5 MSA 269.0 SSA 16.8
 BDE 1.0288 BRA 2.2021 BC3 .2137 FSP -245 SG1 1719.6 SG2 465.6 TMA 3.26 EL1 837.4 EL2 268.3 ALF 160.65

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 29 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC
 RL 150.64 LAL .00 LOL 218.00 VL 24.328 GAL 12.42 AZL 92.82 MCA 94.25 SMA 113.42 ECC .38599 INC 2.8184 V1 29.578
 RP 108.94 LAP -2.81 LOP 312.26 VP 35.584 GAP -22.60 AZP 89.79 TAL 158.56 TAP 252.81 RCA 69.64 APO 157.19 V2 34.784
 RC 47.750 GL -8.79 GP 5.01 ZAL 51.26 ZAP 9.55 ETS 212.94 ZAE 153.02 ETE 148.17 ZAC 122.12 ETC 21.76 CLP 8.14

PLANETOCENTRIC CONIC
 C3 58.391 VML 7.641 DLA -3.08 RAL 164.89 RAD 6569.1 VEL 13.407 PTH 2.45 VMP 13.861 DPA 22.36 RAP 145.43 ECC 1.9610
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 18 15 2385.15 -23.31 52.59 43.72 106.55 8 58 0 1785.2 -20.82 44.80
 90.00 19 30 31 5220.41 26.39 234.69 46.20 79.34 20 57 31 4620.4 24.65 226.45
 100.00 9 38 9 2127.40 -24.66 33.18 43.27 107.45 10 13 36 1527.4 -22.04 25.36
 100.00 20 53 18 4953.40 27.77 214.75 45.89 78.48 22 15 51 4353.4 25.90 206.45
 110.00 10 43 6 1924.09 -28.30 16.37 41.89 110.02 11 15 10 1324.1 -25.31 8.47
 110.00 22 4 51 4729.47 31.52 196.77 44.92 76.04 23 23 40 4129.5 29.29 188.28

DIFFERENTIAL CORRECTIONS
 TOE .8988 TRA-2.1613 TC3 -.1947 BAU .1667 SGT 1782.3 SGR 469.7 SG3 101.9 ST 831.5 SR 363.9 SS 756.9
 RDE -.4724 RRA -.3702 RC3 .0875 FAU .01708 RRT .2062 RRF -.2168 RTF -.8681 CRT -.6549 CRS -.7608 CST .9882
 FDE -.7497 FRA 1.2816 FC3 -.2533 BSP 5558 SGB 1843.1 R23 -.0256 R13 -.8686 LSA 1151.6 MSA 265.1 SSA 16.9
 BDE 1.0154 BRA 2.1927 BC3 .2135 FSP -268 SG1 1785.1 SG2 458.9 TMA 3.33 EL1 868.6 EL2 263.3 ALF 162.33

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 29 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 251.100

RL 150.64 LAL .00 LOL 218.00 VL 24.570 GAL 11.89 AZL 92.94 MCA 97.41 SMA 114.58 ECC .37059 INC 2.9334 V1 29.578
 RP 108.94 LAP -2.91 LOP 315.42 VP 35.751 GAP -21.58 AZP 89.62 TAL 158.10 TAP 255.52 RCA 72.12 APO 157.04 V2 34.785
 RC 46.594 GL -9.67 GP 5.33 ZAL 51.00 ZAP 8.62 ETS 219.38 ZAE 154.56 ETE 143.79 ZAC 120.33 ETC 21.31 CLP 6.78

PLANETOCENTRIC CONIC

C3 53.760 VML 7.332 OLA -4.04 RAL 164.90 RAD 6568.9 VEL 13.233 PTH 2.42 VMP 13.279 DPA 22.10 RAP 147.38 ECC 1.8847
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 25 26 2335.06 -22.30 49.26 41.99 107.92 9 4 21 1735.1 -19.64 41.60
 90.00 19 23 25 5229.85 26.51 235.35 45.13 79.65 20 50 35 4629.8 24.81 227.10
 100.00 9 44 53 2078.77 -23.63 29.93 41.51 108.86 10 19 32 1478.8 -20.83 22.25
 100.00 20 46 39 4961.38 27.88 215.32 44.83 78.76 22 9 21 4361.4 26.05 206.99
 110.00 10 48 48 1878.70 -27.20 13.29 40.05 111.54 11 20 6 1278.7 -24.03 5.56
 110.00 21 59 14 4734.21 31.60 197.12 43.88 76.23 23 18 8 4134.2 29.39 188.61

DIFFERENTIAL CORRECTIONS

TDE .9045 TRA-2.1519 TC3 -.1880 BAU .1524
 ROE -.4359 RRA -.3578 RC3 .0980 FAU .01773
 FDE -.7906 FRA 1.3248 FC3 -.2856 BSP 5796
 BDE 1.0041 BRA 2.1814 BC3 .2120 FSP -293

MID-COURSE EXECUTION ACCURACY

SGT 1848.6 SGR 463.9 SG3 110.4
 RRT .2240 RRF -.2371 RTF -.8763
 SGB 1905.9 R23 -.0291 R13 -.8768
 SG1 1851.7 SG2 451.4 TMA 3.42

ORBIT DETERMINATION ACCURACY

ST 869.2 SR 350.9 SS 793.9
 CRT -.6502 CRS -.7587 CST .9877
 LSA 1200.3 MSA 260.5 SSA 16.9
 EL1 901.4 EL2 257.1 ALF 163.95

LAUNCH DATE APR 29 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 257.792

RL 150.64 LAL .00 LOL 218.00 VL 24.797 GAL 11.39 AZL 93.06 MCA 100.57 SMA 115.70 ECC .35592 INC 3.0550 V1 29.578
 RP 108.94 LAP -3.00 LOP 318.59 VP 35.909 GAP -20.59 AZP 89.44 TAL 157.68 TAP 258.25 RCA 74.52 APO 156.88 V2 34.786
 RC 45.578 GL -10.60 GP 5.67 ZAL 50.80 ZAP 7.84 ETS 227.51 ZAE 156.03 ETE 138.64 ZAC 118.53 ETC 20.88 CLP 5.42

PLANETOCENTRIC CONIC

C3 49.565 VML 7.040 OLA -5.03 RAL 164.84 RAD 6568.8 VEL 13.074 PTH 2.39 VMP 12.717 DPA 21.86 RAP 149.33 ECC 1.8157
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 32 39 2283.88 -21.19 45.92 40.24 109.24 9 10 43 1683.9 -18.37 38.38
 90.00 19 15 43 5240.67 26.64 236.12 44.01 80.01 20 43 4 4640.7 24.98 227.84
 100.00 9 51 38 2029.12 -22.50 26.68 39.74 110.22 10 25 27 1429.1 -19.54 19.13
 100.00 20 39 26 4970.66 28.00 215.98 43.72 79.09 22 2 17 4370.7 26.21 207.64
 110.00 10 54 27 1832.45 -26.01 10.23 38.21 113.00 11 24 59 1232.5 -22.67 2.67
 110.00 21 53 6 4740.09 31.70 197.55 42.80 76.47 23 12 6 4140.1 29.51 189.02

DIFFERENTIAL CORRECTIONS

TDE .9111 TRA-2.1403 TC3 -.1785 BAU .1388
 ROE -.3998 RRA -.3463 RC3 .1095 FAU .01845
 FDE -.8355 FRA 1.3703 FC3 -.3223 BSP 6039
 BDE .9950 BRA 2.1682 BC3 .2094 FSP -321

MID-COURSE EXECUTION ACCURACY

SGT 1915.9 SGR 457.9 SG3 119.8
 RRT .2446 RRF -.2606 RTF -.8840
 SGB 1969.8 R23 -.0331 R13 -.8846
 SG1 1919.3 SG2 443.2 TMA 3.54

ORBIT DETERMINATION ACCURACY

ST 908.3 SR 336.3 SS 833.4
 CRT -.6442 CRS -.7554 CST .9874
 LSA 1251.9 MSA 255.4 SSA 17.0
 EL1 935.8 EL2 249.7 ALF 165.53

LAUNCH DATE APR 29 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 264.499

RL 150.64 LAL .00 LOL 218.00 VL 25.010 GAL 10.91 AZL 93.18 MCA 103.73 SMA 116.78 ECC .34197 INC 3.1767 V1 29.578
 RP 108.93 LAP -3.09 LOP 321.75 VP 36.058 GAP -19.64 AZP 89.25 TAL 157.30 TAP 261.02 RCA 76.84 APO 156.71 V2 34.788
 RC 44.711 GL -11.60 GP 6.06 ZAL 50.69 ZAP 7.28 ETS 237.47 ZAE 157.38 ETE 132.63 ZAC 116.73 ETC 20.49 CLP 4.03

PLANETOCENTRIC CONIC

C3 45.774 VML 6.766 OLA -6.06 RAL 164.71 RAD 6568.7 VEL 12.928 PTH 2.36 VMP 12.172 DPA 21.64 RAP 151.26 ECC 1.7533
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 39 56 2231.56 -19.98 42.56 38.49 110.50 9 17 7 1631.6 -17.01 35.14
 90.00 19 7 22 5253.14 26.78 237.00 42.85 80.44 20 34 55 4653.1 25.18 228.70
 100.00 9 58 24 1978.43 -21.27 23.42 37.96 111.52 10 31 22 1378.4 -18.16 16.00
 100.00 20 31 35 4981.51 28.14 216.76 42.58 79.48 21 54 36 4381.5 26.40 208.39
 110.00 11 0 4 1785.35 -24.72 7.18 36.37 114.40 11 29 50 1185.3 -21.22 359.78
 110.00 21 46 24 4747.35 31.81 198.09 41.68 76.77 23 5 31 4147.4 29.66 189.54

DIFFERENTIAL CORRECTIONS

TDE .9183 TRA-2.1268 TC3 -.1661 BAU .1262
 ROE -.3640 RRA -.3358 RC3 .1221 FAU .01924
 FDE -.8850 FRA 1.4185 FC3 -.3639 BSP 6278
 BDE .9878 BRA 2.1531 BC3 .2062 FSP -351

MID-COURSE EXECUTION ACCURACY

SGT 1983.9 SGR 451.8 SG3 130.0
 RRT .2690 RRF -.2881 RTF -.8913
 SGB 2034.7 R23 -.0377 R13 -.8919
 SG1 1987.8 SG2 434.3 TMA 3.68

ORBIT DETERMINATION ACCURACY

ST 948.7 SR 320.0 SS 875.6
 CRT -.6362 CRS -.7501 CST .9870
 LSA 1306.3 MSA 249.8 SSA 17.0
 EL1 971.8 EL2 241.1 ALF 167.08

LAUNCH DATE APR 29 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 271.219

RL 150.64 LAL .00 LOL 218.00 VL 25.208 GAL 10.46 AZL 93.30 MCA 106.89 SMA 117.81 ECC .32874 INC 3.3017 V1 29.578
 RP 108.92 LAP -3.16 LOP 324.92 VP 36.199 GAP -18.72 AZP 89.04 TAL 156.95 TAP 263.83 RCA 79.08 APO 156.54 V2 34.791
 RC 44.000 GL -12.67 GP 6.50 ZAL 50.65 ZAP 7.01 ETS 248.97 ZAE 158.50 ETE 125.72 ZAC 114.93 ETC 20.12 CLP 2.63

PLANETOCENTRIC CONIC

C3 42.355 VML 6.508 OLA -7.13 RAL 164.50 RAD 6568.6 VEL 12.795 PTH 2.33 VMP 11.646 DPA 21.46 RAP 153.19 ECC 1.6971
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 47 19 2178.05 -18.67 39.18 36.74 111.69 9 23 37 1578.1 -15.56 31.88
 90.00 18 58 17 5267.59 26.94 238.03 41.66 80.93 20 26 5 4667.6 25.41 229.70
 100.00 10 5 15 1926.65 -19.94 20.14 36.19 112.74 10 37 22 1326.6 -16.69 12.86
 100.00 20 23 2 4994.23 28.30 217.67 41.40 79.93 21 46 16 4394.2 26.61 209.27
 110.00 11 5 42 1737.38 -23.34 4.14 34.54 115.72 11 34 39 1137.4 -19.68 356.90
 110.00 21 39 5 4756.26 31.95 198.75 40.54 77.14 22 58 21 4156.3 29.85 190.16

DIFFERENTIAL CORRECTIONS

TDE .9268 TRA-2.1110 TC3 -.1504 BAU .1148
 ROE -.3283 RRA -.3266 RC3 .1359 FAU .02011
 FDE -.9399 FRA 1.4693 FC3 -.4110 BSP 6523
 BDE .9832 BRA 2.1361 BC3 .2027 FSP -384

MID-COURSE EXECUTION ACCURACY

SGT 2052.3 SGR 445.2 SG3 141.2
 RRT .2976 RRF -.3201 RTF -.8981
 SGB 2100.2 R23 -.0428 R13 -.8988
 SG1 2056.8 SG2 424.8 TMA 3.86

ORBIT DETERMINATION ACCURACY

ST 990.7 SR 301.9 SS 921.1
 CRT -.6253 CRS -.7422 CST .9867
 LSA 1364.3 MSA 243.8 SSA 17.0
 EL1 1009.5 EL2 231.2 ALF 168.61

LAUNCH DATE APR 29 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 277.949

RL 150.64 LAL .00 LOL 218.00 VL 25.393 GAL 10.02 AZL 93.43 MCA 110.05 SMA 118.79 ECC .31619 INC 3.4310 V1 29.578
 RP 108.91 LAP -3.22 LOP 328.09 VP 36.331 GAP -17.83 AZP 88.82 TAL 156.63 TAP 266.68 RCA 81.23 APO 156.36 V2 34.795
 RC 43.455 GL -13.81 GP 6.98 ZAL 50.70 ZAP 7.09 ETS 261.13 ZAE 159.32 ETE 117.96 ZAC 113.14 ETC 19.77 CLP 1.21

PLANETOCENTRIC CONIC

C3 39.281 VML 6.267 DLA -8.25 RAL 164.20 RAD 6568.5 VEL 12.675 PTH 2.30 VMP 11.137 DPA 21.31 RAP 155.12 ECC 1.6465
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 54 52 2123.26 -17.25 35.78 35.00 112.81 9 30 15 1523.3 -14.02 28.60
 90.00 18 48 25 5284.34 27.11 239.23 40.45 81.50 20 16 29 4684.3 25.66 230.86
 100.00 10 12 13 1873.72 -18.51 16.86 34.43 113.90 10 43 27 1273.7 -15.13 9.71
 100.00 20 13 45 5009.12 28.47 218.74 40.21 80.47 21 37 14 4409.1 26.86 210.31
 110.00 11 11 22 1688.53 -21.86 1.11 32.74 116.96 11 39 30 1088.5 -18.07 354.03
 110.00 21 31 6 4767.07 32.11 199.55 39.39 77.59 22 50 33 4167.1 30.07 190.93

DIFFERENTIAL CORRECTIONS

TOE .0366 TRA-2.0931 TC3 -.11318 BAU .1050
 RDE -.2926 RRA -.3190 RC3 .1509 FAU .02105
 FDE-1.0009 FRA 1.5234 FC3 -.4638 BSP 6756
 BDE .9813 BRA 2.1173 BC3 .2000 FSP -421

MID-COURSE EXECUTION ACCURACY

SGT 2121.0 SGR 440.6 SG3 153.5
 RRT .3312 RRF -.3575 RTF -.9047
 SGB 2166.2 R23 -.0487 R13 -.9034
 SGI 2126.2 SG2 414.7 TMA 4.09

ORBIT DETERMINATION ACCURACY

ST 1034.2 SR 281.8 SS 969.8
 CRT -.6101 CRS -.7301 CST .9865
 LSA 1425.8 MSA 237.4 SSA 16.9
 EL1 1049.1 EL2 220.1 ALF 170.12

LAUNCH DATE APR 29 1967

FLIGHT TIME 120.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 284.686

RL 150.64 LAL .00 LOL 218.00 VL 25.565 GAL 9.61 AZL 93.57 MCA 113.21 SMA 119.74 ECC .30433 INC 3.5656 V1 29.578
 RP 108.90 LAP -3.28 LOP 331.25 VP 36.456 GAP -16.96 AZP 88.59 TAL 156.36 TAP 269.57 RCA 83.30 APO 156.18 V2 34.799
 RC 43.079 GL -15.03 GP 7.53 ZAL 50.84 ZAP 7.53 ETS 272.70 ZAE 159.75 ETE 109.58 ZAC 111.35 ETC 19.44 CLP -.23

PLANETOCENTRIC CONIC

C3 36.527 VML 6.044 DLA -9.42 RAL 163.83 RAD 6568.4 VEL 12.566 PTH 2.28 VMP 10.646 DPA 21.22 RAP 157.03 ECC 1.6011
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 2 38 2067.08 -15.74 32.35 33.29 113.85 9 37 5 1467.1 -12.38 25.28
 90.00 18 37 40 5303.79 27.30 240.62 39.23 82.18 20 6 4 4703.8 25.94 232.22
 100.00 10 19 22 1819.56 -16.99 13.56 32.70 114.97 10 49 41 1219.6 -13.48 6.53
 100.00 20 3 38 5026.54 28.66 220.00 39.00 81.11 21 27 24 4426.5 27.13 211.53
 110.00 11 17 6 1638.76 -20.29 358.10 30.95 118.12 11 44 25 1038.8 -16.38 351.17
 110.00 21 22 23 4780.10 32.29 200.52 38.23 78.13 22 42 3 4180.1 30.32 191.85

DIFFERENTIAL CORRECTIONS

TOE .9482 TRA-2.0745 TC3 -.1116 BAU .0982
 RDE -.2565 RRA -.3129 RC3 .1673 FAU .02208
 FDE-1.0693 FRA 1.5807 FC3 -.5234 BSP 6975
 BDE .9803 BRA 2.0980 BC3 .2010 FSP -462

MID-COURSE EXECUTION ACCURACY

SGT 2190.2 SGR 436.4 SG3 167.0
 RRT .3705 RRF -.4010 RTF -.9101
 SGB 2233.2 R23 -.0559 R13 -.9109
 SGI 2196.3 SG2 404.2 TMA 4.37

ORBIT DETERMINATION ACCURACY

ST 1078.1 SR 259.4 SS 1022.4
 CRT -.5870 CRS -.7118 CST .9861
 LSA 1490.3 MSA 231.3 SSA 16.8
 EL1 1089.2 EL2 207.9 ALF 171.65

LAUNCH DATE APR 29 1967

FLIGHT TIME 122.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 291.427

RL 150.64 LAL .00 LOL 218.00 VL 25.726 GAL 9.21 AZL 93.71 MCA 116.37 SMA 120.63 ECC .29312 INC 3.7068 V1 29.578
 RP 108.88 LAP -3.32 LOP 334.42 VP 36.573 GAP -16.13 AZP 88.35 TAL 156.12 TAP 272.49 RCA 85.27 APO 155.99 V2 34.804
 RC 42.876 GL -16.34 GP 8.15 ZAL 51.06 ZAP 8.33 ETS 282.72 ZAE 159.74 ETE 100.95 ZAC 109.57 ETC 19.14 CLP -1.71

PLANETOCENTRIC CONIC

C3 34.071 VML 5.837 DLA -10.64 RAL 163.38 RAD 6568.3 VEL 12.468 PTH 2.26 VMP 10.173 DPA 21.20 RAP 158.95 ECC 1.5607
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 10 43 2009.36 -14.12 28.89 31.61 114.80 9 44 12 1409.4 -10.66 21.92
 90.00 18 25 57 5326.35 27.50 242.24 38.01 82.97 19 54 43 4726.3 26.24 233.80
 100.00 10 26 45 1764.05 -15.36 10.24 31.00 115.96 10 56 9 1164.0 -11.75 3.32
 100.00 19 52 36 5046.89 28.86 221.48 37.80 81.86 21 16 43 4446.9 27.44 212.97
 110.00 11 22 57 1588.03 -18.64 355.10 29.21 119.19 11 49 26 988.0 -14.61 348.30
 110.00 21 12 53 4795.68 32.51 201.68 37.08 78.79 22 32 48 4195.7 30.62 192.97

DIFFERENTIAL CORRECTIONS

TOE .9623 TRA-2.0503 TC3 -.0821 BAU .0921
 RDE -.2198 RRA -.3089 RC3 .1849 FAU .02321
 FDE-1.1462 FRA 1.6416 FC3 -.5899 BSP 7246
 BDE .9871 BRA 2.0734 BC3 .2023 FSP -506

MID-COURSE EXECUTION ACCURACY

SGT 2257.2 SGR 434.0 SG3 181.8
 RRT .4159 RRF -.4509 RTF -.9167
 SGB 2298.5 R23 -.0634 R13 -.9177
 SGI 2264.6 SG2 393.4 TMA 4.71

ORBIT DETERMINATION ACCURACY

ST 1126.8 SR 234.9 SS 1079.4
 CRT -.5553 CRS -.6833 CST .9863
 LSA 1561.9 MSA 223.8 SSA 16.6
 EL1 1134.5 EL2 194.0 ALF 173.20

LAUNCH DATE APR 29 1967

FLIGHT TIME 124.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 298.170

RL 150.64 LAL .00 LOL 218.00 VL 25.875 GAL 8.83 AZL 93.86 MCA 119.53 SMA 121.48 ECC .28255 INC 3.8559 V1 29.578
 RP 108.87 LAP -3.35 LOP 337.59 VP 36.684 GAP -15.32 AZP 88.10 TAL 155.91 TAP 275.45 RCA 87.16 APO 155.81 V2 34.809
 RC 42.849 GL -17.73 GP 8.85 ZAL 51.38 ZAP 9.42 ETS 290.82 ZAE 159.26 ETE 92.55 ZAC 107.79 ETC 18.85 CLP -3.22

PLANETOCENTRIC CONIC

C3 31.893 VML 5.647 DLA -11.92 RAL 162.83 RAD 6568.3 VEL 12.380 PTH 2.23 VMP 9.717 DPA 21.24 RAP 160.85 ECC 1.5249
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 19 11 1949.89 -12.39 25.37 29.97 115.67 9 51 41 1349.9 -8.84 18.50
 90.00 18 13 8 5352.52 27.70 244.13 36.79 83.89 19 42 21 4752.5 26.57 235.65
 100.00 10 34 28 1707.03 -13.63 6.89 29.34 116.86 11 2 55 1107.0 -9.92 .07
 100.00 19 40 33 5070.62 29.08 223.21 36.61 82.75 21 5 3 4470.6 27.77 214.65
 110.00 11 29 0 1536.25 -16.89 352.10 27.51 120.17 11 54 36 936.2 -12.76 345.43
 110.00 21 2 30 4814.16 32.74 203.07 35.95 79.58 22 22 44 4214.2 30.96 194.31

DIFFERENTIAL CORRECTIONS

TOE .9806 TRA-2.0236 TC3 -.0491 BAU .0895
 RDE -.1819 RRA -.3071 RC3 .2041 FAU .02449
 FDE-1.2340 FRA 1.7052 FC3 -.6648 BSP 7545
 BDE .9973 BRA 2.0468 BC3 .2099 FSP -558

MID-COURSE EXECUTION ACCURACY

SGT 2322.9 SGR 434.3 SG3 198.1
 RRT .4677 RRF -.5072 RTF -.9226
 SGB 2363.2 R23 -.0721 R13 -.9238
 SGI 2332.0 SG2 382.4 TMA 5.14

ORBIT DETERMINATION ACCURACY

ST 1177.3 SR 207.9 SS 1141.6
 CRT -.5044 CRS -.6374 CST .9865
 LSA 1638.7 MSA 216.4 SSA 16.4
 EL1 1182.1 EL2 178.8 ALF 174.79

LAUNCH DATE APR 29 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 2 1967

DISTANCE 304.912

REL 150.64 LAL .00 LOL 218.00 VL 26.014 GAL 8.48 AZL 94.01 MCA 122.70 SMA 122.29 ECC .27261 INC 4.0148 V1 29.578
 RP 108.85 LAP -3.38 LOP 340.77 VP 36.788 GAP -14.54 AZP 87.83 TAL 155.74 TAP 278.44 RCA 88.95 APO 155.63 V2 34.815
 RC 42.995 GL -19.21 GP 9.65 ZAL 51.80 ZAP 10.76 ETS 297.09 ZAE 158.35 ETE 84.81 ZAC 106.03 ETC 18.58 CLP -4.77

PLANETOCENTRIC CONIC

C3 29.978 VHL 5.475 DLA -13.27 RAL 162.20 RAD 6568.2 VEL 12.302 PTH 2.22 VMP 9.279 DPA 21.39 RAP 162.77 ECC 1.4934
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 28 12 1888.40 -10.55 21.79 28.39 116.43 9 59 40 1288.4 -6.92 15.00
 90.00 17 59 5 5382.90 27.90 246.33 35.60 84.98 19 28 48 4782.9 26.92 237.80
 100.00 10 42 37 1648.30 -11.80 3.49 27.74 117.66 11 10 5 1048.3 -8.01 356.76
 100.00 19 27 21 5098.23 29.30 225.23 35.44 83.79 20 52 19 4498.2 28.13 216.63
 110.00 11 35 17 1483.32 -15.06 349.09 25.86 121.06 12 0 1 883.3 -10.83 342.54
 110.00 20 51 10 4835.97 33.00 204.72 34.85 80.53 22 11 46 4236.0 31.34 195.89

DIFFERENTIAL CORRECTIONS

TOE .9991 TRA-1.9976 TC3 -.0158 BAU .0904
 RDE -.1424 RRA -.3080 RC3 .2249 FAU .02583
 FDE-1.3325 FRA 1.7741 FC3 -.7458 BSP 7767
 BDE 1.0092 BRA 2.0212 BC3 .2255 FSP -612

MID-COURSE EXECUTION ACCURACY

SGT 2388.8 SGR 438.8 SG3 216.0
 RRT .5258 RRF -.5698 RTF -.9278
 SGB 2428.8 R23 -.0821 R13 -.9291
 SG1 2400.2 SG2 371.5 THA 5.65

ORBIT DETERMINATION ACCURACY

ST 1228.1 SR 179.2 SS 1208.5
 CRT -.4170 CRS -.5580 CST .9866
 LSA 1719.5 MSA 209.8 SSA 16.1
 EL1 1230.4 EL2 162.6 ALF 176.46

LAUNCH DATE APR 29 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 4 1967

DISTANCE 311.651

REL 150.64 LAL .00 LOL 218.00 VL 26.143 GAL 8.14 AZL 94.19 MCA 125.86 SMA 123.05 ECC .26328 INC 4.1855 V1 29.578
 RP 108.85 LAP -3.39 LOP 343.94 VP 36.885 GAP -13.78 AZP 87.55 TAL 155.61 TAP 281.47 RCA 90.66 APO 155.45 V2 34.822
 RC 43.312 GL -20.79 GP 10.57 ZAL 52.32 ZAP 12.32 ETS 301.83 ZAE 157.05 ETE 78.02 ZAC 104.27 ETC 18.32 CLP -6.36

PLANETOCENTRIC CONIC

C3 28.311 VHL 5.321 DLA -14.69 RAL 161.47 RAD 6568.1 VEL 12.235 PTH 2.20 VMP 8.859 DPA 21.64 RAP 164.68 ECC 1.4659
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 37 54 1824.49 -8.59 18.12 26.88 117.09 10 8 18 1224.5 -4.89 11.40
 90.00 17 43 36 5418.19 28.09 248.89 34.43 86.25 19 13 54 4818.2 27.27 240.32
 100.00 10 51 20 1587.54 -9.86 .03 26.21 118.36 11 17 48 987.5 -5.99 353.37
 100.00 19 12 51 5130.37 29.51 227.60 34.30 85.02 20 38 21 4530.4 28.51 218.94
 110.00 11 41 55 1429.10 -13.13 346.07 24.27 121.85 12 5 44 829.1 -8.83 339.62
 110.00 20 38 45 4861.57 33.27 206.67 33.79 81.65 21 59 47 4261.6 31.76 197.77

DIFFERENTIAL CORRECTIONS

TOE 1.0210 TRA-1.9693 TC3 .0201 BAU .0940
 RDE -.1004 RRA -.3119 RC3 .2475 FAU .02727
 FDE-1.4449 FRA 1.8469 FC3 -.8340 BSP 7993
 BDE 1.0259 BRA 1.9939 BC3 .2483 FSP -672

MID-COURSE EXECUTION ACCURACY

SGT 2452.6 SGR 449.0 SG3 235.6
 RRT .5884 RRF -.6365 RTF -.9326
 SGB 2493.4 R23 -.0936 R13 -.9342
 SG1 2467.1 SG2 360.9 THA 6.28

ORBIT DETERMINATION ACCURACY

ST 1281.1 SR 150.3 SS 1281.2
 CRT -.2615 CRS -.4124 CST .9868
 LSA 1806.6 MSA 203.4 SSA 15.7
 EL1 1281.7 EL2 145.0 ALF 178.22

LAUNCH DATE APR 29 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 6 1967

DISTANCE 318.385

REL 150.64 LAL .00 LOL 218.00 VL 26.262 GAL 7.82 AZL 94.37 MCA 129.03 SMA 123.77 ECC .25453 INC 4.3704 V1 29.578
 RP 108.80 LAP -3.39 LOP 347.11 VP 36.977 GAP -13.04 AZP 87.24 TAL 155.51 TAP 284.53 RCA 92.27 APO 155.27 V2 34.830
 RC 43.796 GL -22.48 GP 11.63 ZAL 52.95 ZAP 14.09 ETS 305.35 ZAE 155.45 ETE 72.31 ZAC 102.52 ETC 18.07 CLP -8.01

PLANETOCENTRIC CONIC

C3 26.883 VHL 5.185 DLA -16.19 RAL 160.65 RAD 6568.1 VEL 12.176 PTH 2.19 VMP 8.457 DPA 22.03 RAP 166.61 ECC 1.4424
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 48 31 1757.61 -6.50 14.32 25.46 117.62 10 17 48 1157.6 -2.75 7.65
 90.00 17 26 25 5459.30 28.23 251.89 33.29 87.75 18 57 24 4859.3 27.62 243.28
 100.00 11 0 48 1524.34 -7.79 356.47 24.76 118.95 11 26 13 924.3 -3.87 349.88
 100.00 18 56 49 5167.79 29.70 230.37 33.21 86.46 20 22 56 4567.8 28.90 221.65
 110.00 11 49 0 1373.38 -11.11 343.02 22.77 122.54 12 11 53 773.4 -6.74 336.66
 110.00 20 25 7 4891.52 33.54 208.97 32.79 82.99 21 46 38 4291.5 32.21 199.99

DIFFERENTIAL CORRECTIONS

TOE 1.0467 TRA-1.9390 TC3 .0580 BAU .0999
 RDE -.0550 RRA -.3194 RC3 .2719 FAU .02882
 FDE-1.5734 FRA 1.9237 FC3 -.9281 BSP 8207
 BDE 1.0481 BRA 1.9651 BC3 .2780 FSP -737

MID-COURSE EXECUTION ACCURACY

SGT 2513.9 SGR 467.2 SG3 257.0
 RRT .6528 RRF -.7046 RTF -.9371
 SGB 2556.9 R23 -.1065 R13 -.9391
 SG1 2532.7 SG2 351.3 THA 7.05

ORBIT DETERMINATION ACCURACY

ST 1336.4 SR 126.2 SS 1360.2
 CRT .0210 CRS -.1370 CST .9872
 LSA 1900.7 MSA 197.4 SSA 15.2
 EL1 1336.4 EL2 126.2 ALF .11

LAUNCH DATE APR 29 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 8 1967

DISTANCE 325.113

REL 150.64 LAL .00 LOL 218.00 VL 26.373 GAL 7.52 AZL 94.57 MCA 132.19 SMA 124.44 ECC .24635 INC 4.5727 V1 29.578
 RP 108.78 LAP -3.39 LOP 350.29 VP 37.063 GAP -12.32 AZP 86.93 TAL 155.43 TAP 287.63 RCA 93.79 APO 155.10 V2 34.838
 RC 44.440 GL -24.29 GP 12.86 ZAL 53.68 ZAP 16.06 ETS 307.90 ZAE 153.60 ETE 67.69 ZAC 100.78 ETC 17.82 CLP -9.70

PLANETOCENTRIC CONIC

C3 25.688 VHL 5.068 DLA -17.77 RAL 159.73 RAD 6568.0 VEL 12.127 PTH 2.17 VMP 8.076 DPA 22.58 RAP 168.57 ECC 1.4228
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 0 21 1686.93 -4.25 10.34 24.16 118.02 10 28 28 1086.9 -.47 3.70
 90.00 17 7 12 5507.44 28.31 255.41 32.19 89.51 18 39 0 4907.4 27.95 246.77
 100.00 11 11 16 1458.10 -5.59 352.78 23.42 119.41 11 35 34 858.1 -1.63 346.24
 100.00 18 38 58 5211.51 29.84 233.61 32.16 88.17 20 5 50 4611.5 29.27 224.85
 110.00 11 56 40 1315.87 -8.99 339.92 21.35 123.12 12 18 36 715.9 -4.56 333.63
 110.00 20 10 4 4926.50 33.80 211.67 31.86 84.56 21 32 10 4326.5 32.68 202.61

DIFFERENTIAL CORRECTIONS

TOE 1.0796 TRA-1.9040 TC3 .1013 BAU .1083
 RDE -.0046 RRA -.3310 RC3 .2985 FAU .03053
 FDE-1.7221 FRA 2.0024 FC3 -1.0289 BSP 8477
 BDE 1.0796 BRA 1.9326 BC3 .3152 FSP -812

MID-COURSE EXECUTION ACCURACY

SGT 2570.8 SGR 496.0 SG3 280.3
 RRT .7159 RRF -.7702 RTF -.9418
 SGB 2618.2 R23 -.1199 R13 -.9442
 SG1 2595.7 SG2 343.0 THA 8.01

ORBIT DETERMINATION ACCURACY

ST 1396.2 SR 118.4 SS 1446.8
 CRT .4452 CRS .3022 CST .9878
 LSA 2005.0 MSA 191.1 SSA 14.5
 EL1 1397.2 EL2 105.9 ALF 2.17

LAUNCH DATE APR 29 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 331.832

RL 150.64 LAL .00 LOL 218.00 VL 26.475 GAL 7.24 AZL 94.80 MCA 135.36 SMA 125.08 ECC .23871 INC 4.7966 V1 29.57H
 RP 108.75 LAP -3.37 LOP 353.47 VP 37.144 GAP -11.63 AZP 86.58 TAL 155.39 TAP 290.75 RCA 95.22 APO 154.93 V2 34.846
 RC 45.237 GL -26.21 GP 14.28 ZAL 54.53 ZAP 18.24 ETS 309.68 ZAE 151.56 ETE 64.10 ZAC 99.04 ETC 17.57 CLP -11.46

PLANETOCENTRIC CONIC

C3 24.725 VHL 4.972 OLA -19.44 RAL 158.70 RAD 6568.0 VEL 12.087 PTH 2.16 VHP 7.715 DPA 23.33 RAP 170.56 ECC 1.4069
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 13 53 1611.21 -1.82 6.11 23.00 118.26 10 40 45 1011.2 1.97 359.48
 90.00 16 45 26 5564.33 28.28 259.57 31.14 91.59 18 18 10 4964.3 28.20 250.91
 100.00 11 23 5 1387.90 -3.23 348.91 22.22 119.73 11 46 13 787.9 .75 342.39
 100.00 18 18 55 5262.87 29.89 237.43 31.16 90.17 19 46 38 4662.9 29.60 228.63
 110.00 12 5 8 1256.15 -6.75 336.74 20.04 123.59 12 26 4 656.1 -2.29 330.50
 110.00 19 53 22 4967.39 34.02 214.84 31.02 86.43 21 16 9 4367.4 33.15 205.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1152 TRA-1.8697 TC3 .1404 BAU .1177 SGT 2625.0 SGR 538.5 SG3 305.5 ST 1456.4 SR 141.3 SS 1539.8
 RDE .0523 RRA -.3477 RC3 .3271 FAU .03225 RRT .7736 RRF -.8294 RTF -.9458 CRT .8008 CRS .7017 CST .9883
 FDE-1.8915 FRA 2.0850 FC3-1.1294 BSP .8686 SGB 2679.6 R23 -.1348 R13 -.9487 LSA 2115.9 MSA 186.3 SSA 13.8
 BDE 1.1164 BRA 1.9018 BC3 .3559 FSP -.890 SGI 2658.4 SG2 336.9 TMA 9.17 EL1 1460.8 EL2 84.4 ALF 4.46

LAUNCH DATE APR 29 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 338.541

RL 150.64 LAL .00 LOL 218.00 VL 26.569 GAL 6.97 AZL 95.05 MCA 138.53 SMA 125.67 ECC .23161 INC 5.0471 V1 29.57H
 RP 108.72 LAP -3.34 LOP 356.64 VP 37.219 GAP -10.96 AZP 86.21 TAL 155.38 TAP 293.91 RCA 96.56 APO 154.77 V2 34.856
 RC 46.178 GL -28.27 GP 15.96 ZAL 55.50 ZAP 20.65 ETS 310.84 ZAE 149.37 ETE 61.43 ZAC 97.30 ETC 17.31 CLP -13.28

PLANETOCENTRIC CONIC

C3 24.000 VHL 4.899 OLA -21.21 RAL 157.55 RAD 6568.0 VEL 12.057 PTH 2.16 VHP 7.378 DPA 24.33 RAP 172.62 ECC 1.3950
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 29 52 1528.33 .85 1.49 22.04 118.31 10 55 20 928.3 4.63 354.84
 90.00 16 20 18 5632.60 28.05 264.55 30.10 94.08 17 54 11 5032.6 28.32 255.90
 100.00 11 36 48 1312.31 -.68 344.76 21.18 119.89 11 58 40 712.3 3.31 338.23
 100.00 17 56 3 5323.85 29.79 241.96 30.22 92.56 19 24 47 4723.8 29.83 233.15
 110.00 12 14 40 1193.61 -4.38 333.45 18.87 123.93 12 34 34 593.6 .10 327.24
 110.00 19 34 40 5015.32 34.16 218.58 30.27 88.64 20 58 15 4415.3 33.59 209.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1599 TRA-1.8308 TC3 .1822 BAU .1289 SGT 2673.4 SGR 598.2 SG3 332.4 ST 1521.5 SR 196.8 SS 1641.2
 RDE .1185 RRA -.3701 RC3 .3581 FAU .03410 RRT .8235 RRF -.8791 RTF -.9499 CRT .9487 CRS .8929 CST .9891
 FDE-2.0878 FRA 2.1664 FC3-1.2300 BSP .8948 SGB 2739.5 R23 -.1488 R13 -.9535 LSA 2239.2 MSA 181.4 SSA 12.9
 BDE 1.1659 BRA 1.8678 BC3 .4018 FSP -.978 SGI 2719.1 SG2 333.7 TMA 10.60 EL1 1532.9 EL2 61.7 ALF 7.01

LAUNCH DATE APR 29 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 345.239

RL 150.64 LAL .00 LOL 218.00 VL 26.655 GAL 6.72 AZL 95.33 MCA 141.70 SMA 126.22 ECC .22502 INC 5.3313 V1 29.57H
 RP 108.69 LAP -3.30 LOP 359.82 VP 37.290 GAP -10.30 AZP 85.81 TAL 155.38 TAP 297.08 RCA 97.82 APO 154.62 V2 34.865
 RC 47.255 GL -30.47 GP 17.94 ZAL 56.60 ZAP 23.33 ETS 311.48 ZAE 147.01 ETE 59.61 ZAC 95.55 ETC 17.03 CLP -15.17

PLANETOCENTRIC CONIC

C3 23.529 VHL 4.851 OLA -23.09 RAL 156.27 RAD 6568.0 VEL 12.038 PTH 2.15 VHP 7.067 DPA 25.61 RAP 174.76 ECC 1.3872
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 49 36 1434.42 3.88 356.24 21.35 118.07 11 13 31 834.4 7.60 349.54
 90.00 15 50 23 5716.81 27.49 270.65 29.05 97.09 17 25 40 5116.8 28.18 262.05
 100.00 11 53 17 1228.88 2.15 340.18 20.39 119.82 12 13 46 628.9 6.11 333.62
 100.00 17 29 23 5397.57 29.44 247.41 29.29 95.40 18 59 21 4797.6 29.88 238.63
 110.00 12 25 40 1127.34 -1.86 329.98 17.89 124.14 12 44 27 527.3 2.64 323.78
 110.00 19 13 29 5071.89 34.16 222.99 29.62 91.25 20 38 1 4471.9 33.96 213.76

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2091 TRA-1.7934 TC3 .2147 BAU .1402 SGT 2717.7 SGR 679.1 SG3 360.5 ST 1586.5 SR 279.5 SS 1748.4
 RDE .1972 RRA -.3997 RC3 .3906 FAU .03580 RRT .8633 RRF -.9179 RTF -.9533 CRT .9904 CRS .9616 CST .9897
 FDE-2.3105 FRA 2.2479 FC3-1.3174 BSP .9128 SGB 2801.3 R23 -.1629 R13 -.9579 LSA 2370.7 MSA 178.2 SSA 12.0
 BDE 1.2251 BRA 1.8374 BC3 .4458 FSP -1066 SGI 2781.2 SG2 334.9 TMA 12.36 EL1 1610.5 EL2 38.0 ALF 9.90

LAUNCH DATE APR 29 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 351.923

RL 150.64 LAL .00 LOL 218.00 VL 26.735 GAL 6.49 AZL 95.66 MCA 144.87 SMA 126.73 ECC .21892 INC 5.6586 V1 29.57H
 RP 108.66 LAP -3.25 LOP 37.01 VP 37.357 GAP -9.66 AZP 85.37 TAL 155.41 TAP 300.28 RCA 98.99 APO 154.47 V2 34.875
 RC 48.458 GL -32.83 GP 20.28 ZAL 57.83 ZAP 26.32 ETS 311.70 ZAE 144.47 ETE 58.55 ZAC 93.78 ETC 16.71 CLP -17.14

PLANETOCENTRIC CONIC

C3 23.338 VHL 4.831 OLA -25.09 RAL 154.85 RAD 6567.9 VEL 12.030 PTH 2.15 VHP 6.787 DPA 27.24 RAP 177.03 ECC 1.3841
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 16 1 1320.69 7.48 349.83 21.08 117.39 11 38 2 720.7 11.10 343.01
 90.00 15 12 38 5826.56 26.32 278.47 27.87 100.84 16 49 45 5226.6 27.55 270.02
 100.00 12 14 13 1132.77 5.39 334.88 19.94 119.45 12 33 6 532.8 9.27 328.25
 100.00 16 57 7 5489.71 28.66 254.14 28.32 98.87 18 28 37 4889.7 29.59 245.46
 110.00 12 38 46 1055.79 .88 326.25 17.14 124.17 12 56 21 455.8 5.36 320.03
 110.00 18 49 4 5139.45 33.94 228.26 29.04 94.36 20 14 44 4539.5 34.17 219.02

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2761 TRA-1.7458 TC3 .2551 BAU .1549 SGT 2752.9 SGR 786.0 SG3 389.4 ST 1661.7 SR 389.0 SS 1865.9
 RDE .2942 RRA -.4364 RC3 .4260 FAU .03768 RRT .8948 RRF -.9464 RTF -.9574 CRT .9991 CRS .9859 CST .9908
 FDE-2.5709 FRA 2.3146 FC3-1.3977 BSP .9506 SGB 2863.0 R23 -.1710 R13 -.9632 LSA 2522.7 MSA 173.3 SSA 10.9
 BDE 1.3096 BRA 1.7995 BC3 .4966 FSP -1171 SGI 2842.7 SG2 339.8 TMA 14.55 EL1 1706.5 EL2 15.7 ALF 13.17

LAUNCH DATE APR 29 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 358.593

RL 150.64 LAL .00 LOL 218.00 VL 26.807 GAL 6.27 AZL 96.04 MCA 148.04 SMA 127.20 ECC .21330 INC 6.0420 V1 29.578
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.419 GAP -9.04 AZP 84.87 TAL 155.46 TAP 303.50 RCA 100.07 APO 154.33 V2 34.886
 RC 49.776 GL -35.37 GP 23.09 ZAL 59.21 ZAP 29.68 ETS 311.55 ZAE 141.68 ETE 58.17 ZAC 91.97 ETC 16.34 CLP -19.19

PLANETOCENTRIC CONIC

C3 23.477 VHL 4.845 DLA -27.23 RAL 153.27 RAD 6568.0 VEL 12.036 PTH 2.15 VMP 6.545 DPA 29.30 RAP 179.50 ECC 1.3864
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 59 4 1156.05 12.50 340.33 21.69 115.62 12 18 20 556.0 15.85 333.26
 90.00 14 16 57 706.05 23.66 312.11 26.15 106.03 14 28 43 106.1 25.63 303.99
 100.00 12 43 41 1011.90 9.38 328.13 20.07 118.51 13 0 33 411.9 13.12 321.34
 100.00 16 15 1 5613.47 27.04 262.98 27.12 103.24 17 48 34 5013.5 28.60 254.52
 110.00 12 55 2 976.26 3.91 322.10 16.73 123.99 13 11 18 376.3 8.35 315.82
 110.00 18 20 9 5221.88 33.33 234.61 28.49 98.07 19 47 11 4621.9 34.09 225.46

DIFFERENTIAL CORRECTIONS

TDE 1.3608 TRA-1.6918 TC3 .2955 BAU .1724
 RDE .4167 RRA -.4816 RC3 .4632 FAU .03948
 FDE-2.8686 FRA 2.3607 FC3-1.4558 BSP 10015
 BDE 1.4231 BRA 1.7590 BC3 .5494 FSP -1285

MID-COURSE EXECUTION ACCURACY

SGT 2780.8 SGR 924.3 SG3 417.5
 RRT .9190 RRF -.9660 RTF -.9618
 SGB 2930.4 R23 -.1724 R13 -.9689
 SG1 2909.6 SG2 348.3 TMA 17.24

ORBIT DETERMINATION ACCURACY

ST 1744.9 SR 529.0 SS 1990.8
 CRT .9995 CRS .9948 CST .9920
 LSA 2694.4 MSA 167.6 SSA 9.8
 EL1 1823.3 EL2 16.5 ALF 16.86

LAUNCH DATE APR 29 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 365.260

RL 150.64 LAL .00 LOL 218.00 VL 26.874 GAL 6.08 AZL 96.50 MCA 151.21 SMA 127.64 ECC .20816 INC 6.5005 V1 29.578
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.477 GAP -8.44 AZP 84.30 TAL 155.50 TAP 306.72 RCA 101.07 APO 154.21 V2 34.897
 RC 51.201 GL -38.10 GP 26.45 ZAL 60.74 ZAP 33.47 ETS 311.08 ZAE 138.56 ETE 58.37 ZAC 90.10 ETC 15.87 CLP -21.30

PLANETOCENTRIC CONIC

C3 24.036 VHL 4.903 DLA -29.51 RAL 151.51 RAD 6568.0 VEL 12.059 PTH 2.16 VMP 6.353 DPA 31.86 RAP 182.28 ECC 1.3956
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.33 11 49 49 1166.67 19.26 344.27 23.35 112.80 12 9 15 566.7 22.19 336.72
 98.67 14 12 9 706.95 19.28 310.51 23.36 112.78 14 23 56 107.0 22.20 302.96
 100.00 13 42 8 803.04 15.89 316.04 21.76 115.66 13 55 31 203.0 19.21 308.82
 100.00 15 2 31 5833.85 22.73 277.92 24.80 109.96 16 39 44 5233.9 25.24 270.02
 110.00 13 16 43 883.16 7.44 317.19 16.87 123.46 13 31 26 283.2 11.79 310.79
 110.00 17 44 25 5326.49 32.05 242.51 27.86 102.58 19 13 12 4726.5 33.45 233.55

DIFFERENTIAL CORRECTIONS

TDE 1.3207 TRA-1.7771 TC3 .0888 BAU .1502
 RDE .5519 RRA -.5629 RC3 .4589 FAU .03432
 FDE-3.0627 FRA 2.5257 FC3-1.2362 BSP 7183
 BDE 1.4314 BRA 1.8641 BC3 .4674 FSP -1107

MID-COURSE EXECUTION ACCURACY

SGT 2843.4 SGR 1090.8 SG3 438.7
 RRT .9152 RRF -.9781 RTF -.9505
 SGB 3045.4 R23 -.2214 R13 -.9626
 SG1 3017.1 SG2 414.3 TMA 19.73

ORBIT DETERMINATION ACCURACY

ST 1701.4 SR 683.8 SS 2042.6
 CRT .9952 CRS .9981 CST .9876
 LSA 2737.1 MSA 205.8 SSA 8.7
 EL1 1832.6 EL2 62.1 ALF 21.83

LAUNCH DATE APR 29 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 371.890

RL 150.64 LAL .00 LOL 218.00 VL 26.934 GAL 5.89 AZL 97.06 MCA 154.39 SMA 128.04 ECC .20342 INC 7.0622 V1 29.578
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.531 GAP -7.85 AZP 83.63 TAL 155.58 TAP 309.96 RCA 101.99 APO 154.09 V2 34.908
 RC 52.722 GL -41.08 GP 30.52 ZAL 62.48 ZAP 37.81 ETS 310.35 ZAE 134.96 ETE 59.08 ZAC 88.15 ETC 15.26 CLP -23.48

PLANETOCENTRIC CONIC

C3 25.130 VHL 5.013 DLA -31.96 RAL 149.47 RAD 6568.0 VEL 12.104 PTH 2.17 VMP 6.225 DPA 35.04 RAP 185.51 ECC 1.4136
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.52 10 52 2 1335.01 20.45 357.45 22.75 115.11 11 14 17 735.0 23.67 349.96
 105.48 14 53 43 5848.53 20.47 278.01 22.75 115.10 16 31 12 5248.5 23.68 270.51
 74.52 10 52 2 1335.01 20.45 357.45 22.75 115.11 11 14 17 735.0 23.67 349.96
 105.48 14 53 43 5848.53 20.47 278.01 22.75 115.10 16 31 12 5248.5 23.68 270.51
 110.00 13 49 39 759.35 12.01 310.52 17.95 122.25 14 2 19 159.4 16.19 303.90
 110.00 16 55 16 5472.18 29.40 253.02 26.67 108.28 18 26 29 4872.2 31.61 244.51

DIFFERENTIAL CORRECTIONS

TDE 1.5246 TRA-1.6433 TC3 .2366 BAU .1885
 RDE .7698 RRA -.6155 RC3 .5089 FAU .03813
 FDE-3.4842 FRA 2.4189 FC3-1.3137 BSP 9643
 BDE 1.7079 BRA 1.7548 BC3 .5612 FSP -1354

MID-COURSE EXECUTION ACCURACY

SGT 2827.3 SGR 1312.2 SG3 458.9
 RRT .9406 RRF -.9868 RTF -.9633
 SGB 3117.0 R23 -.1808 R13 -.9756
 SG1 3090.2 SG2 407.5 TMA 24.03

ORBIT DETERMINATION ACCURACY

ST 1864.8 SR 914.4 SS 2205.4
 CRT .9960 CRS .9994 CST .9924
 LSA 3024.3 MSA 176.4 SSA 7.6
 EL1 2075.6 EL2 73.5 ALF 26.07

LAUNCH DATE APR 29 1967

FLIGHT TIME 148.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 378.509

RL 150.64 LAL .00 LOL 218.00 VL 26.989 GAL 5.73 AZL 97.77 MCA 157.56 SMA 128.41 ECC .19912 INC 7.7712 V1 29.578
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.581 GAP -7.28 AZP 82.81 TAL 155.65 TAP 313.21 RCA 102.84 APO 153.97 V2 34.920
 RC 54.330 GL -44.31 GP 35.44 ZAL 64.42 ZAP 42.75 ETS 309.38 ZAE 130.71 ETE 60.12 ZAC 86.06 ETC 14.40 CLP -25.67

PLANETOCENTRIC CONIC

C3 27.021 VHL 5.198 DLA -34.59 RAL 147.15 RAD 6568.1 VEL 12.182 PTH 2.19 VMP 6.191 DPA 38.90 RAP 189.45 ECC 1.4447
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.24 10 9 26 1455.58 21.45 7.28 22.41 117.82 10 33 42 855.6 24.99 359.90
 110.76 15 17 45 5763.86 21.46 272.00 22.42 117.81 16 53 49 5163.9 25.01 264.61
 69.24 10 9 26 1455.58 21.45 7.28 22.41 117.82 10 33 42 855.6 24.99 359.90
 110.76 15 17 45 5763.86 21.46 272.00 22.42 117.81 16 53 49 5163.9 25.01 264.61
 69.24 10 9 26 1455.58 21.45 7.28 22.41 117.82 10 33 42 855.6 24.99 359.90
 110.76 15 17 45 5763.86 21.46 272.00 22.42 117.81 16 53 49 5163.9 25.01 264.61

DIFFERENTIAL CORRECTIONS

TDE 1.6850 TRA-1.5894 TC3 .2365 BAU .2075
 RDE 1.0457 RRA -.6920 RC3 .5234 FAU .03690
 FDE-3.8284 FRA 2.3275 FC3-1.1823 BSP 10302
 BDE 1.9831 BRA 1.7335 BC3 .5743 FSP -1407

MID-COURSE EXECUTION ACCURACY

SGT 2835.3 SGR 1575.8 SG3 465.5
 RRT .9504 RRF -.9918 RTF -.9670
 SGB 3243.7 R23 -.1631 R13 -.9814
 SG1 3214.8 SG2 432.1 TMA 28.40

ORBIT DETERMINATION ACCURACY

ST 1963.9 SR 1185.8 SS 2312.1
 CRT .9955 CRS .9998 CST .9936
 LSA 3252.6 MSA 172.3 SSA 6.5
 EL1 2292.1 EL2 96.4 ALF 31.07

LAUNCH DATE APR 29 1967

FLIGHT TIME 150.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 385.109

RL 150.64 LAL .00 LOL 218.00 VL 27.039 GAL 5.58 AZL 98.70 HCA 160.73 SMA 128.74 ECC .19523 INC 8.7005 V1 29.578
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.628 GAP -6.72 AZP 81.78 TAL 155.72 TAP 316.45 RCA 103.61 APO 153.87 V2 34.932
 RC 56.016 GL -47.84 GP 41.35 ZAL 66.63 ZAP 48.39 ETS 308.19 ZAE 125.60 ETE 61.26 ZAC 83.81 ETC 13.13 CLP -27.80

PLANETOCENTRIC CONIC

C3 30.157 VHL 5.492 DLA -37.41 RAL 144.42 RAD 6568.2 VEL 12.310 PTH 2.22 VMP 6.300 DPA 43.48 RAP 194.54 ECC 1.4963
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 64.45 9 32 15 1561.40 22.08 16.13 22.37 121.00 9 58 16 961.4 26.02 8.92
 115.55 15 33 9 5712.89 22.10 268.31 22.38 120.99 17 8 22 5112.9 26.03 261.10
 64.45 9 32 15 1561.40 22.08 16.13 22.37 121.00 9 58 16 961.4 26.02 8.92
 115.55 15 33 9 5712.89 22.10 268.31 22.38 120.99 17 8 22 5112.9 26.03 261.10
 64.45 9 32 15 1561.40 22.08 16.13 22.37 121.00 9 58 16 961.4 26.02 8.92
 115.55 15 33 9 5712.89 22.10 268.31 22.38 120.99 17 8 22 5112.9 26.03 261.10

DIFFERENTIAL CORRECTIONS

TOE 1.8911 TRA-1.5529 TC3 .2007 BAU .2203
 ROE 1.4194 RRA -.7767 RC3 .5081 FAU .03294
 FDE-4.1156 FRA 2.1597 FC3 -.9456 BSP 10786
 BOE 2.3645 BRA 1.7363 BC3 .5463 FSP -1378

MID-COURSE EXECUTION ACCURACY

SGT 2846.6 SGR 1882.9 SG3 453.6
 RRT .9564 RRF -.9946 RTF -.9694
 SGB 3413.0 R23 -.1442 R13 -.9861
 SG1 3381.4 SG2 462.9 TMA 33.02

ORBIT DETERMINATION ACCURACY

ST 2065.9 SR 1512.3 SS 2382.8
 CRT .9953 CRS 1.0000 CST .9945
 LSA 3493.3 MSA 171.7 SSA 5.6
 EL1 2557.5 EL2 118.6 ALF 36.17

LAUNCH DATE APR 29 1967

FLIGHT TIME 152.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 391.684

RL 150.64 LAL .00 LOL 218.00 VL 27.084 GAL 5.44 AZL 99.98 HCA 163.89 SMA 129.04 ECC .19174 INC 9.9802 V1 29.578
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.672 GAP -6.18 AZP 80.40 TAL 155.79 TAP 319.68 RCA 104.30 APO 153.79 V2 34.945
 RC 57.772 GL -51.70 GP 48.40 ZAL 69.14 ZAP 54.76 ETS 306.69 ZAE 119.43 ETE 62.09 ZAC 81.34 ETC 11.12 CLP -29.64

PLANETOCENTRIC CONIC

C3 35.454 VHL 5.954 DLA -40.40 RAL 141.14 RAD 6568.4 VEL 12.523 PTH 2.27 VMP 6.636 DPA 48.70 RAP 201.53 ECC 1.5835
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.88 8 57 12 1665.11 22.08 24.76 22.66 124.74 9 24 58 1065.1 26.47 17.84
 120.12 15 42 2 5690.69 22.10 266.47 22.67 124.73 17 16 53 5090.7 26.49 259.54
 59.88 8 57 12 1665.11 22.08 24.76 22.66 124.74 9 24 58 1065.1 26.47 17.84
 120.12 15 42 2 5690.69 22.10 266.47 22.67 124.73 17 16 53 5090.7 26.49 259.54
 59.88 8 57 12 1665.11 22.08 24.76 22.66 124.74 9 24 58 1065.1 26.47 17.84
 120.12 15 42 2 5690.69 22.10 266.47 22.67 124.73 17 16 53 5090.7 26.49 259.54

DIFFERENTIAL CORRECTIONS

TOE 2.2087 TRA-1.5234 TC3 .1563 BAU .2284
 ROE 1.9383 RRA -.8508 RC3 .4558 FAU .02661
 FDE-4.2997 FRA 1.8763 FC3 -.6499 BSP 11543
 BOE 2.9385 BRA 1.7449 BC3 .4819 FSP -1282

MID-COURSE EXECUTION ACCURACY

SGT 2873.5 SGR 2220.2 SG3 417.4
 RRT .9616 RRF -.9963 RTF -.9726
 SGB 3631.3 R23 -.1212 R13 -.9903
 SG1 3598.5 SG2 486.8 TMA 37.41

ORBIT DETERMINATION ACCURACY

ST 2202.4 SR 1892.9 SS 2407.0
 CRT .9956 CRS 1.0000 CST .9955
 LSA 3768.1 MSA 169.4 SSA 4.7
 EL1 2900.9 EL2 135.3 ALF 40.66

LAUNCH DATE APR 29 1967

FLIGHT TIME 154.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 398.229

RL 150.64 LAL .00 LOL 218.00 VL 27.124 GAL 5.33 AZL 101.87 HCA 167.05 SMA 129.32 ECC .18864 INC11.8665 V1 29.578
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.712 GAP -5.65 AZP 78.43 TAL 155.84 TAP 322.89 RCA 104.92 APO 153.71 V2 34.957
 RC 59.590 GL -55.87 GP 56.66 ZAL 72.03 ZAP 61.78 ETS 304.87 ZAE 112.00 ETE 61.77 ZAC 78.57 ETC 7.59 CLP -30.64

PLANETOCENTRIC CONIC

C3 45.013 VHL 6.709 DLA -43.47 RAL 137.11 RAD 6568.7 VEL 12.899 PTH 2.35 VMP 7.368 DPA 54.14 RAP 211.75 ECC 1.7408
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 55.52 8 22 37 1776.05 20.98 33.55 23.24 129.00 8 52 14 1176.0 25.86 27.07
 124.48 15 44 27 5700.24 20.99 266.41 23.25 128.99 17 19 28 5100.2 25.88 259.92
 55.52 8 22 37 1776.05 20.98 33.55 23.24 129.00 8 52 14 1176.0 25.86 27.07
 124.48 15 44 27 5700.24 20.99 266.41 23.25 128.99 17 19 28 5100.2 25.88 259.92
 55.52 8 22 37 1776.05 20.98 33.55 23.24 129.00 8 52 14 1176.0 25.86 27.07
 124.48 15 44 27 5700.24 20.99 266.41 23.25 128.99 17 19 28 5100.2 25.88 259.92

DIFFERENTIAL CORRECTIONS

TOE 2.7467 TRA-1.5279 TC3 .0945 BAU .2170
 ROE 2.6514 RRA -.8854 RC3 .3480 FAU .01738
 FDE-4.2928 FRA 1.4937 FC3 -.3342 BSP 12371
 BOE 3.8176 BRA 1.7659 BC3 .3606 FSP -1088

MID-COURSE EXECUTION ACCURACY

SGT 2958.2 SGR 2535.8 SG3 353.4
 RRT .9656 RRF -.9970 RTF -.9766
 SGB 3896.3 R23 -.0985 R13 -.9936
 SG1 3863.5 SG2 504.6 TMA 40.45

ORBIT DETERMINATION ACCURACY

ST 2406.9 SR 2285.8 SS 2358.0
 CRT .9960 CRS 1.0000 CST .9965
 LSA 4068.1 MSA 167.1 SSA 3.8
 EL1 3316.0 EL2 147.4 ALF 43.52

LAUNCH DATE APR 29 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 404.731

RL 150.64 LAL .00 LOL 218.00 VL 27.159 GAL 5.23 AZL 104.94 HCA 170.19 SMA 129.56 ECC .18593 INC14.9399 V1 29.578
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.749 GAP -5.14 AZP 75.27 TAL 155.87 TAP 326.05 RCA 105.47 APO 153.65 V2 34.970
 RC 61.464 GL -60.19 GP 66.06 ZAL 75.39 ZAP 69.20 ETS 299.02 ZAE 103.15 ETE 57.73 ZAC 75.36 ETC 359.97 CLP -28.96

PLANETOCENTRIC CONIC

C3 64.578 VHL 8.036 DLA -46.35 RAL 132.07 RAD 6569.2 VEL 13.636 PTH 2.49 VMP 8.872 DPA 58.74 RAP 227.21 ECC 2.0628
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.64 7 47 46 1903.64 18.00 42.51 24.00 133.47 8 19 30 1303.6 23.40 36.61
 128.36 15 39 9 5750.76 18.02 268.28 24.01 133.46 17 15 0 5150.8 23.41 262.38
 51.64 7 47 46 1903.64 18.00 42.51 24.00 133.47 8 19 30 1303.6 23.40 36.61
 128.36 15 39 9 5750.76 18.02 268.28 24.01 133.46 17 15 0 5150.8 23.41 262.38
 51.64 7 47 46 1903.64 18.00 42.51 24.00 133.47 8 19 30 1303.6 23.40 36.61
 128.36 15 39 9 5750.76 18.02 268.28 24.01 133.46 17 15 0 5150.8 23.41 262.38

DIFFERENTIAL CORRECTIONS

TOE 3.8738 TRA-1.6149 TC3 .0197 BAU .1593
 ROE 3.5400 RRA -.7849 RC3 .1835 FAU .00601
 FDE-4.0471 FRA 1.0592 FC3 -.0806 BSP 13254
 BOE 5.2476 BRA 1.7955 BC3 .1845 FSP -818

MID-COURSE EXECUTION ACCURACY

SGT 3226.7 SGR 2667.3 SG3 266.9
 RRT .9682 RRF -.9963 RTF -.9832
 SGB 4186.5 R23 -.0763 R13 -.9962
 SG1 4154.2 SG2 518.6 TMA 39.40

ORBIT DETERMINATION ACCURACY

ST 2806.9 SR 2535.7 SS 2226.2
 CRT .9965 CRS .9998 CST .9978
 LSA 4386.0 MSA 165.9 SSA 2.8
 EL1 3779.4 EL2 156.5 ALF 42.08

LAUNCH DATE APR 29 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC
 RL 150.64 LAL .00 LOL 218.00 VL 27.191 GAL 5.16 AZL 110.83 MCA 173.27 SMA 129.78 ECC .18366 INC20.8314 V1 29.578
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.784 GAP -4.66 AZP 69.30 TAL 155.84 TAP 329.11 RCA 105.94 APO 153.61 V2 34.983
 RC 63.388 GL -63.95 GP 76.04 ZAL 79.27 ZAP 76.55 ETS 276.94 ZAE 92.49 ETE 36.13 ZAC 71.21 ETC 334.17 CLP -15.30

PLANETOCENTRIC CONIC
 C3 114.913 VHL 10.720 DLA -48.17 RAL 125.97 RAD 6570.2 VEL 15.370 PTH 2.75 VMP 12.177 DPA 60.19 RAP 249.36 ECC 2.8912
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.25 7 15 2 2053.28 12.24 50.85 24.76 136.97 7 49 16 1453.3 18.02 45.54
 130.75 15 23 10 5858.55 12.25 272.61 24.77 136.97 17 0 48 5258.5 18.03 267.29
 49.25 7 15 2 2053.28 12.24 50.85 24.76 136.97 7 49 16 1453.3 18.02 45.54
 130.75 15 23 10 5858.55 12.25 272.61 24.77 136.97 17 0 48 5258.5 18.03 267.29
 49.25 7 15 2 2053.28 12.24 50.85 24.76 136.97 7 49 16 1453.3 18.02 45.54
 130.75 15 23 10 5858.55 12.25 272.61 24.77 136.97 17 0 48 5258.5 18.03 267.29

DIFFERENTIAL CORRECTIONS
 TOE 7.0894 TRA-1.8719 TC3 -.0923 BAU .1464
 ROE 3.3330 RRA -.0224 RC3 .0235 FAU-.00663
 FOE-3.6373 FRA .6764 FC3 .0499 BSP 13990
 BOE 7.8338 BRA 1.8721 BC3 .0953 FSP -529

MID-COURSE EXECUTION ACCURACY
 SGT 4080.2 SGR 1782.3 SG3 174.6
 RRT .9306 RRF -.9627 RTF -.9945
 SGB 4452.5 R23 -.0450 R13 -.9987
 SGI 4411.4 SG2 603.5 THA 22.57

ORBIT DETERMINATION ACCURACY
 ST 3815.8 SR 1781.5 SS 2052.5
 CRT .9934 CRS .9968 CST .9994
 LSA 4681.0 MSA 187.6 SSA 1.6
 EL1 4207.1 EL2 185.8 ALF 24.93

LAUNCH DATE APR 29 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC
 RL 150.64 LAL .00 LOL 218.00 VL 27.219 GAL 5.14 AZL 126.05 MCA 176.18 SMA 129.97 ECC .18203 INC36.0517 V1 29.578
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.816 GAP -4.24 AZP 54.01 TAL 155.64 TAP 331.82 RCA 106.31 APO 153.63 V2 34.996
 RC 65.357 GL -63.62 GP 78.16 ZAL 83.58 ZAP 83.08 ETS 200.47 ZAE 77.75 ETE 319.45 ZAC -63.96 ETC 251.31 CLP 50.06

PLANETOCENTRIC CONIC
 C3 317.127 VHL 17.808 DLA -45.60 RAL 120.29 RAD 6571.8 VEL 20.939 PTH 3.19 VMP 21.239 DPA 53.79 RAP 275.09 ECC 6.2191
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.63 7 4 24 2184.37 3.96 54.60 26.39 135.47 7 40 48 1584.4 9.63 49.34
 127.37 14 48 30 762.06 3.97 304.22 26.40 135.47 15 1 12 162.1 9.65 298.95
 52.63 7 4 24 2184.37 3.96 54.60 26.39 135.47 7 40 48 1584.4 9.63 49.34
 127.37 14 48 30 762.06 3.97 304.22 26.40 135.47 15 1 12 162.1 9.65 298.95
 52.63 7 4 24 2184.37 3.96 54.60 26.39 135.47 7 40 48 1584.4 9.63 49.34
 127.37 14 48 30 762.06 3.97 304.22 26.40 135.47 15 1 12 162.1 9.65 298.95

DIFFERENTIAL CORRECTIONS
 TOE10.0447 TRA -.1630 TC3 -.1559 BAU 1.1435
 ROE-8.9555 RRA 2.3925 RC3 .2201 FAU-.02621
 FOE-3.5082 FRA .5190 FC3 .0716 BSP 14193
 BOE13.4573 BRA 2.3980 BC3 .2697 FSP -309

MID-COURSE EXECUTION ACCURACY
 SGT 3280.0 SGR 3182.3 SG3 102.1
 RRT -.9417 RRF .9880 RTF -.9824
 SGB 4570.1 R23 -.0216 R13 .9998
 SGI 4503.1 SG2 779.8 THA 135.92

ORBIT DETERMINATION ACCURACY
 ST 3231.9 SR 2900.3 SS 2075.5
 CRT -.9943 CRS -.9987 CST .9984
 LSA 4807.4 MSA 231.7 SSA .5
 EL1 4336.3 EL2 231.2 ALF 138.11

LAUNCH DATE APR 29 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC
 RL 150.64 LAL .00 LOL 218.00 VL 27.242 GAL 4.51 AZL 2.89 MCA 182.11 SMA 130.13 ECC .17567 INC87.0932 V1 29.578
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.846 GAP -2.95 AZP 177.11 TAL 157.93 TAP 340.04 RCA 107.27 APO 152.99 V2 35.009
 RC 67.365 GL 43.84 GP -47.29 ZAL 87.52 ZAP 88.10 ETS 174.48 ZAE 59.26 ETE 54.08 ZAC 71.09 ETC 127.59 CLP 87.20

PLANETOCENTRIC CONIC
 C31533.628 VHL 39.162 DLA 58.27 RAL 155.20 RAD 6573.2 VEL 40.681 PTH 3.56 VMP 51.437 DPA -66.48 RAP 330.80 ECC26.2396
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 36.68 20 32 25 5045.07 1.28 239.71 66.01 31.73 21 56 30 4445.1 -5.52 235.91
 143.32 5 59 1 3397.08 1.30 105.52 65.99 31.73 6 55 38 2797.1 -5.50 101.72
 36.68 20 32 25 5045.07 1.28 239.71 66.01 31.73 21 56 30 4445.1 -5.52 235.91
 143.32 5 59 1 3397.08 1.30 105.52 65.99 31.73 6 55 38 2797.1 -5.50 101.72
 36.68 20 32 25 5045.07 1.28 239.71 66.01 31.73 21 56 30 4445.1 -5.52 235.91
 143.32 5 59 1 3397.08 1.30 105.52 65.99 31.73 6 55 38 2797.1 -5.50 101.72

DIFFERENTIAL CORRECTIONS
 TOE-7.1187 TRA-2.9383 TC3 -.1462 BAU 5.9631
 ROE-7.2548 RRA-8.6036 RC3 -.2514 FAU-.11212
 FOE 1.9236 FRA 2.1461 FC3 .0633 BSP 10094
 BOE10.1641 BRA 9.0915 BC3 .2908 FSP -202

MID-COURSE EXECUTION ACCURACY
 SGT 1750.3 SGR 3276.5 SG3 71.3
 RRT .9271 RRF -.9998 RTF -.9334
 SGB 3714.6 R23 -.0642 R13 -.9979
 SGI 3668.2 SG2 585.9 THA 62.90

ORBIT DETERMINATION ACCURACY
 ST 1070.5 SR 1282.9 SS 1484.1
 CRT .9346 CRS .9996 CST .9442
 LSA 2211.1 MSA 324.6 SSA .7
 EL1 1644.3 EL2 297.0 ALF 50.51

LAUNCH DATE APR 29 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC
 RL 150.64 LAL .00 LOL 218.00 VL 27.263 GAL 4.76 AZL 59.44 MCA 183.84 SMA 130.28 ECC .17654 INC30.5597 V1 29.578
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.873 GAP -2.89 AZP 120.50 TAL 156.70 TAP 340.55 RCA 107.28 APO 153.28 V2 35.023
 RC 69.409 GL 65.00 GP -79.66 ZAL 83.16 ZAP 85.46 ETS 135.28 ZAE 89.53 ETE 22.48 ZAC 94.47 ETC 90.21 CLP 63.86

PLANETOCENTRIC CONIC
 C3 232.295 VHL 15.241 DLA 68.35 RAL 201.42 RAD 6571.3 VEL 18.805 PTH 3.06 VMP 21.099 DPA -75.73 RAP 92.30 ECC 4.8230
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 24.78 23 8 26 4948.55 -7.68 243.36 108.36 21.86 24 30 54 4348.6 -15.09 240.70
 155.22 9 31 46 3206.20 -7.68 95.34 108.34 21.86 10 25 12 2606.2 -15.09 92.69
 24.78 23 8 26 4948.55 -7.68 243.36 108.36 21.86 24 30 54 4348.6 -15.09 240.70
 155.22 9 31 46 3206.20 -7.68 95.34 108.34 21.86 10 25 12 2606.2 -15.09 92.69
 24.78 23 8 26 4948.55 -7.68 243.36 108.36 21.86 24 30 54 4348.6 -15.09 240.70
 155.22 9 31 46 3206.20 -7.68 95.34 108.34 21.86 10 25 12 2606.2 -15.09 92.69

DIFFERENTIAL CORRECTIONS
 TOE 1.8832 TRA-3.9033 TC3 -.2043 BAU .7627
 ROE 2.4450 RRA-2.4359 RC3 -.1363 FAU-.01489
 FOE -.5837 FRA 1.1197 FC3 .0555 BSP 14997
 BOE 2.7162 BRA 4.6011 BC3 .2456 FSP -322

MID-COURSE EXECUTION ACCURACY
 SGT 4050.2 SGR 2679.1 SG3 101.4
 RRT .9713 RRF -.9867 RTF -.9969
 SGB 4856.1 R23 -.0052 R13 -.9999
 SGI 4826.6 SG2 535.2 THA 33.18

ORBIT DETERMINATION ACCURACY
 ST 1273.5 SR 1183.0 SS 741.2
 CRT .8613 CRS .9493 CST .9773
 LSA 1833.5 MSA 457.0 SSA .7
 EL1 1677.2 EL2 456.5 ALF 42.55

LAUNCH DATE APR 29 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 437.977

RL 150.64 LAL .00 LOL 218.00 VL 27.280 GAL 4.79 AZL 74.57 MCA 186.75 SMA 130.40 ECC .17580 INC15.4338 VI 29.578
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.897 GAP -2.49 AZP 105.33 TAL 156.44 TAP 343.20 RCA 107.47 APO 153.32 V2 35.036
 RC 71.485 GL 62.08 GP -81.88 ZAL 77.10 ZAP 83.23 ETS 49.09 ZAE 102.61 ETE 299.25 ZAC 101.90 ETC 10.24 CLP -33.39

PLANETOCENTRIC CONIC

C3 67.036 VML 8.188 DLA 62.25 RAL 202.76 RAD 6569.3 VEL 13.726 PTH 2.51 VMP 11.954 DPA -64.83 RAP 117.34 ECC 2.1032
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 31.93 23 30 11 4682.00 -21.70 231.34 100.69 30.07 24 48 13 4082.0 -28.56 227.21
 148.07 9 20 42 2990.29 -21.69 91.35 100.67 30.07 10 10 32 2390.3 -28.55 87.22
 31.93 23 30 11 4682.00 -21.70 231.34 100.69 30.07 24 48 13 4082.0 -28.56 227.21
 148.07 9 20 42 2990.29 -21.69 91.35 100.67 30.07 10 10 32 2390.3 -28.55 87.22
 31.93 23 30 11 4682.00 -21.70 231.34 100.69 30.07 24 48 13 4082.0 -28.56 227.21
 148.07 9 20 42 2990.29 -21.69 91.35 100.67 30.07 10 10 32 2390.3 -28.55 87.22

DIFFERENTIAL CORRECTIONS

TOE 1.5946 TRA -1.6412 TC3 .0021 BAU .1600
 RDE -.7736 RRA 2.7508 RC3 -.1785 FAU .00717
 FDE -.6684 FRA 1.3301 FC3 -.0926 BSP 15596
 BDE 1.7723 BRA 3.2032 BC3 .1786 FSP -572

MID-COURSE EXECUTION ACCURACY

SGT 2707.5 SGR 4180.1 SG3 177.9
 RRT -.9547 RRF .9951 RTF -.9785
 SGB 4980.3 R23 .0083 R13 .9996
 SG1 4933.3 SG2 683.0 TMA 122.43

ORBIT DETERMINATION ACCURACY

ST 1339.0 SR 1353.4 SS 785.5
 CRT -.8399 CRS -.9687 CST .9483
 LSA 1987.7 MSA 539.1 SSA 1.6
 EL1 1826.0 EL2 538.6 ALF 134.63

LAUNCH DATE APR 29 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 444.308

RL 150.64 LAL .00 LOL 218.00 VL 27.294 GAL 4.79 AZL 80.43 MCA 189.85 SMA 130.50 ECC .17504 INC 9.5657 VI 29.578
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.920 GAP -2.05 AZP 99.43 TAL 156.30 TAP 346.16 RCA 107.65 APO 153.34 V2 35.049
 RC 73.590 GL 53.82 GP -74.49 ZAL 70.93 ZAP 82.38 ETS 28.63 ZAE 110.97 ETE 281.22 ZAC 105.83 ETC 355.99 CLP -60.27

PLANETOCENTRIC CONIC

C3 31.359 VML 5.600 DLA 54.55 RAL 195.01 RAD 6568.2 VEL 12.358 PTH 2.23 VMP 8.449 DPA -57.08 RAP 125.56 ECC 1.5161
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 41.21 23 23 35 4445.76 -29.79 214.28 80.98 41.93 24 37 40 3845.8 -35.58 208.13
 138.79 8 25 28 2848.15 -29.78 86.08 80.96 41.92 9 12 56 2248.2 -35.57 79.93
 41.21 23 23 35 4445.76 -29.79 214.28 80.98 41.93 24 37 40 3845.8 -35.58 208.13
 138.79 8 25 28 2848.15 -29.78 86.08 80.96 41.92 9 12 56 2248.2 -35.57 79.93
 41.21 23 23 35 4445.76 -29.79 214.28 80.98 41.93 24 37 40 3845.8 -35.58 208.13
 138.79 8 25 28 2848.15 -29.78 86.08 80.96 41.92 9 12 56 2248.2 -35.57 79.93

DIFFERENTIAL CORRECTIONS

TOE .7110 TRA -.5804 TC3 -.0092 BAU .3416
 RDE -.5250 RRA 2.6512 RC3 -.8147 FAU .02297
 FDE -.5143 FRA 1.8463 FC3 -.6342 BSP 15412
 BDE .8839 BRA 2.7140 BC3 .8148 FSP -929

MID-COURSE EXECUTION ACCURACY

SGT 1256.2 SGR 4795.6 SG3 291.6
 RRT -.8584 RRF .9988 RTF -.8753
 SGB 4957.4 R23 .0058 R13 .9994
 SG1 4917.4 SG2 628.5 TMA 102.89

ORBIT DETERMINATION ACCURACY

ST 789.7 SR 1502.7 SS 810.3
 CRT -.6925 CRS -.9918 CST .7791
 LSA 1804.6 MSA 531.0 SSA 2.5
 EL1 1612.4 EL2 530.9 ALF 112.58

LAUNCH DATE APR 29 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 450.684

RL 150.64 LAL .00 LOL 218.00 VL 27.306 GAL 4.79 AZL 83.50 MCA 193.01 SMA 130.58 ECC .17445 INC 6.5013 VI 29.578
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.940 GAP -1.60 AZP 96.34 TAL 156.18 TAP 349.19 RCA 107.80 APO 153.35 V2 35.062
 RC 75.721 GL 44.54 GP -68.06 ZAL 65.35 ZAP 82.90 ETS 18.87 ZAE 117.37 ETE 273.20 ZAC 108.83 ETC 352.12 CLP -70.68

PLANETOCENTRIC CONIC

C3 19.295 VML 4.393 DLA 46.26 RAL 188.04 RAD 6567.8 VEL 11.861 PTH 2.10 VMP 6.678 DPA -50.71 RAP 129.68 ECC 1.3176
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.75 23 29 37 4246.99 -31.13 195.38 62.76 53.87 24 40 24 3647.0 -35.61 187.85
 128.25 7 23 52 2808.78 -31.12 83.48 62.75 53.85 8 10 40 2208.8 -35.59 75.95
 51.75 23 29 37 4246.99 -31.13 195.38 62.76 53.87 24 40 24 3647.0 -35.61 187.85
 128.25 7 23 52 2808.78 -31.12 83.48 62.75 53.85 8 10 40 2208.8 -35.59 75.95
 51.75 23 29 37 4246.99 -31.13 195.38 62.76 53.87 24 40 24 3647.0 -35.61 187.85
 128.25 7 23 52 2808.78 -31.12 83.48 62.75 53.85 8 10 40 2208.8 -35.59 75.95

DIFFERENTIAL CORRECTIONS

TOE .4209 TRA -.1777 TC3 -.1970 BAU .4056
 RDE -.3388 RRA 2.4368 RC3 -1.5599 FAU .03894
 FDE -.4804 FRA 2.4726 FC3 -1.7471 BSP 15251
 BDE .5403 BRA 2.4432 BC3 1.5723 FSP -1374

MID-COURSE EXECUTION ACCURACY

SGT 666.2 SGR 4817.7 SG3 427.8
 RRT -.4819 RRF .9990 RTF -.4980
 SGB 4863.6 R23 .0107 R13 .9991
 SG1 4828.6 SG2 582.4 TMA 93.87

ORBIT DETERMINATION ACCURACY

ST 558.2 SR 1448.9 SS 885.2
 CRT -.4712 CRS -.9939 CST .5659
 LSA 1720.3 MSA 484.6 SSA 3.5
 EL1 1475.5 EL2 483.4 ALF 101.55

LAUNCH DATE APR 29 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 457.066

RL 150.64 LAL .00 LOL 218.00 VL 27.314 GAL 4.80 AZL 85.38 MCA 196.18 SMA 130.64 ECC .17408 INC 4.6190 VI 29.578
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.958 GAP -1.15 AZP 94.44 TAL 156.04 TAP 352.23 RCA 107.89 APO 153.38 V2 35.075
 RC 77.874 GL 35.63 GP -62.55 ZAL 60.75 ZAP 84.60 ETS 11.69 ZAE 122.53 ETE 266.81 ZAC 111.55 ETC 350.42 CLP -78.22

PLANETOCENTRIC CONIC

C3 14.161 VML 3.763 DLA 38.20 RAL 182.78 RAD 6567.6 VEL 11.642 PTH 2.04 VMP 5.640 DPA -45.10 RAP 131.85 ECC 1.2331
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.22 0 1 12 4043.05 -28.50 175.70 49.16 63.42 1 8 35 3443.1 -31.82 167.70
 116.78 6 14 15 2871.18 -28.49 87.07 49.15 63.40 7 2 6 2271.2 -31.81 79.07
 63.22 0 1 12 4043.05 -28.50 175.70 49.16 63.42 1 8 35 3443.1 -31.82 167.70
 116.78 6 14 15 2871.18 -28.49 87.07 49.15 63.40 7 2 6 2271.2 -31.81 79.07
 63.22 0 1 12 4043.05 -28.50 175.70 49.16 63.42 1 8 35 3443.1 -31.82 167.70
 116.78 6 14 15 2871.18 -28.49 87.07 49.15 63.40 7 2 6 2271.2 -31.81 79.07

DIFFERENTIAL CORRECTIONS

TOE .2752 TRA .1005 TC3 -.5405 BAU .4288
 RDE -.3083 RRA 2.2639 RC3 -2.1996 FAU .05447
 FDE -.5919 FRA 3.1414 FC3 -3.3302 BSP 14873
 BDE .4132 BRA 2.2661 BC3 2.2650 FSP -1845

MID-COURSE EXECUTION ACCURACY

SGT 615.5 SGR 4711.3 SG3 574.0
 RRT .4588 RRF .9989 RTF .4467
 SGB 4751.3 R23 .0200 R13 .9988
 SG1 4719.8 SG2 545.9 TMA 86.52

ORBIT DETERMINATION ACCURACY

ST 423.2 SR 1397.9 SS 992.8
 CRT -.2015 CRS -.9933 CST .3131
 LSA 1715.1 MSA 420.6 SSA 4.7
 EL1 1400.7 EL2 413.6 ALF 93.83

LAUNCH DATE APR 29 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 463.442

RL 150.64 LAL .00 LOL 218.00 VL 27.320 GAL 4.83 AZL 86.66 HCA 199.38 SMA 130.68 ECC .17395 INC 3.3415 V1 29.578
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.975 GAP -.70 AZP 93.15 TAL 155.88 TAP 355.26 RCA 107.95 APO 153.41 V2 35.088
 RC 80.046 GL 27.65 GP -57.69 ZAL 57.22 ZAP 87.27 ETS 5.73 ZAE 126.75 ETE 260.53 ZAC 114.20 ETC 349.49 CLP -84.89

PLANETOCENTRIC CONIC

C3 11.691 VML 3.419 OLA 30.86 RAL 178.91 RAD 6567.4 VEL 11.536 PTH 2.01 VHP 4.978 DPA -40.00 RAP 132.92 ECC 1.1924
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.19 1 10 8 3744.32 -24.29 150.39 39.88 70.35 2 12 32 3144.3 -26.74 142.36
 102.81 4 34 22 3087.53 -24.28 101.93 39.88 70.34 5 25 50 2487.5 -26.73 93.91
 77.19 1 10 8 3744.32 -24.29 150.39 39.88 70.35 2 12 32 3144.3 -26.74 142.36
 102.81 4 34 22 3087.53 -24.28 101.93 39.88 70.34 5 25 50 2487.5 -26.73 93.91
 110.00 7 15 2 2586.27 -33.25 66.30 42.43 81.56 7 58 8 1986.3 -34.06 57.16
 110.00 3 28 39 3293.58 -15.92 113.37 35.70 59.34 4 23 32 2693.6 -19.87 106.47

DIFFERENTIAL CORRECTIONS

TOE .1636 TRA .3425 TC3 -.9924 BAU .4401
 ROE -.3438 RRA 2.1074 RC3-2.6351 FAU .06916
 FOE -.8314 FRA 3.7918 FC3-5.1212 BSP 14516
 BOE .3807 BRA 2.1351 BC3 2.8158 FSP -2320

MID-COURSE EXECUTION ACCURACY

SGT 991.4 SGR 4528.1 SG3 717.7
 RRT .8500 RRF .9987 RTF .8432
 SGB 4635.3 R23 .0318 R13 .9983
 SG1 4606.8 SG2 513.3 TMA 79.32

ORBIT DETERMINATION ACCURACY

ST 340.4 SR 1363.1 SS 1128.4
 CRT .1955 CRS -.9924 CST -.0734
 LSA 1767.0 MSA 353.2 SSA 6.0
 EL1 1364.8 EL2 333.4 ALF 87.03

LAUNCH DATE APR 29 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 469.807

RL 150.64 LAL .00 LOL 218.00 VL 27.324 GAL 4.87 AZL 87.59 HCA 202.58 SMA 130.71 ECC .17406 INC 2.4134 V1 29.578
 RP 107.96 LAP -.93 LOP 60.56 VP 37.989 GAP -.26 AZP 92.23 TAL 155.69 TAP 358.27 RCA 107.96 APO 153.46 V2 35.101
 RC 82.236 GL 20.78 GP -53.27 ZAL 54.65 ZAP 90.68 ETS .63 ZAE 130.12 ETE 254.00 ZAC 116.82 ETC 349.01 CLP -91.14

PLANETOCENTRIC CONIC

C3 10.438 VML 3.231 OLA 24.46 RAL 176.04 RAD 6567.4 VEL 11.482 PTH 2.00 VHP 4.539 DPA -35.27 RAP 133.30 ECC 1.1718
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 50 4 2963.75 -28.15 93.79 35.16 86.82 5 39 28 2363.7 -28.30 85.13
 90.00 0 31 32 3821.51 -11.86 150.54 30.68 64.10 1 35 13 3221.5 -15.25 143.50
 100.00 6 32 29 2633.57 -29.88 69.57 35.23 89.25 7 16 22 2033.6 -29.67 60.77
 100.00 1 31 48 3626.91 -10.32 135.44 29.88 61.79 2 32 15 3026.9 -14.01 128.60
 110.00 8 21 39 2292.01 -33.86 43.45 35.05 95.00 8 59 51 1692.0 -32.80 34.38
 110.00 1 59 7 3541.24 -6.91 126.89 27.81 56.44 2 58 8 2941.2 -11.27 120.51

DIFFERENTIAL CORRECTIONS

TOE .0538 TRA .5699 TC3-1.4943 BAU .4480
 ROE -.3929 RRA 1.9585 RC3-2.8416 FAU .08214
 FOE-1.1565 FRA 4.3845 FC3-6.8130 BSP 14186
 BOE .3966 BRA 2.0398 BC3 3.2106 FSP -2761

MID-COURSE EXECUTION ACCURACY

SGT 1474.5 SGR 4291.5 SG3 849.0
 RRT .9392 RRF .9985 RTF .9345
 SGB 4537.8 R23 .0445 R13 .9976
 SG1 4512.1 SG2 481.6 TMA 71.90

ORBIT DETERMINATION ACCURACY

ST 347.7 SR 1341.3 SS 1288.1
 CRT .6785 CRS -.9918 CST -.5794
 LSA 1869.1 MSA 292.6 SSA 7.4
 EL1 1362.6 EL2 251.4 ALF 79.67

LAUNCH DATE APR 29 1967

FLIGHT TIME 178.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 476.158

RL 150.64 LAL .00 LOL 218.00 VL 27.326 GAL 4.92 AZL 88.29 HCA 205.78 SMA 130.72 ECC .17440 INC 1.7049 V1 29.578
 RP 107.92 LAP -.74 LOP 63.78 VP 38.002 GAP .19 AZP 91.54 TAL 155.47 TAP 1.26 RCA 107.92 APO 153.51 V2 35.113
 RC 84.440 GL 14.98 GP -49.18 ZAL 52.82 ZAP 94.64 ETS 356.26 ZAE 132.69 ETE 247.18 ZAC 119.39 ETC 348.91 CLP -97.10

PLANETOCENTRIC CONIC

C3 9.817 VML 3.133 OLA 18.99 RAL 173.90 RAD 6567.4 VEL 11.455 PTH 1.99 VHP 4.244 DPA -30.83 RAP 133.27 ECC 1.1616
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 52 56 2694.61 -27.60 74.17 30.17 96.60 6 37 51 2094.6 -26.40 65.71
 90.00 23 7 40 4066.08 -4.27 164.50 25.62 61.98 24 15 26 3466.1 -7.99 157.79
 100.00 7 25 56 2394.74 -28.78 51.94 30.00 98.44 8 5 50 1794.7 -27.32 43.44
 100.00 0 21 17 3841.18 -3.23 147.39 25.04 60.27 1 25 18 3241.2 -7.16 140.81
 110.00 8 59 25 2102.24 -31.79 29.05 29.33 103.27 9 34 27 1502.2 -29.64 20.50
 110.00 1 4 17 3706.45 -.63 135.55 23.42 55.82 2 6 3 3106.5 -5.11 129.33

DIFFERENTIAL CORRECTIONS

TOE -.0637 TRA .7890 TC3-1.9932 BAU .4557
 ROE -.4327 RRA 1.8151 RC3-2.8434 FAU .09246
 FOE-1.5199 FRA 4.8935 FC3-8.1539 BSP 13894
 BOE .4373 BRA 1.9791 BC3 3.4724 FSP -3130

MID-COURSE EXECUTION ACCURACY

SGT 1975.3 SGR 4015.3 SG3 959.8
 RRT .9675 RRF .9982 RTF .9637
 SGB 4474.9 R23 .0568 R13 .9966
 SG1 4452.2 SG2 450.4 TMA 64.26

ORBIT DETERMINATION ACCURACY

ST 473.8 SR 1318.3 SS 1457.9
 CRT .9225 CRS -.9915 CST -.8647
 LSA 2007.0 MSA 244.4 SSA 8.9
 EL1 1390.1 EL2 173.5 ALF 71.35

LAUNCH DATE APR 29 1967

FLIGHT TIME 180.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 482.491

RL 150.64 LAL .00 LOL 218.00 VL 27.325 GAL 4.98 AZL 88.86 HCA 208.99 SMA 130.71 ECC .17496 INC 1.1435 V1 29.578
 RP 107.89 LAP -.55 LOP 66.99 VP 38.012 GAP .63 AZP 91.00 TAL 155.22 TAP 4.21 RCA 107.84 APO 153.58 V2 35.125
 RC 86.655 GL 10.12 GP -45.36 ZAL 51.50 ZAP 98.95 ETS 352.56 ZAE 134.49 ETE 240.22 ZAC 121.85 ETC 349.17 CLP -102.79

PLANETOCENTRIC CONIC

C3 9.556 VML 3.091 OLA 14.35 RAL 172.30 RAD 6567.3 VEL 11.443 PTH 1.98 VHP 4.051 DPA -26.67 RAP 133.02 ECC 1.1573
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 31 50 2515.76 -25.55 61.49 26.50 102.63 7 13 46 1915.8 -23.56 53.39
 90.00 22 16 2 4234.32 1.15 175.89 22.77 61.70 23 26 36 3634.3 -2.64 167.27
 100.00 8 0 50 2228.73 -26.55 40.12 26.23 104.27 8 37 59 1628.7 -24.33 32.02
 100.00 23 29 43 3996.58 2.04 155.92 22.28 60.17 24 36 19 3396.6 -1.94 149.40
 110.00 9 26 13 1961.56 -29.15 18.96 25.36 108.71 9 58 55 1361.6 -26.32 10.92
 110.00 0 24 44 3836.52 4.34 142.35 20.84 56.06 1 28 41 3236.5 -.15 136.13

DIFFERENTIAL CORRECTIONS

TOE -.1909 TRA .9994 TC3-2.4529 BAU .4678
 ROE -.4602 RRA 1.6715 RC3-2.7189 FAU .10037
 FOE-1.8969 FRA 5.2840 FC3-9.0929 BSP 13806
 BOE .4982 BRA 1.9475 BC3 3.6619 FSP -3435

MID-COURSE EXECUTION ACCURACY

SGT 2466.0 SGR 3712.0 SG3 1044.5
 RRT .9794 RRF .9977 RTF .9761
 SGB 4456.5 R23 .0673 R13 .9955
 SG1 4437.0 SG2 416.3 TMA 56.62

ORBIT DETERMINATION ACCURACY

ST 675.6 SR 1284.7 SS 1626.2
 CRT .9846 CRS -.9913 CST -.9531
 LSA 2169.5 MSA 210.7 SSA 10.3
 EL1 1447.7 EL2 105.0 ALF 62.47

LAUNCH DATE APR 29 1967

FLIGHT TIME 182.00

ARRIVAL DATE OCT 28 1967

MELIOCENTRIC CONIC
 RL 150.64 LAL .00 LOL 218.00 VL 27.323 GAL 5.06 AZL 89.31 HCA 212.21 SMA 130.70 ECC .17576 INC .6830 V1 29.578
 RP 107.85 LAP -.37 LOP 70.21 VP 38.022 GAP 1.07 AZP 90.58 TAL 154.93 TAP 7.14 RCA 107.73 APO 153.67 V2 35.137
 RC 88.880 GL 6.05 GP -41.78 ZAL 50.53 ZAP 103.45 ETS 349.46 ZAE 135.56 ETE 233.33 ZAC 124.15 ETC 349.80 CLP-108.17

PLANETOCENTRIC CONIC
 C3 9.522 VML 3.086 DLA 10.42 RAL 171.12 RAD 6567.3 VEL 11.442 PTH 1.98 VMP 3.935 DPA -22.78 RAP 132.68 ECC 1.1567
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 0 38 2381.44 -23.24 52.34 24.00 106.65 7 40 19 1781.4 -20.73 44.56
 90.00 21 37 49 4367.23 5.41 181.33 21.19 62.16 22 50 36 3767.2 1.64 174.68
 100.00 8 27 9 2102.39 -24.14 31.50 23.69 108.19 9 2 11 1502.4 -21.43 23.76
 100.00 22 53 58 4121.51 6.24 162.81 20.74 60.71 24 2 40 3521.5 2.29 156.25
 110.00 9 47 9 1852.07 -26.53 11.52 22.71 112.40 10 18 1 1252.1 -23.25 3.89
 110.00 23 50 28 3944.60 8.42 148.06 19.40 56.75 24 56 13 3344.6 3.98 141.78

MID-COURSE EXECUTION ACCURACY
 SGT 2934.9 SGR 3395.6 SG3 1100.8
 RRT .9852 RRF .9971 RTF .9822
 SGB 4488.2 R23 .0742 R13 .9943
 SGI 4471.9 SG2 382.0 TMA 49.22

ORBIT DETERMINATION ACCURACY
 ST 913.5 SR 1233.4 SS 1779.3
 CRT .9979 CRS -.9908 CST -.9804
 LSA 2342.2 MSA 188.9 SSA 11.5
 EL1 1534.1 EL2 47.2 ALF 53.49

DIFFERENTIAL CORRECTIONS
 TDE -.3269 TRA 1.2016 TC3-2.8523 BAU .4834
 RDE -.4713 RRA 1.5324 RC3-2.5073 FAU .10530
 FDE-2.2507 FRA 5.5543 FC3-9.5736 BSP 13872
 BDE .5736 BRA 1.9474 BC3 3.7977 FSP -3649

LAUNCH DATE APR 29 1967

FLIGHT TIME 184.00

ARRIVAL DATE OCT 30 1967

MELIOCENTRIC CONIC
 RL 150.64 LAL .00 LOL 218.00 VL 27.319 GAL 5.15 AZL 89.70 HCA 215.43 SMA 130.67 ECC .17678 INC .3011 V1 29.578
 RP 107.82 LAP -.17 LOP 73.43 VP 38.029 GAP 1.30 AZP 90.25 TAL 154.61 TAP 10.04 RCA 107.57 APO 153.77 V2 35.149
 RC 91.113 GL 2.64 GP -38.43 ZAL 49.77 ZAP 108.00 ETS 346.89 ZAE 135.99 ETE 226.77 ZAC 126.20 ETC 350.77 CLP-113.24

PLANETOCENTRIC CONIC
 C3 9.642 VML 3.105 DLA 7.07 RAL 170.26 RAD 6567.3 VEL 11.447 PTH 1.99 VMP 3.878 DPA -19.16 RAP 132.35 ECC 1.1587
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 23 44 2275.59 -21.00 45.38 22.40 109.44 8 1 40 1675.6 -18.16 37.86
 90.00 21 7 53 4478.00 8.89 187.62 20.44 63.00 22 22 31 3878.0 5.20 180.88
 100.00 8 48 28 2002.33 -21.86 24.95 22.06 110.92 9 21 50 1402.3 -18.82 17.47
 100.00 22 25 51 4226.49 9.69 168.69 20.01 61.58 23 36 18 3626.5 5.82 162.04
 110.00 10 4 26 1764.58 -24.13 5.85 21.01 114.98 10 33 50 1164.6 -20.56 358.53
 110.00 23 26 22 4037.00 11.82 153.04 18.74 57.69 24 33 39 3437.0 7.48 146.65

MID-COURSE EXECUTION ACCURACY
 SGT 3374.6 SGR 3078.9 SG3 1129.0
 RRT .9882 RRF .9961 RTF .9855
 SGB 4568.1 R23 .0763 R13 .9932
 SGI 4554.7 SG2 350.0 TMA 42.34

ORBIT DETERMINATION ACCURACY
 ST 1166.0 SR 1163.7 SS 1908.3
 CRT .9999 CRS -.9898 CST -.9902
 LSA 2514.8 MSA 175.9 SSA 12.4
 EL1 1647.3 EL2 12.7 ALF 44.94

DIFFERENTIAL CORRECTIONS
 TDE -.4693 TRA 1.3959 TC3-3.1806 BAU .5022
 RDE -.4668 RRA 1.4008 RC3-2.2508 FAU .10728
 FDE-2.5568 FRA 5.7097 FC3-9.6324 BSP 14095
 BDE .6619 BRA 1.9776 BC3 3.8964 FSP -3769

LAUNCH DATE APR 29 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 1 1967

MELIOCENTRIC CONIC
 RL 150.64 LAL .00 LOL 218.00 VL 27.313 GAL 5.26 AZL 90.03 HCA 218.65 SMA 130.63 ECC .17803 INC .0185 V1 29.578
 RP 107.78 LAP .02 LOP 76.66 VP 38.035 GAP 1.94 AZP 89.98 TAL 154.25 TAP 12.91 RCA 107.37 APO 153.88 V2 35.160
 RC 93.352 GL -.23 GP -35.32 ZAL 49.14 ZAP 112.51 ETS 344.79 ZAE 135.88 ETE 220.73 ZAC 127.95 ETC 352.04 CLP-117.98

PLANETOCENTRIC CONIC
 C3 9.876 VML 3.143 DLA 4.20 RAL 169.68 RAD 6567.4 VEL 11.457 PTH 1.99 VMP 3.870 DPA -15.83 RAP 132.08 ECC 1.1625
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 43 13 2189.94 -18.96 39.93 21.47 111.43 8 19 43 1589.9 -15.88 32.60
 90.00 20 43 43 4573.12 11.78 193.11 20.27 64.06 21 59 56 3973.1 8.19 186.27
 100.00 9 6 32 1921.22 -19.80 19.81 21.11 112.87 9 38 33 1321.2 -16.53 12.54
 100.00 22 3 6 4317.07 12.58 173.87 19.86 62.66 23 15 3 3717.1 8.82 167.10
 110.00 10 19 17 1693.50 -22.01 1.42 20.01 116.84 10 47 31 1093.5 -18.24 354.32
 110.00 23 6 49 4117.56 14.71 157.50 18.63 58.79 24 15 27 3517.6 10.47 150.96

MID-COURSE EXECUTION ACCURACY
 SGT 3781.0 SGR 2772.3 SG3 1131.9
 RRT .9896 RRF .9948 RTF .9874
 SGB 4688.5 R23 .0728 R13 .9923
 SGI 4677.4 SG2 322.5 TMA 36.16

ORBIT DETERMINATION ACCURACY
 ST 1420.9 SR 1079.9 SS 2010.8
 CRT .9987 CRS -.9882 CST -.9944
 LSA 2683.3 MSA 169.1 SSA 13.1
 EL1 1784.2 EL2 43.1 ALF 37.23

DIFFERENTIAL CORRECTIONS
 TDE -.6161 TRA 1.5824 TC3-3.4369 BAU .5239
 RDE -.4501 RRA 1.2779 RC3-1.9836 FAU .10675
 FDE-2.8054 FRA 5.7596 FC3-9.3585 BSP 14470
 BDE .7630 BRA 2.0340 BC3 3.9683 FSP -3805

LAUNCH DATE APR 29 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 3 1967

MELIOCENTRIC CONIC
 RL 150.64 LAL .00 LOL 218.00 VL 27.305 GAL 5.39 AZL 90.31 HCA 221.88 SMA 130.57 ECC .17951 INC .3103 V1 29.578
 RP 107.75 LAP .21 LOP 79.88 VP 38.040 GAP 2.38 AZP 89.77 TAL 153.86 TAP 15.74 RCA 107.13 APO 154.01 V2 35.170
 RC 95.596 GL -2.65 GP -32.45 ZAL 48.56 ZAP 116.88 ETS 343.08 ZAE 135.35 ETE 215.35 ZAC 129.37 ETC 353.54 CLP-122.39

PLANETOCENTRIC CONIC
 C3 10.201 VML 3.194 DLA 1.73 RAL 169.31 RAD 6567.4 VEL 11.471 PTH 1.99 VMP 3.901 DPA -12.80 RAP 131.94 ECC 1.1679
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 0 11 2119.46 -17.15 35.55 21.05 112.88 8 35 31 1519.5 -13.91 28.37
 90.00 20 23 48 4656.54 14.21 198.03 20.54 65.25 21 41 24 4056.5 10.75 191.06
 100.00 9 22 20 1854.50 -17.98 15.68 20.67 114.29 9 53 14 1254.5 -14.55 8.57
 100.00 21 44 20 4396.74 15.02 178.53 20.14 63.85 22 57 37 3796.7 11.39 171.62
 110.00 10 32 25 1635.13 -20.18 357.88 19.52 118.20 10 59 40 1035.1 -16.25 350.96
 110.00 22 50 44 4188.87 17.19 161.55 18.94 59.99 24 0 33 3588.9 13.07 154.86

MID-COURSE EXECUTION ACCURACY
 SGT 4152.2 SGR 2483.4 SG3 1113.4
 RRT .9898 RRF .9929 RTF .9885
 SGB 4838.2 R23 .0646 R13 .9916
 SGI 4828.7 SG2 303.6 TMA 30.76

ORBIT DETERMINATION ACCURACY
 ST 1668.8 SR 985.4 SS 2082.9
 CRT .9963 CRS -.9857 CST -.9965
 LSA 2840.1 MSA 166.4 SSA 13.6
 EL1 1936.6 EL2 73.2 ALF 30.52

DIFFERENTIAL CORRECTIONS
 TDE -.7639 TRA 1.7641 TC3-3.6173 BAU .5461
 RDE -.4227 RRA 1.1672 RC3-1.7178 FAU .10371
 FDE-2.9836 FRA 5.7314 FC3-8.8011 BSP 14907
 BDE .8730 BRA 2.1153 BC3 4.0045 FSP -3752

LAUNCH DATE APR 29 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC
 RL 150.64 LAL .00 LOL 218.00 VL 27.296 GAL 5.52 AZL 90.56 HCA 225.11 SMA 130.51 ECC .18122 INC .5618 V1 29.578
 RP 107.72 LAP .40 LOP 83.11 VP 38.043 GAP 2.82 AZP 89.60 TAL 153.44 TAP 18.54 RCA 106.86 APO 154.16 V2 35.180
 RC 97.843 GL -4.69 GP -29.82 ZAL 48.01 ZAP 121.06 ETS 341.69 ZAE 134.51 ETE 210.67 ZAC 130.45 ETC 355.20 CLP-126.49

PLANETOCENTRIC CONIC
 C3 10.606 VHL 3.257 DLA -.42 RAL 169.12 RAD 6567.4 VEL 11.489 PTM 2.00 VHP 3.965 DPA -10.07 RAP 131.94 ECC 1.1745
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 15 20 2060.86 -15.57 31.98 21.03 113.96 8 49 41 1460.9 -12.20 24.92
 90.00 20 7 10 4730.85 16.28 202.50 21.16 66.51 21 26 0 4130.8 12.96 195.40
 100.00 9 36 29 1799.11 -16.39 12.33 20.63 115.35 10 6 28 1199.1 -12.85 5.34
 100.00 21 28 42 4467.84 17.11 182.77 20.77 65.11 22 43 10 867.8 13.61 175.73
 110.00 10 44 17 1586.88 -18.60 355.03 19.44 119.21 11 10 44 986.9 -14.57 348.24
 110.00 22 37 23 4252.74 19.32 165.27 19.59 61.24 23 48 16 3652.7 15.34 158.42

DIFFERENTIAL CORRECTIONS
 TOE -.9143 TRA 1.9382 TC3-3.7416 BAU .5706
 RDE -.3907 RRA 1.0660 RC3-1.4806 FAU .09953
 FDE-3.1102 FRA 5.6280 FC3-8.1239 BSP 15491
 BDE .9943 BRA 2.2120 BC3 4.0239 FSP -3662

MID-COURSE EXECUTION ACCURACY
 SGT 4489.4 SGR 2218.1 SG3 1079.1
 RRT .9893 RRF .9903 RTF .9892
 SGB 5007.5 R23 .0523 R13 .9911
 SG1 4999.0 SG2 290.7 TMA 26.14

ORBIT DETERMINATION ACCURACY
 ST 1907.8 SR 888.8 SS 2133.5
 CRT .9929 CRS -.9823 CST -.9975
 LSA 2992.2 MSA 166.2 SSA 13.8
 EL1 2102.4 EL2 96.2 ALF 24.88

LAUNCH DATE APR 29 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC
 RL 150.64 LAL .00 LOL 218.00 VL 27.286 GAL 5.68 AZL 90.79 HCA 228.34 SMA 130.44 ECC .18316 INC .7862 V1 29.578
 RP 107.69 LAP .59 LOP 86.34 VP 38.044 GAP 3.26 AZP 89.48 TAL 152.98 TAP 21.32 RCA 106.55 APO 154.33 V2 35.190
 RC 100.092 GL -6.43 GP -27.43 ZAL 47.46 ZAP 125.01 ETS 340.56 ZAE 133.49 ETE 206.67 ZAC 131.17 ETC 356.94 CLP-130.28

PLANETOCENTRIC CONIC
 C3 11.084 VHL 3.329 DLA -2.29 RAL 169.09 RAD 6567.4 VEL 11.510 PTM 2.00 VHP 4.057 DPA -7.64 RAP 132.10 ECC 1.1824
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 29 6 2011.84 -14.19 29.04 21.33 114.76 9 2 37 1411.8 -10.73 22.06
 90.00 19 53 9 4797.90 18.05 206.63 22.05 67.81 21 13 7 4197.9 14.88 199.38
 100.00 9 49 22 1752.88 -15.03 9.58 20.92 116.15 10 18 35 1152.9 -11.39 2.68
 100.00 21 15 34 4532.09 18.91 186.70 21.67 66.41 22 31 6 3932.1 15.55 179.51
 110.00 10 55 10 1546.91 -17.26 352.71 19.68 119.98 11 20 57 946.9 -13.14 346.02
 110.00 22 26 15 4310.82 21.18 168.74 20.51 62.52 23 38 6 3710.8 17.34 161.73

DIFFERENTIAL CORRECTIONS
 TOE -1.0645 TRA 2.1091 TC3-3.8074 BAU .5946
 RDE -.3544 RRA .9766 RC3-1.2672 FAU .09411
 FDE-3.1812 FRA 5.4801 FC3-7.3507 BSP 16105
 BDE 1.1219 BRA 2.3242 BC3 4.0128 FSP -3526

MID-COURSE EXECUTION ACCURACY
 SGT 4793.6 SGR 1978.2 SG3 1033.3
 RRT .9878 RRF .9868 RTF .9895
 SGB 5185.8 R23 .0382 R13 .9906
 SG1 5177.9 SG2 285.6 TMA 22.25

ORBIT DETERMINATION ACCURACY
 ST 2132.9 SR 792.1 SS 2161.0
 CRT .9881 CRS -.9772 CST -.9982
 LSA 3133.5 MSA 167.4 SSA 14.0
 EL1 2272.4 EL2 114.4 ALF 20.20

LAUNCH DATE APR 29 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC
 RL 150.64 LAL .00 LOL 218.00 VL 27.275 GAL 5.85 AZL 90.99 HCA 231.57 SMA 130.36 ECC .18534 INC .9894 V1 29.578
 RP 107.66 LAP .78 LOP 89.57 VP 38.044 GAP 3.70 AZP 89.38 TAL 152.49 TAP 24.06 RCA 106.20 APO 154.52 V2 35.199
 RC 102.344 GL -7.90 GP -25.28 ZAL 46.90 ZAP 128.73 ETS 339.61 ZAE 132.36 ETE 203.30 ZAC 131.57 ETC 358.68 CLP-133.78

PLANETOCENTRIC CONIC
 C3 11.634 VHL 3.411 DLA -3.93 RAL 169.19 RAD 6567.4 VEL 11.533 PTM 2.01 VHP 4.173 DPA -5.49 RAP 132.43 ECC 1.1915
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 41 46 1970.73 -13.00 26.60 21.90 115.38 9 14 37 1370.7 -9.48 19.69
 90.00 19 41 18 4859.07 19.58 210.46 23.17 69.13 21 2 17 4259.1 16.57 203.08
 100.00 10 1 16 1714.27 -13.86 7.31 21.47 116.75 10 29 50 1114.3 -10.16 .48
 100.00 21 4 29 4590.76 20.46 190.36 22.80 67.72 22 21 0 3990.8 17.26 183.03
 110.00 11 5 17 1513.85 -16.12 350.82 20.19 120.56 11 30 31 913.9 -11.95 344.20
 110.00 22 16 57 4363.94 22.82 172.00 21.66 63.83 23 29 41 3763.9 19.11 164.82

DIFFERENTIAL CORRECTIONS
 TOE -1.2139 TRA 2.2784 TC3-3.8237 BAU .6180
 RDE -.3160 RRA .8985 RC3-1.0807 FAU .08798
 FDE-3.2062 FRA 5.3047 FC3-6.5474 BSP 16733
 BDE 1.2544 BRA 2.4492 BC3 3.9735 FSP -3360

MID-COURSE EXECUTION ACCURACY
 SGT 5067.5 SGR 1764.6 SG3 980.3
 RRT .9851 RRF .9821 RTF .9896
 SGB 5366.0 R23 .0240 R13 .9902
 SG1 5358.3 SG2 286.8 TMA 18.99

ORBIT DETERMINATION ACCURACY
 ST 2342.9 SR 698.8 SS 2169.4
 CRT .9814 CRS -.9699 CST -.9986
 LSA 3264.2 MSA 169.6 SSA 14.1
 EL1 2441.4 EL2 128.9 ALF 16.36

LAUNCH DATE APR 29 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC
 RL 150.64 LAL .00 LOL 218.00 VL 27.262 GAL 6.04 AZL 91.18 HCA 234.80 SMA 130.27 ECC .18776 INC 1.1753 V1 29.578
 RP 107.63 LAP .96 LOP 92.80 VP 38.043 GAP 4.14 AZP 89.32 TAL 151.97 TAP 26.77 RCA 105.81 APO 154.73 V2 35.208
 RC 104.596 GL -9.14 GP -23.33 ZAL 46.31 ZAP 132.21 ETS 338.81 ZAE 131.19 ETE 200.48 ZAC 131.65 ETC .38 CLP-137.03

PLANETOCENTRIC CONIC
 C3 12.256 VHL 3.501 DLA -5.38 RAL 169.41 RAD 6567.5 VEL 11.560 PTM 2.02 VHP 4.310 DPA -3.62 RAP 132.93 ECC 1.2017
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 53 34 1936.31 -11.99 24.58 22.69 115.85 9 25 50 1336.3 -8.42 17.72
 90.00 19 31 15 4915.40 20.91 214.06 24.48 70.45 20 53 11 4315.4 18.05 206.55
 100.00 10 12 22 1682.11 -12.86 5.44 22.25 117.22 10 40 24 1082.1 -9.11 358.66
 100.00 20 55 8 4644.84 21.82 193.80 24.12 69.05 22 12 33 4044.8 18.78 186.33
 110.00 11 14 47 1486.67 -15.17 349.28 20.92 121.00 11 39 34 886.7 -10.95 342.72
 110.00 22 9 12 4413.04 24.26 175.09 23.00 65.14 23 22 45 3813.0 20.70 167.75

DIFFERENTIAL CORRECTIONS
 TOE -1.3627 TRA 2.4473 TC3-3.7984 BAU .6404
 RDE -.2769 RRA .8304 RC3 -.9205 FAU .08152
 FDE-3.1951 FRA 5.1131 FC3-5.7586 BSP 17361
 BDE 1.3905 BRA 2.5844 BC3 3.9083 FSP -3180

MID-COURSE EXECUTION ACCURACY
 SGT 5313.4 SGR 1576.2 SG3 923.5
 RRT .9811 RRF .9760 RTF .9896
 SGB 5542.3 R23 .0111 R13 .9898
 SG1 5534.6 SG2 292.5 TMA 16.27

ORBIT DETERMINATION ACCURACY
 ST 2537.1 SR 611.2 SS 2162.3
 CRT .9717 CRS -.9595 CST -.9989
 LSA 3384.7 MSA 172.2 SSA 14.1
 EL1 2605.9 EL2 140.6 ALF 13.21

LAUNCH DATE APR 29 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 538.574

RL 150.64 LAL .00 LOL 218.00 VL 27.248 GAL 6.24 AZL 91.35 MCA 238.04 SMA 130.17 ECC .19043 INC 1.3469 V1 29.578
 RP 107.61 LAP 1.14 LOP 96.04 VP 38.041 GAP 4.59 AZP 89.29 TAL 151.42 TAP 29.46 RCA 105.38 APO 154.96 V2 35.216
 RC 106.849 GL -10.19 GP -21.59 ZAL 45.69 ZAP 135.45 ETS 338.11 ZAE 130.02 ETE 198.13 ZAC 131.46 ETC 1.98 CLP-140.03

PLANETOCENTRIC CONIC

C3 12.953 VHL 3.599 OLA -6.66 RAL 169.73 RAD 6567.5 VEL 11.591 PTH 2.03 VHP 4.466 DPA -1.99 RAP 133.59 ECC 1.2132
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 4 37 1907.67 -11.13 22.91 23.68 116.20 9 36 25 1307.7 -7.52 16.09
 90.00 19 22 45 4967.70 22.06 217.47 25.97 71.78 20 45 32 4367.7 19.36 209.83
 100.00 10 22 47 1655.51 -12.03 3.91 23.22 117.57 10 50 23 1055.5 -8.24 357.16
 100.00 20 47 16 4695.10 23.01 197.07 25.62 70.37 22 5 31 4095.1 20.12 189.46
 110.00 11 23 46 1464.58 -14.40 348.04 21.84 121.34 11 48 11 864.6 -10.14 341.53
 110.00 22 2 46 4458.79 25.53 178.03 24.52 66.46 23 17 5 3858.8 22.13 170.53

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.5080 TRA 2.6205 TC3-3.7305 BAU .6601 SGT 5533.0 SGR 1411.2 SG3 865.2 ST 2712.4 SR 529.8 SS 2139.3
 ROE -.2371 RRA .7724 RC3 -.7814 FAU .07469 RRT .9754 RRF .9680 RTF .9894 CRT .9571 CRS -.9440 CST -.9991
 FDE-3.1489 FRA 4.9225 FC3-4.9916 BSP 17902 SGB 5710.1 R23 -.0006 R13 .9895 LSA 3490.5 MSA 175.3 SSA 14.2
 BOE 1.5265 BRA 2.7319 BC3 3.8115 FSP -2978 SGI 5702.1 SG2 301.8 TMA 14.01 ELI 2759.5 EL2 150.9 ALF 10.62

LAUNCH DATE APR 29 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 544.684

RL 150.64 LAL .00 LOL 218.00 VL 27.233 GAL 6.47 AZL 91.51 MCA 241.28 SMA 130.07 ECC .19336 INC 1.5069 V1 29.578
 RP 107.59 LAP 1.32 LOP 99.27 VP 38.037 GAP 5.05 AZP 89.28 TAL 150.84 TAP 32.12 RCA 104.92 APO 155.22 V2 35.223
 RC 109.101 GL -11.07 GP -20.03 ZAL 45.05 ZAP 138.47 ETS 337.46 ZAE 128.89 ETE 196.16 ZAC 131.02 ETC 3.47 CLP-142.83

PLANETOCENTRIC CONIC

C3 13.732 VHL 3.706 OLA -7.80 RAL 170.14 RAD 6567.5 VEL 11.624 PTH 2.04 VHP 4.638 DPA -.59 RAP 134.40 ECC 1.2260
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 15 3 1884.10 -10.42 21.55 24.83 116.48 9 46 27 1284.1 -6.78 14.76
 90.00 19 15 34 5016.61 23.06 220.70 27.61 73.10 20 39 11 4416.6 20.53 212.94
 100.00 10 32 38 1633.80 -11.34 2.66 24.35 117.84 10 59 52 1033.8 -7.53 355.95
 100.00 20 40 40 4742.13 24.05 200.17 27.27 71.69 21 59 42 4142.1 21.32 192.44
 110.00 11 32 18 1446.98 -13.77 347.06 22.93 121.60 11 56 25 847.0 -9.49 340.58
 110.00 21 57 29 4501.72 26.67 180.85 26.20 67.78 23 12 31 3901.7 23.42 173.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6548 TRA 2.7941 TC3-3.6416 BAU .6796 SGT 5731.0 SGR 1267.7 SG3 807.9 ST 2874.8 SR 457.2 SS 2110.1
 ROE -.1990 RRA .7217 RC3 -.6664 FAU .06827 RRT .9678 RRF .9579 RTF .9891 CRT .9361 CRS -.9217 CST -.9992
 FDE-3.0893 FRA 4.7280 FC3-4.3044 BSP 18486 SGB 5869.6 R23 -.0086 R13 .9891 LSA 3590.8 MSA 178.3 SSA 14.2
 BOE 1.6667 BRA 2.8858 BC3 3.7020 FSP -2791 SGI 5861.3 SG2 312.0 TMA 12.12 ELI 2906.6 EL2 159.0 ALF 8.49

LAUNCH DATE APR 29 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 550.766

RL 150.64 LAL .00 LOL 218.00 VL 27.217 GAL 6.71 AZL 91.66 MCA 244.52 SMA 129.96 ECC .19657 INC 1.6574 V1 29.578
 RP 107.57 LAP 1.50 LOP 102.51 VP 38.032 GAP 5.51 AZP 89.29 TAL 150.24 TAP 34.75 RCA 104.41 APO 155.50 V2 35.230
 RC 111.351 GL -11.81 GP -18.63 ZAL 44.37 ZAP 141.29 ETS 336.85 ZAE 127.81 ETE 194.52 ZAC 130.35 ETC 4.81 CLP-145.43

PLANETOCENTRIC CONIC

C3 14.598 VHL 3.821 OLA -8.81 RAL 170.62 RAD 6567.6 VEL 11.661 PTH 2.05 VHP 4.826 DPA .60 RAP 135.35 ECC 1.2402
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 24 55 1865.04 -9.84 20.45 26.12 116.69 9 56 1 1265.0 -6.18 13.68
 90.00 19 9 33 5062.64 23.94 223.79 29.38 74.41 20 33 55 4462.6 21.57 215.92
 100.00 10 41 59 1616.46 -10.79 1.67 25.63 118.05 11 8 55 1016.5 -6.95 354.98
 100.00 20 35 11 4786.45 24.96 203.15 29.05 73.00 21 54 57 4186.5 22.40 195.29
 110.00 11 40 27 1433.38 -13.28 346.31 24.16 121.79 12 4 20 833.4 -8.99 339.85
 110.00 21 53 12 4542.29 27.69 183.56 28.01 69.10 23 8 54 3942.3 24.59 175.76

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8010 TRA 2.9722 TC3-3.5277 BAU .6974 SGT 5908.0 SGR 1142.9 SG3 752.3 ST 3021.9 SR 392.9 SS 2073.3
 ROE -.1619 RRA .6779 RC3 -.5690 FAU .06206 RRT .9579 RRF .9454 RTF .9888 CRT .9050 CRS -.8891 CST -.9993
 FDE-3.0153 FRA 4.5401 FC3-3.6807 BSP 19031 SGB 6017.5 R23 -.0161 R13 .9887 LSA 3681.3 MSA 181.3 SSA 14.2
 BOE 1.8083 BRA 3.0485 BC3 3.5733 FSP -2608 SGI 6008.9 SG2 322.8 TMA 10.53 ELI 3042.8 EL2 166.0 ALF 6.73

LAUNCH DATE APR 29 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 556.816

RL 150.64 LAL .00 LOL 218.00 VL 27.200 GAL 6.97 AZL 91.80 MCA 247.76 SMA 129.84 ECC .20006 INC 1.8000 V1 29.578
 RP 107.55 LAP 1.67 LOP 105.75 VP 38.025 GAP 5.98 AZP 89.32 TAL 149.61 TAP 37.37 RCA 103.87 APO 155.82 V2 35.236
 RC 113.598 GL -12.42 GP -17.38 ZAL 43.67 ZAP 143.91 ETS 336.23 ZAE 126.80 ETE 193.15 ZAC 129.50 ETC 6.01 CLP-147.86

PLANETOCENTRIC CONIC

C3 15.561 VHL 3.945 OLA -9.71 RAL 171.17 RAD 6567.6 VEL 11.702 PTH 2.06 VHP 5.028 DPA 1.60 RAP 136.43 ECC 1.2561
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 34 18 1850.06 -9.38 19.59 27.55 116.84 10 5 8 1250.1 -5.71 12.83
 90.00 19 4 33 5106.22 24.71 226.75 31.28 75.70 20 29 39 4506.2 22.50 218.78
 100.00 10 50 52 1603.06 -10.36 .91 27.04 118.20 11 17 35 1003.1 -6.51 354.24
 100.00 20 30 41 4828.45 25.77 206.01 30.96 74.30 21 51 9 4228.5 23.37 198.03
 110.00 11 48 14 1423.42 -12.93 345.76 25.52 121.92 12 11 57 823.4 -8.61 339.32
 110.00 21 49 48 4580.86 28.59 186.20 29.95 70.42 23 6 9 3980.9 25.66 178.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9475 TRA 3.1581 TC3-3.3964 BAU .7138 SGT 6067.3 SGR 1034.8 SG3 699.5 ST 3155.2 SR 337.3 SS 2031.7
 ROE -.1261 RRA .6401 RC3 -.4871 FAU .05621 RRT .9452 RRF .9300 RTF .9885 CRT .8588 CRS -.8413 CST -.9994
 FDE-2.9527 FRA 4.3622 FC3-3.1272 BSP 19549 SGB 6154.9 R23 -.0220 R13 .9883 LSA 3763.3 MSA 184.2 SSA 14.1
 BOE 1.9516 BRA 3.2203 BC3 3.4312 FSP -2432 SGI 6145.9 SG2 333.5 TMA 9.19 ELI 3168.5 EL2 172.1 ALF 5.26

LAUNCH DATE APR 29 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 562.833

RL 150.64 LAL .00 LOL 218.00 VL 27.183 GAL 7.26 AZL 91.94 MCA 251.00 SMA 129.72 ECC .20385 INC 1.9362 V1 29.578
 RP 107.53 LAP 1.83 LOP 108.99 VP 38.018 GAP 6.46 AZP 89.37 TAL 148.96 TAP 39.96 RCA 103.28 APO 156.17 V2 35.241
 RC 115.842 GL -12.91 GP -16.27 ZAL 42.94 ZAP 146.36 ETS 335.60 ZAE 125.85 ETE 191.99 ZAC 128.49 ETC 7.06 CLP-150.14

PLANETOCENTRIC CONIC

C3 16.630 VHL 4.078 DLA -10.52 RAL 171.78 RAD 6567.7 VEL 11.748 PTH 2.07 VMP 5.245 DPA 2.42 RAP 137.62 ECC 1.2737
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 43 13 1838.82 -9.04 18.94 29.10 116.95 10 13 52 1238.8 -5.35 12.20
 90.00 19 0 28 5147.70 25.37 229.61 33.28 76.99 20 26 16 4547.7 23.33 221.53
 100.00 10 59 20 1593.28 -10.04 .35 28.56 118.30 11 25 53 993.3 -6.18 353.69
 100.00 20 27 3 4868.48 26.48 208.77 32.98 75.59 21 48 11 4268.5 24.24 200.69
 110.00 11 55 42 1416.77 -12.69 345.40 27.00 122.01 12 19 18 816.8 -8.37 338.96
 110.00 21 47 10 4617.75 29.41 188.76 32.01 71.74 23 4 8 4017.7 26.63 180.67

DIFFERENTIAL CORRECTIONS

TDE-2.0903 TRA 3.3512 TC3-3.2396 BAU .7262
 RDE -.0907 RRA .6080 RC3 -.4156 FAU .05037
 FDE-2.8379 FRA 4.2013 FC3-2.6224 BSP 19929
 BDE 2.0923 BRA 3.4059 BC3 3.2662 FSP -2252

MID-COURSE EXECUTION ACCURACY

SGT 6208.0 SGR 941.3 SG3 649.5
 RRT .9294 RRF .9114 RTF .9880
 SGB 6279.0 R23 -.0262 R13 .9879
 SGI 6269.5 SG2 344.1 TMA 8.04

ORBIT DETERMINATION ACCURACY

ST 3270.4 SR 290.3 SS 1982.8
 CRT .7895 CRS -.7701 CST -.9995
 LSA 3830.9 MSA 187.3 SSA 14.1
 EL1 3278.4 EL2 177.7 ALF 4.02

LAUNCH DATE APR 29 1967

FLIGHT TIME 208.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 568.813

RL 150.64 LAL .00 LOL 218.00 VL 27.165 GAL 7.57 AZL 92.07 MCA 254.24 SMA 129.60 ECC .20796 INC 2.0672 V1 29.578
 RP 107.52 LAP 1.99 LOP 112.24 VP 38.009 GAP 6.95 AZP 89.44 TAL 148.29 TAP 42.53 RCA 102.65 APO 156.55 V2 35.246
 RC 118.080 GL -13.30 GP -15.27 ZAL 42.19 ZAP 148.65 ETS 334.92 ZAE 124.96 ETE 191.01 ZAC 127.33 ETC 7.99 CLP-152.29

PLANETOCENTRIC CONIC

C3 17.818 VHL 4.221 DLA -11.23 RAL 172.43 RAD 6567.7 VEL 11.798 PTH 2.09 VMP 5.475 DPA 3.09 RAP 138.92 ECC 1.2932
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 51 43 1831.04 -8.80 18.50 30.75 117.02 10 22 14 1231.0 -5.10 11.76
 90.00 18 57 12 5187.36 25.95 232.37 35.39 78.25 20 23 39 4587.4 24.07 224.20
 100.00 11 7 24 1586.84 -9.84 359.99 30.19 118.37 11 33 51 986.8 -5.97 353.33
 100.00 20 24 11 4906.79 27.10 211.45 35.10 76.87 21 45 58 4306.8 25.02 203.26
 110.00 12 2 51 1413.21 -12.56 345.20 28.58 122.06 12 26 24 803.2 -8.23 338.77
 110.00 21 45 14 4653.19 30.14 191.26 34.17 73.05 23 2 47 4053.2 27.52 183.05

DIFFERENTIAL CORRECTIONS

TDE-2.2377 TRA 3.5506 TC3-3.0817 BAU .7390
 RDE -.0573 RRA .5793 RC3 -.3568 FAU .04523
 FDE-2.7481 FRA 4.0469 FC3-2.1978 BSP 20376
 BDE 2.2385 BRA 3.5975 BC3 3.1023 FSP -2097

MID-COURSE EXECUTION ACCURACY

SGT 6335.4 SGR 860.0 SG3 603.1
 RRT .9102 RRF .8894 RTF .9876
 SGB 6393.5 R23 -.0299 R13 .9875
 SGI 6383.7 SG2 353.4 TMA 7.07

ORBIT DETERMINATION ACCURACY

ST 3377.1 SR 252.9 SS 1935.4
 CRT .6923 CRS -.6712 CST -.9995
 LSA 3895.9 MSA 189.9 SSA 14.1
 EL1 3381.7 EL2 182.3 ALF 2.98

LAUNCH DATE APR 29 1967

FLIGHT TIME 210.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 574.754

RL 150.64 LAL .00 LOL 218.00 VL 27.146 GAL 7.90 AZL 92.19 MCA 257.49 SMA 129.47 ECC .21241 INC 2.1942 V1 29.578
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.999 GAP 7.45 AZP 89.52 TAL 147.60 TAP 45.08 RCA 101.97 APO 156.97 V2 35.250
 RC 120.312 GL -13.61 GP -14.37 ZAL 41.43 ZAP 150.80 ETS 334.18 ZAE 124.14 ETE 190.17 ZAC 126.05 ETC 8.78 CLP-154.31

PLANETOCENTRIC CONIC

C3 19.139 VHL 4.375 DLA -11.87 RAL 173.12 RAD 6567.8 VEL 11.854 PTH 2.10 VMP 5.719 DPA 3.61 RAP 140.31 ECC 1.3150
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 59 47 1826.50 -8.66 18.24 32.49 117.07 10 30 14 1226.5 -4.96 11.51
 90.00 18 54 39 5225.45 26.45 235.04 37.58 79.51 20 21 45 4625.4 24.73 226.80
 100.00 11 15 6 1583.53 -9.73 359.80 31.92 118.40 11 41 29 983.5 -5.86 353.15
 100.00 20 22 2 4943.64 27.64 214.05 37.32 78.14 21 44 26 4343.6 25.73 205.78
 110.00 12 9 42 1412.52 -12.53 345.16 30.26 122.07 12 33 15 812.5 -8.21 338.74
 110.00 21 43 55 4687.42 30.79 193.71 36.44 74.37 23 2 2 4087.4 28.34 185.37

DIFFERENTIAL CORRECTIONS

TDE-2.3866 TRA 3.7597 TC3-2.9148 BAU .7499
 RDE -.0248 RRA .5542 RC3 -.3066 FAU .04045
 FDE-2.6584 FRA 3.9052 FC3-1.8297 BSP 20790
 BDE 2.3867 BRA 3.8003 BC3 2.9309 FSP -1952

MID-COURSE EXECUTION ACCURACY

SGT 6449.0 SGR 789.3 SG3 559.9
 RRT .8874 RRF .8638 RTF .9873
 SGB 6497.2 R23 -.0327 R13 .9871
 SGI 6487.1 SG2 361.7 TMA 6.22

ORBIT DETERMINATION ACCURACY

ST 3471.9 SR 225.0 SS 1886.8
 CRT .5608 CRS -.5382 CST -.9996
 LSA 3953.2 MSA 192.3 SSA 14.0
 EL1 3474.2 EL2 186.2 ALF 2.09

LAUNCH DATE APR 29 1967

FLIGHT TIME 212.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 580.652

RL 150.64 LAL .00 LOL 218.00 VL 27.126 GAL 8.25 AZL 92.32 MCA 260.73 SMA 129.33 ECC .21723 INC 2.3180 V1 29.578
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.989 GAP 7.97 AZP 89.63 TAL 146.89 TAP 47.62 RCA 101.24 APO 157.43 V2 35.253
 RC 122.538 GL -13.84 GP -13.56 ZAL 40.65 ZAP 152.82 ETS 333.36 ZAE 123.39 ETE 189.45 ZAC 124.66 ETC 9.47 CLP-156.23

PLANETOCENTRIC CONIC

C3 20.611 VHL 4.540 DLA -12.44 RAL 173.85 RAD 6567.8 VEL 11.916 PTH 2.12 VMP 5.977 DPA 4.00 RAP 141.78 ECC 1.3392
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 7 28 1825.00 -8.61 18.15 34.33 117.08 10 37 53 1225.0 -4.91 11.42
 90.00 18 52 47 5262.16 26.88 237.65 39.87 80.74 20 20 29 4662.2 25.32 229.32
 100.00 11 22 26 1583.16 -9.72 359.78 33.74 118.41 11 48 49 983.2 -5.85 353.13
 100.00 20 20 30 4979.23 28.11 216.59 39.63 79.40 21 43 30 4379.2 26.36 208.23
 110.00 12 16 16 1414.54 -12.61 345.27 32.02 122.04 12 39 51 814.5 -8.28 338.84
 110.00 21 43 9 4720.62 31.38 196.12 38.80 75.68 23 1 50 4120.6 29.09 187.66

DIFFERENTIAL CORRECTIONS

TDE-2.5370 TRA 3.9799 TC3-2.7409 BAU .7587
 RDE .0069 RRA .5318 RC3 -.2633 FAU .03598
 FDE-2.5697 FRA 3.7761 FC3-1.5111 BSP 21160
 BDE 2.5370 BRA 4.0159 BC3 2.7535 FSP -1816

MID-COURSE EXECUTION ACCURACY

SGT 6549.9 SGR 727.7 SG3 520.0
 RRT .8607 RRF .8343 RTF .9869
 SGB 6590.2 R23 -.0348 R13 .9867
 SGI 6579.8 SG2 368.9 TMA 5.48

ORBIT DETERMINATION ACCURACY

ST 3555.0 SR 206.5 SS 1837.6
 CRT .3964 CRS -.3730 CST -.9996
 LSA 4002.4 MSA 194.4 SSA 13.9
 EL1 3555.9 EL2 189.5 ALF 1.32

LAUNCH DATE APR 29 1967

FLIGHT TIME 214.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 586.503

RL 150.64 LAL .00 LOL 218.00 VL 27.106 GAL 8.64 AZL 92.44 MCA 263.98 SMA 129.20 ECC .22244 INC 2.4395 V1 29.578
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.977 GAP 8.50 AZP 89.74 TAL 146.18 TAP 50.15 RCA 100.46 APO 157.94 V2 35.256
 RC 124.755 GL -13.99 GP -12.84 ZAL 39.86 ZAP 154.73 ETS 332.44 ZAE 122.68 ETE 188.84 ZAC 123.18 ETC 10.06 CLP-158.05

PLANETOCENTRIC CONIC

C3 22.252 VML 4.717 OLA -12.94 RAL 174.61 RAD 6567.9 VEL 11.985 PTH 2.14 VMP 6.250 DPA 4.28 RAP 143.32 ECC 1.3662
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 14 46 1826.40 -8.65 18.23 36.24 117.07 10 45 12 1226.4 -4.95 11.50
 90.00 18 51 30 5297.67 27.24 240.18 42.23 81.96 20 19 48 4697.7 25.85 231.79
 100.00 11 29 24 1585.58 -9.79 359.92 35.63 118.38 11 55 50 985.6 -5.93 353.26
 100.00 20 19 33 5013.71 28.52 219.07 42.01 80.64 21 43 7 4413.7 26.93 210.63
 110.00 12 22 33 1419.12 -12.77 345.52 33.87 121.98 12 46 12 819.1 -8.45 339.09
 110.00 21 42 54 4752.94 31.90 198.50 41.24 77.00 23 2 6 4152.9 29.78 189.93

DIFFERENTIAL CORRECTIONS

TDE-2.6891 TRA 4.2130 TC3-2.5624 BAU .7652
 RDE .0380 RRA .5116 RC3 -.2260 FAU .03182
 FDE-2.4830 FRA 3.6598 FC3-1.2380 BSP .21489
 BDE 2.6894 BRA 4.2440 BC3 2.5723 FSP -1689

MID-COURSE EXECUTION ACCURACY

SGT 6639.2 SGR 673.9 SG3 483.1
 RRT .8298 RRF .8010 RTF .9865
 SGB 6673.4 R23 -.0362 R13 .9864
 SG1 6662.8 SG2 374.8 THA 4.83

ORBIT DETERMINATION ACCURACY

ST 3626.9 SR 196.9 SS 1788.3
 CRT .2117 CRS -.1885 CST -.9997
 LSA 4043.8 MSA 196.3 SSA 13.7
 EL1 3627.2 EL2 192.4 ALF .66

LAUNCH DATE APR 29 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 592.302

RL 150.64 LAL .00 LOL 218.00 VL 27.086 GAL 9.05 AZL 92.56 MCA 267.22 SMA 129.06 ECC .22807 INC 2.5596 V1 29.578
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.964 GAP 9.05 AZP 89.88 TAL 145.45 TAP 52.67 RCA 99.62 APO 158.49 V2 35.258
 RC 126.964 GL -14.09 GP -12.19 ZAL 39.06 ZAP 156.53 ETS 331.39 ZAE 122.03 ETE 188.30 ZAC 121.63 ETC 10.56 CLP-159.79

PLANETOCENTRIC CONIC

C3 24.086 VML 4.908 OLA -13.38 RAL 175.38 RAD 6568.0 VEL 12.061 PTH 2.16 VMP 6.538 DPA 4.45 RAP 144.93 ECC 1.3964
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 21 41 1830.56 -8.78 18.47 38.23 117.03 10 52 11 1230.6 -5.09 11.74
 90.00 18 50 47 5332.13 27.55 242.66 44.67 83.17 20 19 39 4732.1 26.31 234.21
 100.00 11 36 2 1590.67 -9.96 .21 37.60 118.33 12 2 32 990.7 -6.10 353.55
 100.00 20 19 7 5047.25 28.87 221.51 44.48 81.88 21 43 14 4447.2 27.44 212.99
 110.00 12 28 33 1426.16 -13.02 345.91 35.79 121.89 12 52 20 826.2 -8.72 339.46
 110.00 21 43 5 4784.52 32.36 200.85 43.77 78.32 23 2 49 4184.5 30.41 192.17

DIFFERENTIAL CORRECTIONS

TDE-2.8414 TRA 4.4626 TC3-2.3772 BAU .7680
 RDE .0689 RRA .4934 RC3 -.1930 FAU .02781
 FDE-2.3986 FRA 3.5575 FC3 -.9997 BSP .21714
 BDE 2.8423 BRA 4.4898 BC3 2.3830 FSP -1565

MID-COURSE EXECUTION ACCURACY

SGT 6717.6 SGR 626.8 SG3 449.1
 RRT .7946 RRF .7638 RTF .9861
 SGB 6746.8 R23 -.0368 R13 .9860
 SG1 6736.1 SG2 379.5 THA 4.25

ORBIT DETERMINATION ACCURACY

ST 3686.4 SR 195.1 SS 1738.3
 CRT .0263 CRS -.0043 CST -.9997
 LSA 4075.5 MSA 198.1 SSA 13.8
 EL1 3686.4 EL2 195.0 ALF .08

LAUNCH DATE APR 29 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 598.043

RL 150.64 LAL .00 LOL 218.00 VL 27.065 GAL 9.49 AZL 92.68 MCA 270.47 SMA 128.92 ECC .23417 INC 2.6791 V1 29.578
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.950 GAP 9.62 AZP 90.02 TAL 144.72 TAP 55.18 RCA 98.73 APO 159.11 V2 35.259
 RC 129.165 GL -14.13 GP -11.60 ZAL 38.25 ZAP 158.24 ETS 330.19 ZAE 121.42 ETE 187.83 ZAC 120.01 ETC 10.99 CLP-161.46

PLANETOCENTRIC CONIC

C3 26.141 VML 5.113 OLA -13.76 RAL 176.17 RAD 6568.1 VEL 12.146 PTH 2.18 VMP 6.843 DPA 4.53 RAP 146.58 ECC 1.4302
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 28 13 1837.37 -8.99 18.86 40.29 116.96 10 58 50 1237.4 -5.30 12.12
 90.00 18 50 33 5363.66 27.80 245.08 47.18 84.36 20 19 59 4765.7 26.72 236.58
 100.00 11 42 18 1598.31 -10.21 .64 39.64 118.25 12 8 57 998.3 -6.35 353.97
 100.00 20 19 9 5079.94 29.16 223.89 47.01 83.10 21 43 49 4479.9 27.90 215.32
 110.00 12 34 16 1435.54 -13.36 346.43 37.78 121.76 12 58 12 835.5 -9.07 339.97
 110.00 21 43 40 4815.48 32.76 203.17 46.37 79.64 23 3 55 4215.5 30.98 194.40

DIFFERENTIAL CORRECTIONS

TDE-3.0014 TRA 4.7226 TC3-2.1981 BAU .7703
 RDE .0991 RRA .4758 RC3 -.1651 FAU .02428
 FDE-2.3187 FRA 3.4621 FC3 -.8041 BSP .22006
 BDE 3.0030 BRA 4.7465 BC3 2.2043 FSP -1459

MID-COURSE EXECUTION ACCURACY

SGT 6786.3 SGR 584.9 SG3 417.8
 RRT .7550 RRF .7223 RTF .9859
 SGB 6811.4 R23 -.0372 R13 .9857
 SG1 6800.7 SG2 382.7 THA 3.74

ORBIT DETERMINATION ACCURACY

ST 3740.3 SR 198.7 SS 1691.9
 CRT -.1397 CRS -.1600 CST -.9998
 LSA 4105.1 MSA 199.2 SSA 13.4
 EL1 3740.4 EL2 196.7 ALF 179.57

LAUNCH DATE APR 29 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 603.718

RL 150.64 LAL .00 LOL 218.00 VL 27.044 GAL 9.97 AZL 92.80 MCA 273.71 SMA 128.77 ECC .24077 INC 2.7987 V1 29.578
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.935 GAP 10.22 AZP 90.18 TAL 143.98 TAP 57.69 RCA 97.77 APO 159.78 V2 35.259
 RC 131.355 GL -14.11 GP -11.07 ZAL 37.45 ZAP 159.86 ETS 328.81 ZAE 120.85 ETE 187.41 ZAC 118.33 ETC 11.35 CLP-163.07

PLANETOCENTRIC CONIC

C3 28.448 VML 5.334 OLA -14.10 RAL 176.97 RAD 6568.1 VEL 12.240 PTH 2.20 VMP 7.166 DPA 4.52 RAP 148.28 ECC 1.4682
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 34 22 1846.73 -9.28 19.39 42.40 116.87 11 5 8 1246.7 -5.60 12.65
 90.00 18 50 47 5398.35 27.99 247.45 49.74 85.53 20 20 45 4798.4 27.08 238.90
 100.00 11 48 13 1608.38 -10.53 1.21 41.74 118.14 12 15 2 1008.4 -6.69 354.53
 100.00 20 19 36 5111.90 29.40 226.24 49.60 84.31 21 44 48 4511.9 28.30 217.61
 110.00 12 39 42 1447.18 -13.78 347.08 39.84 121.60 13 3 49 847.2 -9.50 340.59
 110.00 21 44 37 4845.91 33.11 205.48 49.04 80.96 23 5 23 4245.9 31.51 196.62

DIFFERENTIAL CORRECTIONS

TDE-3.1654 TRA 4.9994 TC3-2.0194 BAU .7699
 RDE .1291 RRA .4590 RC3 -.1406 FAU .02098
 FDE-2.2447 FRA 3.3776 FC3 -.6384 BSP .22263
 BDE 3.1681 BRA 5.0204 BC3 2.0242 FSP -1361

MID-COURSE EXECUTION ACCURACY

SGT 6845.7 SGR 547.8 SG3 389.0
 RRT .7109 RRF .6768 RTF .9856
 SGB 6867.6 R23 -.0372 R13 .9855
 SG1 6856.8 SG2 384.6 THA 3.27

ORBIT DETERMINATION ACCURACY

ST 3785.0 SR 206.2 SS 1646.9
 CRT -.2793 CRS .2975 CST -.9998
 LSA 4128.1 MSA 199.9 SSA 13.3
 EL1 3785.5 EL2 198.0 ALF 179.13

LAUNCH DATE APR 30 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 9 1967

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 15.214 GAL 27.67 AZL 89.72 MCA 34.73 SMA 86.74 ECC .80119 INC .2784 V1 29.570
 RP 108.60 LAP .16 LOP 253.71 VP 30.232 GAP -51.80 AZP 89.77 TAL 172.25 TAP 206.98 RCA 17.24 APO 156.23 V2 34.894
 RC 83.901 GL .22 GP 2.34 ZAL 67.64 ZAP 34.19 ETS 186.34 ZAE 137.46 ETE 175.82 ZAC 152.28 ETC 40.23 CLP 34.12

PLANETOCENTRIC CONIC
 C3 302.793 VHL 17.401 OLA 11.20 RAL 153.44 RAD 6571.7 VEL 20.594 PTH 3.17 VMP 28.966 DPA 26.34 RAP 109.74 ECC 5.9832
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 39 43 3145.00 -26.77 106.86 62.42 80.42 6 32 8 2545.0 -27.82 98.35
 90.00 20 29 50 5078.65 24.23 224.87 51.64 74.88 21 54 28 2478.7 21.92 216.96
 100.00 7 6 42 2864.49 -28.46 86.55 62.74 80.45 7 54 26 2264.5 -29.49 77.90
 100.00 21 45 32 4834.40 25.88 206.42 51.15 74.49 23 6 6 4234.4 23.50 198.42
 110.00 8 27 42 2611.01 -32.98 68.19 63.62 80.47 9 11 13 2011.0 -33.95 59.08
 110.00 22 41 1 4660.65 30.29 191.79 49.70 73.33 23 58 42 4060.6 27.71 183.55

DIFFERENTIAL CORRECTIONS
 TOE .7735 TRA-2.0118 TC3 -.1064 BAU .4313
 RDE-1.2496 RRA -.6152 RC3 .0056 FAU .01195
 FDE -.3086 FRA .6914 FC3 -.0342 BSP 1899
 BDE 1.4696 BRA 2.1037 BC3 .1065 FSP -48

MID-COURSE EXECUTION ACCURACY
 SGT 811.2 SGR 460.8 SG3 24.2
 RRT .0734 RRF -.0655 RTF -.6105
 SGB 932.9 R23 .0004 R13 -.6108
 SGI 812.2 SG2 459.0 THA 3.51

ORBIT DETERMINATION ACCURACY
 ST 325.6 SR 416.1 SS 308.4
 CRT -.6808 CRS -.7312 CST .9955
 LSA 564.9 MSA 234.3 SSA 14.1
 EL1 487.6 EL2 203.5 ALF 125.01

LAUNCH DATE APR 30 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 11 1967

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 16.016 GAL 26.40 AZL 90.05 MCA 37.91 SMA 88.18 ECC .77509 INC .0469 V1 29.570
 RP 108.64 LAP -.03 LOP 256.88 VP 30.631 GAP -49.49 AZP 90.04 TAL 171.39 TAP 209.30 RCA 19.83 APO 156.53 V2 34.883
 RC 81.561 GL -.04 GP 2.39 ZAL 66.32 ZAP 32.68 ETS 186.59 ZAE 137.57 ETE 175.29 ZAC 150.91 ETC 38.38 CLP 32.60

PLANETOCENTRIC CONIC
 C3 276.267 VHL 16.621 OLA 10.49 RAL 154.61 RAD 6571.6 VEL 19.939 PTH 3.14 VMP 27.898 DPA 26.25 RAP 111.59 ECC 5.5466
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 50 14 3110.12 -27.14 104.38 62.42 81.61 6 42 4 2510.1 -28.03 95.82
 90.00 20 28 37 5091.05 24.45 225.72 52.23 75.25 21 53 28 24491.0 22.18 217.78
 100.00 7 16 47 2830.94 -28.81 84.12 62.70 81.68 8 3 58 2230.9 -29.67 75.42
 100.00 21 44 44 4845.46 26.08 207.18 51.75 74.84 23 5 30 4245.5 23.74 199.16
 110.00 8 36 53 2580.32 -33.31 65.85 63.46 81.82 9 19 53 1980.3 -34.08 56.69
 110.00 22 41 8 4668.85 30.44 192.38 50.35 73.65 23 58 57 4068.8 27.90 184.10

DIFFERENTIAL CORRECTIONS
 TOE .7819 TRA-2.0250 TC3 -.1135 BAU .4200
 RDE-1.2042 RRA -.6069 RC3 .0068 FAU .01202
 FDE -.3248 FRA .7163 FC3 -.0377 BSP 2029
 BDE 1.4358 BRA 2.1140 BC3 .1137 FSP -53

MID-COURSE EXECUTION ACCURACY
 SGT 847.9 SGR 467.0 SG3 26.1
 RRT .0772 RRF -.0694 RTF -.6293
 SGB 968.0 R23 .0001 R13 -.6296
 SGI 849.0 SG2 465.0 THA 3.48

ORBIT DETERMINATION ACCURACY
 ST 343.7 SR 420.0 SS 325.4
 CRT -.6810 CRS -.7349 CST .9952
 LSA 585.1 MSA 240.5 SSA 14.3
 EL1 499.8 EL2 211.5 ALF 126.75

LAUNCH DATE APR 30 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 13 1967

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 16.768 GAL 25.22 AZL 90.33 MCA 41.08 SMA 89.65 ECC .74892 INC .3304 V1 29.570
 RP 108.67 LAP -.22 LOP 260.05 VP 31.019 GAP -47.30 AZP 90.25 TAL 170.54 TAP 211.62 RCA 22.51 APO 156.79 V2 34.872
 RC 79.241 GL -.32 GP 2.46 ZAL 65.04 ZAP 31.20 ETS 186.86 ZAE 137.74 ETE 174.71 ZAC 149.49 ETC 36.67 CLP 31.11

PLANETOCENTRIC CONIC
 C3 252.190 VHL 15.880 OLA 9.77 RAL 155.71 RAD 6571.5 VEL 19.326 PTH 3.10 VMP 26.868 DPA 26.14 RAP 113.46 ECC 5.1504
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 0 26 3074.74 -27.47 101.84 62.29 82.84 6 51 41 2474.7 -28.18 93.24
 90.00 20 27 14 5102.67 24.65 226.51 52.73 75.60 21 52 16 24502.7 22.42 218.54
 100.00 7 26 36 2796.86 -29.12 81.63 62.53 82.95 8 13 12 2196.9 -29.79 72.89
 100.00 21 43 45 4855.78 26.26 207.89 52.26 75.18 23 4 41 4255.8 23.96 199.84
 110.00 8 45 47 2549.04 -33.58 63.45 63.16 83.21 9 28 16 1949.0 -34.16 54.25
 110.00 22 41 3 4676.36 30.59 192.92 50.90 73.94 23 58 59 4076.4 28.08 184.62

DIFFERENTIAL CORRECTIONS
 TOE .7874 TRA-2.0413 TC3 -.1212 BAU .4096
 RDE-1.1591 RRA -.5974 RC3 .0082 FAU .01209
 FDE -.3411 FRA .7419 FC3 -.0415 BSP 2100
 BDE 1.4013 BRA 2.1269 BC3 .1215 FSP -58

MID-COURSE EXECUTION ACCURACY
 SGT 887.3 SGR 472.7 SG3 28.2
 RRT .0824 RRF -.0739 RTF -.6470
 SGB 1005.4 R23 .0003 R13 -.6473
 SGI 888.5 SG2 470.4 THA 3.50

ORBIT DETERMINATION ACCURACY
 ST 362.1 SR 423.3 SS 342.8
 CRT -.6792 CRS -.7379 CST .9948
 LSA 605.6 MSA 246.7 SSA 14.5
 EL1 511.9 EL2 219.8 ALF 128.50

LAUNCH DATE APR 30 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 15 1967

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 17.475 GAL 24.12 AZL 90.58 MCA 44.25 SMA 91.14 ECC .72285 INC .5797 V1 29.570
 RP 108.70 LAP -.40 LOP 263.22 VP 31.395 GAP -45.23 AZP 90.42 TAL 169.70 TAP 213.95 RCA 25.26 APO 157.02 V2 34.862
 RC 76.944 GL -.61 GP 2.53 ZAL 63.82 ZAP 29.73 ETS 187.16 ZAE 138.00 ETE 174.08 ZAC 148.03 ETC 35.10 CLP 29.64

PLANETOCENTRIC CONIC
 C3 230.307 VHL 15.176 OLA 9.06 RAL 156.76 RAD 6571.3 VEL 18.752 PTH 3.06 VMP 25.874 DPA 26.01 RAP 115.35 ECC 4.7903
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 10 21 3038.80 -27.75 99.24 62.04 84.11 7 1 0 2438.8 -28.27 90.62
 90.00 20 25 39 5113.52 24.83 227.25 53.12 75.93 21 50 53 24513.5 22.65 219.26
 100.00 7 36 7 2762.19 -29.39 79.09 62.23 84.27 8 22 9 2162.2 -29.87 70.32
 100.00 21 42 34 4865.36 26.42 208.55 52.67 75.49 23 3 40 4265.4 24.17 200.48
 110.00 8 54 26 2517.12 -33.81 60.99 62.73 84.65 9 36 23 1917.1 -34.18 51.76
 110.00 22 40 45 4683.20 30.72 193.41 51.35 74.20 23 58 48 4083.2 28.24 185.08

DIFFERENTIAL CORRECTIONS
 TOE .7923 TRA-2.0575 TC3 -.1291 BAU .3987
 RDE-1.1143 RRA -.5870 RC3 .0099 FAU .01218
 FDE -.3578 FRA .7678 FC3 -.0458 BSP 2176
 BDE 1.3673 BRA 2.1396 BC3 .1295 FSP -63

MID-COURSE EXECUTION ACCURACY
 SGT 928.3 SGR 477.7 SG3 30.4
 RRT .0879 RRF -.0786 RTF -.6641
 SGB 1044.0 R23 .0005 R13 -.6644
 SGI 929.6 SG2 475.2 THA 3.51

ORBIT DETERMINATION ACCURACY
 ST 381.2 SR 426.0 SS 360.6
 CRT -.6771 CRS -.7406 CST .9943
 LSA 626.8 MSA 252.5 SSA 14.8
 EL1 524.3 EL2 228.0 ALF 130.33

LAUNCH DATE APR 30 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 17 1967

HELIOCENTRIC CONIC

DISTANCE 150.261

RL 150.68 LAL .00 LOL 218.97 VL 18.138 GAL 23.08 AZL 90.80 MCA 47.42 SMA 92.64 ECC .69704 INC .8016 V1 29.570
 RP 108.73 LAP -.59 LOP 266.39 VP 31.759 GAP -43.27 AZP 90.54 TAL 168.86 TAP 216.28 RCA 28.07 APO 157.22 V2 34.853
 RC 74.673 GL -.92 GP 2.60 ZAL 62.64 ZAP 28.30 ETS 187.51 ZAE 138.34 ETE 173.40 ZAC 146.53 ETC 33.65 CLP 28.19

PLANETOCENTRIC CONIC

C3 210.449 VHL 14.507 DLA 8.33 RAL 157.75 RAD 6571.2 VEL 18.214 PTH 3.02 VMP 24.914 DPA 25.86 RAP 117.26 ECC 4.4635
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 20 2 3002.25 -27.98 96.59 61.66 85.42 7 10 5 2402.2 -28.32 87.95
 90.00 20 23 54 5123.72 24.99 227.95 53.43 76.24 21 49 18 4523.7 22.86 219.93
 100.00 7 45 25 2726.88 -29.60 76.49 61.81 85.62 8 30 52 2126.9 -29.89 67.69
 100.00 21 41 12 4874.32 26.57 209.18 52.99 75.78 23 2 27 4274.3 24.36 201.08
 110.00 9 2 52 2484.51 -33.99 58.46 62.18 86.14 9 44 16 1884.5 -34.15 49.21
 110.00 22 40 15 4689.45 30.83 193.86 51.70 74.45 23 58 24 4089.4 28.39 185.51

DIFFERENTIAL CORRECTIONS

TDE .6962 TRA-2.1750 TC3 -.1564 BAU .4410
 RDE-1.0722 RRA -.5780 RC3 .0113 FAU .01170
 FDE -.3621 FRA .8067 FC3 -.0481 BSP 179
 BDE 1.2784 BRA 2.2505 BC3 .1568 FSP -42

MID-COURSE EXECUTION ACCURACY

SGT 1017.4 SGR 483.3 SG3 32.7
 RRT .1403 RRF -.0999 RTF -.6627
 SGB 1126.4 R23 -.0195 R13 -.6625
 SG1 1020.3 SG2 477.2 TMA 4.89

ORBIT DETERMINATION ACCURACY

ST 379.0 SR 429.1 SS 371.6
 CRT -.6053 CRS -.7272 CST .9848
 LSA 625.1 MSA 273.4 SSA 15.7
 EL1 514.2 EL2 251.8 ALF 129.19

LAUNCH DATE APR 30 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 19 1967

HELIOCENTRIC CONIC

DISTANCE 156.113

RL 150.68 LAL .00 LOL 218.97 VL 18.761 GAL 22.09 AZL 91.00 MCA 50.59 SMA 94.16 ECC .67147 INC 1.0023 V1 29.570
 RP 108.76 LAP -.77 LOP 269.56 VP 32.109 GAP -41.40 AZP 90.64 TAL 168.03 TAP 218.62 RCA 30.93 APO 157.38 V2 34.844
 RC 72.433 GL -1.26 GP 2.68 ZAL 61.53 ZAP 26.88 ETS 187.91 ZAE 138.76 ETE 172.66 ZAC 144.99 ETC 32.32 CLP 26.75

PLANETOCENTRIC CONIC

C3 192.252 VHL 13.865 DLA 7.61 RAL 158.68 RAD 6571.0 VEL 17.708 PTH 2.98 VMP 23.983 DPA 25.69 RAP 119.18 ECC 4.1640
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 29 23 2965.11 -28.15 93.89 61.14 86.77 7 18 48 2365.1 -28.30 85.23
 90.00 20 21 55 5132.97 25.14 228.59 53.61 76.53 21 47 28 4533.0 23.04 220.55
 100.00 7 54 23 2690.95 -29.76 73.83 61.24 87.01 8 39 14 2091.0 -29.85 65.02
 100.00 21 39 37 4882.36 26.71 209.74 53.18 76.05 23 0 59 4282.4 24.53 201.62
 110.00 9 10 58 2451.25 -34.11 55.87 61.48 87.67 9 51 50 1861.2 -34.06 46.62
 110.00 22 39 30 4694.83 30.93 194.23 51.92 74.66 23 57 45 4094.8 28.51 185.89

DIFFERENTIAL CORRECTIONS

TDE .8237 TRA-2.0664 TC3 -.1406 BAU .3632
 RDE-1.0250 RRA -.5630 RC3 .0139 FAU .01254
 FDE -.3952 FRA .8180 FC3 -.0565 BSP 2893
 BDE 1.3150 BRA 2.1418 BC3 .1413 FSP -81

MID-COURSE EXECUTION ACCURACY

SGT 1005.1 SGR 485.8 SG3 35.4
 RRT .0880 RRF -.0850 RTF -.7010
 SGB 1116.3 R23 -.0048 R13 -.7013
 SG1 1006.2 SG2 483.3 TMA 3.17

ORBIT DETERMINATION ACCURACY

ST 427.5 SR 429.4 SS 399.4
 CRT -.6863 CRS -.7486 CST .9946
 LSA 677.5 MSA 259.7 SSA 15.0
 EL1 556.4 EL2 240.0 ALF 134.82

LAUNCH DATE APR 30 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 21 1967

HELIOCENTRIC CONIC

DISTANCE 162.068

RL 150.68 LAL .00 LOL 218.97 VL 19.347 GAL 21.15 AZL 91.19 MCA 53.76 SMA 95.67 ECC .64639 INC 1.1852 V1 29.570
 RP 108.79 LAP -.96 LOP 272.73 VP 32.446 GAP -39.62 AZP 90.70 TAL 167.22 TAP 220.98 RCA 33.83 APO 157.51 V2 34.835
 RC 70.227 GL -1.61 GP 2.77 ZAL 60.46 ZAP 25.48 ETS 188.37 ZAE 139.26 ETE 171.85 ZAC 143.41 ETC 31.09 CLP 25.34

PLANETOCENTRIC CONIC

C3 175.727 VHL 13.256 DLA 6.88 RAL 159.55 RAD 6570.9 VEL 17.235 PTH 2.94 VMP 23.083 DPA 25.50 RAP 121.12 ECC 3.8920
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 38 30 2927.25 -28.26 91.13 60.51 88.15 7 27 18 2327.2 -28.22 82.46
 90.00 20 19 45 5141.67 25.28 229.19 53.70 76.80 21 45 26 4541.7 23.21 221.13
 100.00 8 3 8 2654.30 -29.86 71.11 60.57 88.44 8 47 22 2054.3 -29.75 62.30
 100.00 21 37 48 4889.85 26.83 210.26 53.28 76.30 22 59 18 4289.9 24.68 202.12
 110.00 9 18 53 2417.22 -34.18 53.21 60.67 89.24 9 59 10 1817.2 -33.90 43.98
 110.00 22 38 32 4699.69 31.01 194.60 52.05 74.85 23 56 52 4099.7 28.62 186.22

DIFFERENTIAL CORRECTIONS

TDE .8268 TRA-2.0822 TC3 -.1486 BAU .3513
 RDE -.9813 RRA -.5501 RC3 .0163 FAU .01267
 FDE -.4131 FRA .8452 FC3 -.0624 BSP 2970
 BDE 1.2831 BRA 2.1537 BC3 .1495 FSP -87

MID-COURSE EXECUTION ACCURACY

SGT 1051.1 SGR 489.0 SG3 38.1
 RRT .0944 RRF -.0905 RTF -.7162
 SGB 1159.2 R23 -.0046 R13 -.7165
 SG1 1052.4 SG2 486.2 TMA 3.20

ORBIT DETERMINATION ACCURACY

ST 449.2 SR 430.2 SS 418.8
 CRT -.6833 CRS -.7505 CST .9941
 LSA 701.5 MSA 264.3 SSA 15.2
 EL1 570.7 EL2 247.2 ALF 136.81

LAUNCH DATE APR 30 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 23 1967

HELIOCENTRIC CONIC

DISTANCE 168.108

RL 150.68 LAL .00 LOL 218.97 VL 19.896 GAL 20.26 AZL 91.35 MCA 56.92 SMA 97.18 ECC .62181 INC 1.3539 V1 29.570
 RP 108.81 LAP -1.13 LOP 275.89 VP 32.768 GAP -37.92 AZP 90.74 TAL 166.42 TAP 223.35 RCA 36.75 APO 157.61 V2 34.827
 RC 68.060 GL -1.99 GP 2.86 ZAL 59.45 ZAP 24.10 ETS 188.89 ZAE 139.86 ETE 170.96 ZAC 141.80 ETC 29.96 CLP 23.94

PLANETOCENTRIC CONIC

C3 160.657 VHL 12.675 DLA 6.14 RAL 160.36 RAD 6570.7 VEL 16.792 PTH 2.90 VMP 22.212 DPA 25.30 RAP 123.06 ECC 3.6440
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 47 24 2888.66 -28.31 88.31 59.76 89.56 7 35 32 2288.7 -28.07 79.65
 90.00 20 17 20 5149.72 25.40 229.75 53.69 77.05 21 43 10 4549.7 23.37 221.67
 100.00 8 11 39 2616.90 -29.89 68.33 59.77 89.90 8 55 16 2016.9 -29.59 59.54
 100.00 21 35 46 4896.72 26.94 210.74 53.28 76.53 22 57 23 4296.7 24.82 202.58
 110.00 9 26 34 2382.44 -34.17 50.49 59.73 90.85 10 6 17 1782.4 -33.68 41.28
 110.00 22 37 20 4703.94 31.09 194.91 52.08 75.02 23 55 44 4103.9 28.72 186.51

DIFFERENTIAL CORRECTIONS

TDE .8318 TRA-2.0949 TC3 -.1561 BAU .3378
 RDE -.9378 RRA -.5365 RC3 .0190 FAU .01284
 FDE -.4320 FRA .8728 FC3 -.0692 BSP 3110
 BDE 1.2536 BRA 2.1625 BC3 .1573 FSP -95

MID-COURSE EXECUTION ACCURACY

SGT 1097.8 SGR 491.5 SG3 41.1
 RRT .0998 RRF -.0960 RTF -.7312
 SGB 1202.8 R23 -.0051 R13 -.7316
 SG1 1099.1 SG2 488.4 TMA 3.19

ORBIT DETERMINATION ACCURACY

ST 472.4 SR 430.2 SS 439.0
 CRT -.6815 CRS -.7526 CST .9936
 LSA 727.3 MSA 268.0 SSA 15.4
 EL1 586.5 EL2 253.6 ALF 138.91

LAUNCH DATE APR 30 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 25 1967

DISTANCE 174.227

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 20.413 GAL 19.40 AZL 91.51 MCA 60.09 SMA 98.69 ECC .59780 INC 1.5107 V1 29.570
 RP 108.83 LAP -1.31 LOP 279.06 VP 33.077 GAP -36.30 AZP 90.75 TAL 165.64 TAP 225.73 RCA 39.69 APO 157.68 V2 34.820
 RC 65.936 GL -2.40 GP 2.97 ZAL 58.48 ZAP 22.74 ETS 189.50 ZAE 140.55 ETE 169.98 ZAC 140.17 ETC 28.91 CLP 22.56

PLANETOCENTRIC CONIC
 C3 146.909 VML 12.121 DLA 5.40 RAL 161.11 RAD 6570.6 VEL 16.378 PTH 2.86 VHP 21.369 DPA 25.07 RAP 125.02 ECC 3.4178
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 56 3 2849.31 -28.30 85.43 58.89 91.01 7 43 33 2249.3 -27.86 76.79
 90.00 20 14 42 5157.19 25.52 230.26 53.57 77.29 21 40 39 4557.2 23.51 222.17
 100.00 8 19 57 2578.72 -29.86 65.49 58.85 91.40 9 2 56 1978.7 -29.35 56.72
 100.00 21 33 29 4903.01 27.04 211.18 53.18 76.74 22 55 12 4303.0 24.94 203.01
 110.00 9 34 2 2346.86 -34.10 47.72 58.68 92.49 10 13 9 1746.9 -33.38 38.55
 110.00 22 35 54 4707.63 31.15 195.18 52.00 75.16 23 54 21 4107.6 28.80 186.76

DIFFERENTIAL CORRECTIONS
 TOE .8366 TRA-2.1064 TC3 -.1634 BAU .3238
 RDE -.8949 RRA -.5223 RC3 .0221 FAU .01304
 FDE -.4516 FRA .9009 FC3 -.0768 BSP 3262
 BDE 1.2250 BRA 2.1702 BC3 .1648 FSP -103

MID-COURSE EXECUTION ACCURACY
 SGT 1146.1 SGR 493.3 SG3 44.3
 RRT .1054 RRF -.1018 RTF -.7457
 SGB 1247.8 R23 -.0057 R13 -.7460
 SG1 1147.6 SG2 489.9 TMA 3.18

ORBIT DETERMINATION ACCURACY
 ST 496.6 SR 429.5 SS 460.0
 CRT -.6798 CRS -.7546 CST .9931
 LSA 754.2 MSA 271.2 SSA 15.6
 EL1 603.2 EL2 259.3 ALF 141.04

LAUNCH DATE APR 30 1967

FLIGHT TIME 88.00

ARRIVAL DATE JUL 27 1967

DISTANCE 180.419

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 20.898 GAL 18.59 AZL 91.66 MCA 63.25 SMA 100.18 ECC .57441 INC 1.6578 V1 29.570
 RP 108.85 LAP -1.48 LOP 282.22 VP 33.371 GAP -34.75 AZP 90.75 TAL 164.88 TAP 228.14 RCA 42.63 APO 157.72 V2 34.813
 RC 63.861 GL -2.83 GP 3.08 ZAL 57.57 ZAP 21.40 ETS 190.22 ZAE 141.33 ETE 168.90 ZAC 138.51 ETC 27.94 CLP 21.18

PLANETOCENTRIC CONIC
 C3 134.365 VML 11.592 DLA 4.65 RAL 161.81 RAD 6570.4 VEL 15.991 PTH 2.82 VHP 20.552 DPA 24.84 RAP 126.98 ECC 3.2113
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 4 30 2809.15 -28.22 82.49 57.90 92.48 7 51 19 2209.2 -27.58 73.89
 90.00 20 11 48 5164.13 25.62 230.75 53.55 77.51 21 37 52 4564.1 23.64 222.64
 100.00 8 28 2 2539.74 -29.76 62.60 57.82 92.92 9 10 22 1939.7 -29.04 53.87
 100.00 21 30 57 4908.78 27.13 211.59 52.97 76.94 22 52 46 4308.8 25.06 203.40
 110.00 9 41 17 2310.47 -33.96 44.88 57.51 94.16 10 19 48 1710.5 -33.01 35.77
 110.00 22 34 11 4710.81 31.21 195.41 51.82 75.29 23 52 42 4110.8 28.88 186.98

DIFFERENTIAL CORRECTIONS
 TOE .8431 TRA-2.1148 TC3 -.1698 BAU .3084
 RDE -.8524 RRA -.5077 RC3 .0256 FAU .01327
 FDE -.4722 FRA .9294 FC3 -.0855 BSP 3469
 BDE 1.1989 BRA 2.1749 BC3 .1717 FSP -113

MID-COURSE EXECUTION ACCURACY
 SGT 1195.2 SGR 494.4 SG3 17.8
 RRT .1103 RRF -.1077 RTF -.7600
 SGB 1293.4 R23 -.0069 R13 -.7603
 SG1 1196.7 SG2 490.8 TMA 3.14

ORBIT DETERMINATION ACCURACY
 ST 522.3 SR 428.0 SS 481.8
 CRT -.6792 CRS -.7566 CST .9928
 LSA 783.0 MSA 273.5 SSA 15.8
 EL1 621.5 EL2 264.0 ALF 143.22

LAUNCH DATE APR 30 1967

FLIGHT TIME 90.00

ARRIVAL DATE JUL 29 1967

DISTANCE 186.680

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 21.354 GAL 17.81 AZL 91.80 MCA 66.42 SMA 101.66 ECC .55169 INC 1.7969 V1 29.570
 RP 108.87 LAP -1.65 LOP 285.38 VP 33.652 GAP -33.26 AZP 90.72 TAL 164.14 TAP 230.56 RCA 45.57 APO 157.74 V2 34.807
 RC 61.839 GL -3.30 GP 3.20 ZAL 56.71 ZAP 20.07 ETS 191.06 ZAE 142.21 ETE 167.70 ZAC 136.83 ETC 27.04 CLP 19.82

PLANETOCENTRIC CONIC
 C3 122.918 VML 11.087 DLA 3.89 RAL 162.44 RAD 6570.3 VEL 15.629 PTH 2.78 VHP 19.761 DPA 24.58 RAP 128.95 ECC 3.0229
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 12 45 2768.15 -28.06 79.50 56.81 93.97 7 58 53 2168.2 -27.21 70.94
 90.00 20 8 37 5170.64 25.71 231.20 53.04 77.71 21 34 48 4570.6 23.76 223.07
 100.00 8 35 55 2499.91 -29.59 59.65 56.68 94.46 9 17 35 1899.9 -28.66 50.97
 100.00 21 28 8 4914.11 27.21 211.96 52.67 77.12 22 50 2 4314.1 25.16 203.76
 110.00 9 48 20 2273.25 -33.74 42.00 56.24 95.85 10 26 13 1673.2 -32.56 32.96
 110.00 22 32 12 4713.54 31.26 195.61 51.53 75.40 23 50 46 4113.5 28.94 187.17

DIFFERENTIAL CORRECTIONS
 TOE .8492 TRA-2.1219 TC3 -.1758 BAU .2928
 RDE -.8104 RRA -.4928 RC3 .0295 FAU .01353
 FDE -.4937 FRA .9586 FC3 -.0953 BSP 3678
 BDE 1.1758 BRA 2.1784 BC3 .1782 FSP -124

MID-COURSE EXECUTION ACCURACY
 SGT 1246.0 SGR 494.8 SG3 51.6
 RRT .1156 RRF -.1141 RTF -.7736
 SGB 1340.7 R23 -.0082 R13 -.7740
 SG1 1247.6 SG2 490.9 TMA 3.11

ORBIT DETERMINATION ACCURACY
 ST 549.1 SR 425.8 SS 504.5
 CRT -.6783 CRS -.7585 CST .9924
 LSA 813.2 MSA 275.2 SSA 15.9
 EL1 641.0 EL2 267.9 ALF 145.38

LAUNCH DATE APR 30 1967

FLIGHT TIME 92.00

ARRIVAL DATE JUL 31 1967

DISTANCE 193.003

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 21.782 GAL 17.06 AZL 91.93 MCA 69.58 SMA 103.11 ECC .52967 INC 1.9293 V1 29.570
 RP 108.89 LAP -1.81 LOP 288.54 VP 33.920 GAP -31.84 AZP 90.67 TAL 163.43 TAP 233.01 RCA 48.50 APO 157.73 V2 34.802
 RC 59.876 GL -3.79 GP 3.34 ZAL 55.91 ZAP 18.76 ETS 192.05 ZAE 143.19 ETE 166.36 ZAC 135.12 ETC 26.21 CLP 18.47

PLANETOCENTRIC CONIC
 C3 112.475 VML 10.605 DLA 3.12 RAL 163.02 RAD 6570.1 VEL 15.291 PTH 2.74 VHP 18.994 DPA 24.32 RAP 130.92 ECC 2.8510
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 20 48 2726.29 -27.83 76.46 55.61 95.47 8 6 15 2126.3 -26.78 67.95
 90.00 20 5 9 5176.80 25.80 231.63 52.62 77.91 21 31 26 4576.8 23.88 223.49
 100.00 8 43 36 2459.22 -29.34 56.65 55.44 96.02 9 24 35 1859.2 -28.19 48.03
 100.00 21 25 2 4919.10 27.28 212.32 52.26 77.29 22 47 1 4319.1 25.26 204.10
 110.00 9 55 11 2235.17 -33.44 39.07 54.87 97.56 10 32 26 1635.2 -32.03 30.12
 110.00 22 29 56 4715.92 31.30 195.78 51.15 75.50 23 48 32 4115.9 28.99 187.34

DIFFERENTIAL CORRECTIONS
 TOE .8522 TRA-2.1305 TC3 -.1821 BAU .2786
 RDE -.7690 RRA -.4776 RC3 .0338 FAU .01380
 FDE -.5158 FRA .9891 FC3 -.1062 BSP 3827
 BDE 1.1479 BRA 2.1834 BC3 .1853 FSP -135

MID-COURSE EXECUTION ACCURACY
 SGT 1300.0 SGR 494.5 SG3 55.6
 RRT .1228 RRF -.1214 RTF -.7861
 SGB 1390.9 R23 -.0090 R13 -.7864
 SG1 1301.7 SG2 490.2 TMA 3.12

ORBIT DETERMINATION ACCURACY
 ST 575.9 SR 422.7 SS 527.9
 CRT -.6758 CRS -.7599 CST .9918
 LSA 843.9 MSA 276.7 SSA 16.1
 EL1 660.7 EL2 271.5 ALF 147.47

LAUNCH DATE APR 30 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 2 1967

HELIOCENTRIC CONIC

DISTANCE 199.384

RL 150.68 LAL .00 LOL 218.97 VL 22.184 GAL 16.34 AZL 92.06 MCA 72.74 SMA 104.55 ECC .50838 INC 2.0564 V1 29.570
 RP 108.90 LAP -1.96 LOP 291.71 VP 34.175 GAP -30.47 AZP 90.61 TAL 162.74 TAP 235.48 RCA 51.40 APO 157.70 V2 34.797
 RC 57.979 GL -4.32 GP 3.49 ZAL 55.16 ZAP 17.46 ETS 193.24 ZAE 144.26 ETE 164.86 ZAC 133.40 ETC 25.44 CLP 17.12

PLANETOCENTRIC CONIC

C3 102.946 VML 10.146 DLA 2.34 RAL 163.53 RAD 6570.0 VEL 14.976 PTH 2.70 VMP 18.251 DPA 24.04 RAP 132.90 ECC 2.6942
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 28 41 2683.53 -27.51 73.37 54.32 96.99 8 13 25 2083.5 -26.26 64.93
 90.00 20 1 22 5182.71 25.89 232.04 52.11 78.10 21 27 45 4582.7 23.99 223.89
 100.00 8 51 7 2417.64 -29.00 53.61 54.10 97.59 9 31 24 1817.6 -27.65 45.06
 100.00 21 21 37 4923.83 27.36 212.65 51.76 77.45 22 43 41 4323.8 25.35 204.42
 110.00 10 1 51 2196.23 -33.05 36.10 53.40 99.28 10 38 28 1596.2 -31.41 27.25
 110.00 22 27 22 4718.01 31.33 195.93 50.66 75.58 23 46 0 4118.0 29.04 187.48

DIFFERENTIAL CORRECTIONS

TDE .8573 TRA-2.1351 TC3 -.1870 BAU .2629
 RDE -.7282 RRA -.4623 RC3 .0387 FAU .01411
 FDE -.5395 FRA 1.0201 FC3 -.1187 BSP 4042
 BDE 1.1248 BRA 2.1846 BC3 .1910 FSP -147

MID-COURSE EXECUTION ACCURACY

SGT 1354.4 SGR 493.5 SG3 60.1
 RRT .1293 RRF -.1291 RTF -.7984
 SGB 1441.5 R23 -.0105 R13 -.7988
 SGI 1356.2 SG2 488.7 THA 3.10

ORBIT DETERMINATION ACCURACY

ST 604.6 SR 418.6 SS 552.5
 CRT -.6745 CRS -.7615 CST .9913
 LSA 876.9 MSA 277.2 SSA 16.2
 EL1 682.5 EL2 273.8 ALF 149.56

LAUNCH DATE APR 30 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 4 1967

HELIOCENTRIC CONIC

DISTANCE 205.818

RL 150.68 LAL .00 LOL 218.97 VL 22.561 GAL 15.65 AZL 92.18 MCA 75.90 SMA 105.96 ECC .48783 INC 2.1792 V1 29.570
 RP 108.92 LAP -2.11 LOP 294.87 VP 34.417 GAP -29.16 AZP 90.53 TAL 162.08 TAP 237.98 RCA 54.27 APO 157.65 V2 34.793
 RC 56.154 GL -4.88 GP 3.65 ZAL 54.47 ZAP 16.19 ETS 194.67 ZAE 145.44 ETE 163.16 ZAC 131.66 ETC 24.72 CLP 15.78

PLANETOCENTRIC CONIC

C3 94.256 VML 9.709 DLA 1.54 RAL 163.98 RAD 6569.8 VEL 14.683 PTH 2.66 VMP 17.530 DPA 23.75 RAP 134.87 ECC 2.5512
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 36 24 2639.85 -27.11 70.24 52.94 98.51 8 20 24 2039.8 -25.65 61.88
 90.00 19 57 15 5188.50 25.97 232.45 51.51 78.29 21 23 43 4588.5 24.09 224.28
 100.00 8 58 28 2375.16 -28.58 50.52 52.68 99.16 9 38 3 1775.2 -27.02 42.06
 100.00 21 17 52 4928.42 27.42 212.97 51.16 77.61 22 40 1 4328.4 25.44 204.73
 110.00 10 8 21 2156.41 -32.57 33.09 51.86 101.00 10 44 18 1556.4 -30.71 24.36
 110.00 22 24 29 4719.93 31.37 196.07 50.09 75.66 23 43 8 4119.9 29.08 187.62

DIFFERENTIAL CORRECTIONS

TDE .8623 TRA-2.1381 TC3 -.1910 BAU .2471
 RDE -.6880 RRA -.4470 RC3 .0441 FAU .01447
 FDE -.5644 FRA 1.0521 FC3 -.1329 BSP 4259
 BDE 1.1031 BRA 2.1843 BC3 .1961 FSP -161

MID-COURSE EXECUTION ACCURACY

SGT 1410.6 SGR 491.8 SG3 64.8
 RRT .1365 RRF -.1375 RTF -.8103
 SGB 1493.9 R23 -.0121 R13 -.8106
 SGI 1412.4 SG2 486.6 THA 3.09

ORBIT DETERMINATION ACCURACY

ST 634.4 SR 413.7 SS 578.2
 CRT -.6732 CRS -.7629 CST .9909
 LSA 911.5 MSA 277.1 SSA 16.3
 EL1 705.7 EL2 275.0 ALF 151.61

LAUNCH DATE APR 30 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 6 1967

HELIOCENTRIC CONIC

DISTANCE 212.299

RL 150.68 LAL .00 LOL 218.97 VL 22.915 GAL 14.99 AZL 92.30 MCA 79.06 SMA 107.34 ECC .46805 INC 2.2986 V1 29.570
 RP 108.93 LAP -2.26 LOP 298.03 VP 34.647 GAP -27.90 AZP 90.44 TAL 161.44 TAP 240.50 RCA 57.10 APO 157.58 V2 34.790
 RC 54.407 GL -5.48 GP 3.82 ZAL 53.84 ZAP 14.93 ETS 196.41 ZAE 146.71 ETE 161.23 ZAC 129.91 ETC 24.05 CLP 14.45

PLANETOCENTRIC CONIC

C3 86.335 VML 9.292 DLA .73 RAL 164.37 RAD 6569.7 VEL 14.411 PTH 2.62 VMP 16.832 DPA 23.46 RAP 136.84 ECC 2.4209
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 43 59 2595.23 -26.62 67.07 51.48 100.03 8 27 15 1995.2 -24.96 58.79
 90.00 19 52 46 5194.31 26.05 232.85 50.82 78.48 21 19 20 4594.3 24.20 224.67
 100.00 9 5 40 2331.76 -28.07 47.39 51.18 100.73 9 44 32 1731.8 -26.30 39.04
 100.00 21 13 46 4933.01 27.49 213.30 50.48 77.77 22 35 59 4333.0 25.53 205.05
 110.00 10 14 41 2115.73 -32.00 30.05 50.24 102.72 10 49 57 1515.7 -29.92 21.46
 110.00 22 21 15 4721.81 31.40 196.21 49.42 75.73 23 39 56 4121.8 29.12 187.75

DIFFERENTIAL CORRECTIONS

TDE .8671 TRA-2.1392 TC3 -.1940 BAU .2312
 RDE -.6485 RRA -.4317 RC3 .0502 FAU .01485
 FDE -.5910 FRA 1.0852 FC3 -.1489 BSP 4484
 BDE 1.0828 BRA 2.1823 BC3 .2003 FSP -176

MID-COURSE EXECUTION ACCURACY

SGT 1468.4 SGR 489.4 SG3 70.0
 RRT .1444 RRF -.1469 RTF -.8215
 SGB 1547.8 R23 -.0139 R13 -.8219
 SGI 1470.3 SG2 483.6 THA 3.09

ORBIT DETERMINATION ACCURACY

ST 665.3 SR 407.8 SS 605.2
 CRT -.6717 CRS -.7641 CST .9904
 LSA 947.9 MSA 276.2 SSA 16.4
 EL1 730.2 EL2 275.3 ALF 153.59

LAUNCH DATE APR 30 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 8 1967

HELIOCENTRIC CONIC

DISTANCE 218.824

RL 150.68 LAL .00 LOL 218.97 VL 23.247 GAL 14.36 AZL 92.42 MCA 82.22 SMA 108.69 ECC .44902 INC 2.4154 V1 29.570
 RP 108.93 LAP -2.39 LOP 301.19 VP 34.865 GAP -26.68 AZP 90.33 TAL 160.84 TAP 243.06 RCA 59.88 APO 157.49 V2 34.787
 RC 52.748 GL -6.13 GP 4.02 ZAL 53.27 ZAP 13.70 ETS 198.55 ZAE 148.07 ETE 159.02 ZAC 128.15 ETC 23.43 CLP 13.11

PLANETOCENTRIC CONIC

C3 79.119 VML 8.895 DLA -.11 RAL 164.70 RAD 6569.5 VEL 14.159 PTH 2.58 VMP 16.155 DPA 23.16 RAP 138.81 ECC 2.3021
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 51 27 2549.65 -26.04 63.86 49.95 101.54 8 33 56 1949.7 -24.18 55.68
 90.00 19 47 54 5200.28 26.13 233.27 50.04 78.67 21 14 34 4600.3 24.30 225.08
 100.00 9 12 44 2287.43 -27.47 44.24 49.61 102.29 9 50 52 1687.4 -25.50 35.99
 100.00 21 9 18 4937.74 27.56 213.63 49.71 77.93 22 31 35 4337.7 25.62 205.37
 110.00 10 20 52 2074.17 -31.34 26.99 48.56 104.41 10 55 26 1474.2 -29.04 18.54
 110.00 22 17 39 4723.76 31.43 196.35 48.67 75.81 23 36 23 4123.8 29.16 187.88

DIFFERENTIAL CORRECTIONS

TDE .8691 TRA-2.1415 TC3 -.1971 BAU .2170
 RDE -.6096 RRA -.4167 RC3 .0569 FAU .01526
 FDE -.6188 FRA 1.1200 FC3 -.1669 BSP 4644
 BDE 1.0615 BRA 2.1817 BC3 .2051 FSP -191

MID-COURSE EXECUTION ACCURACY

SGT 1529.4 SGR 486.3 SG3 75.7
 RRT .1546 RRF -.1577 RTF -.8315
 SGB 1604.9 R23 -.0154 R13 -.8319
 SGI 1531.5 SG2 479.8 THA 3.12

ORBIT DETERMINATION ACCURACY

ST 696.2 SR 400.8 SS 633.2
 CRT -.6683 CRS -.7647 CST .9897
 LSA 985.0 MSA 275.3 SSA 16.5
 EL1 754.8 EL2 275.0 ALF 155.49

LAUNCH DATE APR 30 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 10 1967

HELIOCENTRIC CONIC

DISTANCE 225.387

RL 150.68 LAL .00 LOL 218.97 VL 23.558 GAL 13.75 AZL 92.53 MCA 85.38 SMA 110.00 ECC .43077 INC 2.5305 V1 29.570
 RP 108.94 LAP -2.52 LOP 304.35 VP 35.071 GAP -25.51 AZP 90.20 TAL 160.26 TAP 245.65 RCA 62.61 APO 157.38 V2 34.786
 RC 51.183 GL -6.81 GP 4.23 ZAL 52.76 ZAP 12.50 ETS 201.19 ZAE 149.51 ETE 156.47 ZAC 126.38 ETC 22.85 CLP 11.78

PLANETOCENTRIC CONIC

C3 72.549 VHL 8.518 DLA -.96 RAL 164.96 RAD 6569.4 VEL 13.925 PTH 2.54 VHP 15.500 DPA 22.86 RAP 140.78 ECC 2.1940
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 58 48 2503.11 -25.36 60.61 48.35 103.03 8 40 31 1903.1 -23.32 52.54
 90.00 19 42 37 5206.58 26.21 233.71 49.19 78.88 21 9 23 4606.6 24.41 225.51
 100.00 9 19 42 2242.16 -26.77 41.05 47.98 103.82 9 57 4 1642.2 -24.60 32.92
 100.00 21 4 24 4942.77 27.63 213.99 48.86 78.11 22 26 47 4342.8 25.71 205.71
 110.00 10 26 55 2031.74 -30.58 23.92 46.82 106.09 11 0 47 1431.7 -28.07 15.62
 110.00 22 13 40 4725.95 31.47 196.51 47.84 75.90 23 32 26 4126.0 29.21 188.04

DIFFERENTIAL CORRECTIONS

TOE .8737 TRA-2.1392 TC3 -.1974 BAU .2014
 RDE -.5713 RRA -.4019 RC3 .0643 FAU .01572
 FDE -.6490 FRA 1.1558 FC3 -.1876 BSP 4870
 BOE 1.0439 BRA 2.1766 BC3 .2077 FSP -209

MID-COURSE EXECUTION ACCURACY

SGT 1590.5 SGR 482.5 SG3 81.8
 RRT .1647 RRF -.1696 RTF -.8417
 SGB 1662.1 R23 -.0176 R13 -.8421
 SGI 1592.7 SG2 475.3 TMA 3.14

ORBIT DETERMINATION ACCURACY

ST 729.3 SR 392.8 SS 663.0
 CRT -.6663 CRS -.7653 CST .9893
 LSA 1025.1 MSA 273.2 SSA 16.6
 EL1 782.0 EL2 273.2 ALF 157.35

LAUNCH DATE APR 30 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 231.985

RL 150.68 LAL .00 LOL 218.97 VL 23.850 GAL 13.17 AZL 92.64 MCA 88.54 SMA 111.27 ECC .41328 INC 2.6446 V1 29.570
 RP 108.94 LAP -2.64 LOP 307.52 VP 35.267 GAP -24.38 AZP 90.07 TAL 159.72 TAP 248.26 RCA 65.29 APO 157.26 V2 34.784
 RC 49.723 GL -7.55 GP 4.46 ZAL 52.32 ZAP 11.34 ETS 204.52 ZAE 151.01 ETE 153.50 ZAC 124.60 ETC 22.31 CLP 10.44

PLANETOCENTRIC CONIC

C3 66.573 VHL 8.159 DLA -1.84 RAL 165.15 RAD 6569.3 VEL 13.709 PTH 2.50 VHP 14.864 DPA 22.56 RAP 142.74 ECC 2.0956
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 6 4 2455.58 -24.59 57.35 46.71 104.50 8 46 59 1855.6 -22.36 49.39
 90.00 19 36 53 5213.41 26.30 234.19 48.26 79.11 21 3 46 4613.4 24.53 225.97
 100.00 9 26 33 2195.94 -25.98 37.85 46.30 105.33 10 3 9 1595.9 -23.62 29.84
 100.00 20 59 4 4948.28 27.70 214.38 47.94 78.30 22 21 33 4348.3 25.81 206.09
 110.00 10 32 50 1988.45 -29.72 20.84 45.04 107.72 11 5 59 1388.4 -27.01 12.70
 110.00 22 9 17 4728.53 31.51 196.70 46.94 76.00 23 28 5 4128.5 29.26 188.22

DIFFERENTIAL CORRECTIONS

TOE .8784 TRA-2.1347 TC3 -.1960 BAU .1860
 RDE -.5336 RRA -.3875 RC3 .0726 FAU .01624
 FDE -.6815 FRA 1.1931 FC3 -.2112 BSP 5100
 BOE 1.0278 BRA 2.1696 BC3 .2090 FSP -229

MID-COURSE EXECUTION ACCURACY

SGT 1652.9 SGR 478.1 SG3 88.6
 RRT .1764 RRF -.1831 RTF -.8513
 SGB 1720.7 R23 -.0201 R13 -.8517
 SGI 1655.3 SG2 469.9 TMA 3.18

ORBIT DETERMINATION ACCURACY

ST 763.5 SR 383.5 SS 694.4
 CRT -.6639 CRS -.7655 CST .9888
 LSA 1067.2 MSA 270.4 SSA 16.7
 EL1 810.6 EL2 270.2 ALF 159.13

LAUNCH DATE APR 30 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 238.613

RL 150.68 LAL .00 LOL 218.97 VL 24.124 GAL 12.61 AZL 92.76 MCA 91.70 SMA 112.51 ECC .39656 INC 2.7583 V1 29.570
 RP 108.94 LAP -2.76 LOP 310.68 VP 35.452 GAP -23.30 AZP 89.92 TAL 159.21 TAP 250.91 RCA 67.89 APO 157.13 V2 34.784
 RC 48.377 GL -8.33 GP 4.72 ZAL 51.94 ZAP 10.23 ETS 208.74 ZAE 152.56 ETE 150.04 ZAC 122.81 ETC 21.81 CLP 9.09

PLANETOCENTRIC CONIC

C3 61.143 VHL 7.819 DLA -2.74 RAL 165.27 RAD 6569.1 VEL 13.509 PTH 2.47 VHP 14.249 DPA 22.27 RAP 144.69 ECC 2.0063
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 13 16 2407.05 -23.73 54.05 45.02 105.93 8 53 23 1807.0 -21.31 46.21
 90.00 19 30 39 5220.95 26.40 234.73 47.26 79.36 20 57 40 4621.0 24.66 226.49
 100.00 9 33 20 2148.77 -25.09 34.62 44.58 106.81 10 9 9 1548.8 -22.55 26.75
 100.00 20 53 17 4954.46 27.79 214.82 46.95 78.52 22 15 51 4354.5 25.92 206.52
 110.00 10 38 39 1944.31 -28.76 17.76 43.24 109.32 11 11 3 1344.3 -25.86 9.78
 110.00 22 4 27 4731.69 31.56 196.93 45.98 76.13 23 23 19 4131.7 29.33 188.44

DIFFERENTIAL CORRECTIONS

TOE .8834 TRA-2.1283 TC3 -.1927 BAU .1711
 RDE -.4966 RRA -.3737 RC3 .0816 FAU .01681
 FDE -.7168 FRA 1.2321 FC3 -.2380 BSP 5335
 BOE 1.0134 BRA 2.1609 BC3 .2093 FSP -250

MID-COURSE EXECUTION ACCURACY

SGT 1716.8 SGR 473.1 SG3 95.9
 RRT .1897 RRF -.1985 RTF -.8604
 SGB 1780.8 R23 -.0229 R13 -.8608
 SGI 1719.3 SG2 463.8 TMA 3.23

ORBIT DETERMINATION ACCURACY

ST 799.0 SR 373.0 SS 727.8
 CRT -.6610 CRS -.7652 CST .9883
 LSA 1111.7 MSA 266.9 SSA 16.8
 EL1 840.7 EL2 266.0 ALF 160.86

LAUNCH DATE APR 30 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 245.267

RL 150.68 LAL .00 LOL 218.97 VL 24.379 GAL 12.07 AZL 92.87 MCA 94.86 SMA 113.71 ECC .38060 INC 2.8724 V1 29.570
 RP 108.94 LAP -2.86 LOP 313.84 VP 35.627 GAP -22.25 AZP 89.76 TAL 158.74 TAP 253.60 RCA 70.43 APO 156.98 V2 34.784
 RC 47.155 GL -9.17 GP 5.00 ZAL 51.64 ZAP 9.21 ETS 214.12 ZAE 154.11 ETE 145.97 ZAC 121.02 ETC 21.34 CLP 7.74

PLANETOCENTRIC CONIC

C3 56.216 VHL 7.498 DLA -3.67 RAL 165.32 RAD 6569.0 VEL 13.326 PTH 2.44 VHP 13.653 DPA 21.99 RAP 146.63 ECC 1.9252
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 20 26 2357.49 -22.76 50.74 43.30 107.32 8 59 44 1757.5 -20.18 43.02
 90.00 19 23 54 5229.45 26.50 235.33 46.20 79.64 20 51 4 4629.4 24.80 227.07
 100.00 9 40 4 2100.64 -24.10 31.39 42.83 108.24 10 15 4 1500.6 -21.38 23.64
 100.00 20 46 58 4961.54 27.88 215.33 45.91 78.77 22 9 39 4361.5 26.05 207.01
 110.00 10 44 22 1899.32 -27.71 14.68 41.41 110.86 11 16 1 1299.3 -24.62 6.88
 110.00 21 59 9 4735.62 31.62 197.22 44.95 76.29 23 18 5 4135.6 29.42 188.71

DIFFERENTIAL CORRECTIONS

TOE .8886 TRA-2.1201 TC3 -.1871 BAU .1565
 RDE -.4600 RRA -.3606 RC3 .0916 FAU .01743
 FDE -.7550 FRA 1.2731 FC3 -.2684 BSP 5568
 BOE 1.0006 BRA 2.1505 BC3 .2083 FSP -273

MID-COURSE EXECUTION ACCURACY

SGT 1781.9 SGR 467.6 SG3 103.9
 RRT .2052 RRF -.2163 RTF -.8690
 SGB 1842.3 R23 -.0260 R13 -.8694
 SGI 1784.7 SG2 457.0 TMA 3.30

ORBIT DETERMINATION ACCURACY

ST 835.7 SR 361.2 SS 763.2
 CRT -.6573 CRS -.7641 CST .9879
 LSA 1158.4 MSA 262.9 SSA 16.9
 EL1 872.2 EL2 260.8 ALF 162.53

LAUNCH DATE APR 30 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 24.619 GAL 11.56 AZL 92.99 HCA 98.02 SMA 114.86 ECC .36539 INC 2.9876 V1 29.570
 RP 108.94 LAP -2.96 LOP 317.01 VP 35.792 GAP -21.24 AZP 89.58 TAL 158.30 TAP 256.32 RCA 72.89 APO 156.83 V2 34.785
 RC 46.068 GL -10.06 GP 5.32 ZAL 51.40 ZAP 8.30 ETS 221.01 ZAE 155.63 ETE 141.19 ZAC 119.23 ETC 20.90 CLP 6.38

PLANETOCENTRIC CONIC
 C3 51.750 VML 7.194 OLA -4.64 RAL 165.30 RAD 6568.9 VEL 13.157 PTH 2.40 VMP 13.076 OPA 21.72 RAP 148.57 ECC 1.8517
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 27 36 2306.89 -21.70 47.42 41.56 108.66 9 6 3 1706.9 -18.95 39.82
 90.00 19 16 35 5239.13 26.62 236.01 45.09 79.96 20 43 54 4639.1 24.96 227.73
 100.00 9 46 46 2051.52 -23.02 28.14 41.06 109.62 10 20 58 1451.5 -20.13 20.53
 100.00 20 40 6 4969.74 27.99 215.91 44.81 79.06 22 2 56 4369.7 26.20 207.57
 110.00 10 50 1 1853.51 -26.56 11.62 39.56 112.35 11 20 55 1253.5 -23.30 3.98
 110.00 21 53 21 4740.52 31.70 197.58 43.88 76.49 23 12 21 4140.5 29.52 189.05

DIFFERENTIAL CORRECTIONS
 TDE .8946 TRA-2.1094 TC3 -.1788 BAU .1426 SGT 1848.0 SGR 461.8 SG3 112.6 ST 873.7 SR 347.9 SS 800.9
 RDE -.4240 RRA -.3482 RC3 .1025 FAU .01811 RRT .2232 RRF -.2369 RTF -.8771 CRT -.6528 CRS -.7621 CST .9875
 FDE -.7969 FRA 1.3161 FC3 -.3030 BSP 5806 SGB 1904.8 R23 -.0296 R13 -.8777 LSA 1207.9 MSA 258.3 SSA 16.9
 BDE .9900 BRA 2.1380 BC3 .2061 FSP -299 SG1 1851.0 SG2 449.4 THA 3.39 EL1 905.4 EL2 254.3 ALF 164.15

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 30 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 24.843 GAL 11.07 AZL 93.10 HCA 101.18 SMA 115.97 ECC .35091 INC 3.1046 V1 29.570
 RP 108.93 LAP -3.05 LOP 320.17 VP 35.948 GAP -20.26 AZP 89.40 TAL 157.90 TAP 259.08 RCA 75.28 APO 156.67 V2 34.787
 RC 45.125 GL -11.02 GP 5.67 ZAL 51.24 ZAP 7.55 ETS 229.71 ZAE 157.05 ETE 135.57 ZAC 117.43 ETC 20.50 CLP 5.00

PLANETOCENTRIC CONIC
 C3 47.711 VML 6.907 OLA -5.64 RAL 165.21 RAD 6568.8 VEL 13.003 PTH 2.37 VMP 12.518 OPA 21.47 RAP 150.50 ECC 1.7852
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 34 48 2255.21 -20.53 44.07 39.80 109.94 9 12 24 1655.2 -17.63 36.60
 90.00 19 8 39 5250.27 26.75 236.80 43.94 80.34 20 36 9 4650.3 25.14 228.50
 100.00 9 53 29 2001.41 -21.83 24.89 39.28 110.94 10 26 50 1401.4 -18.79 17.42
 100.00 20 32 39 4979.31 28.11 216.60 43.66 79.40 21 55 38 4379.3 26.36 208.23
 110.00 10 55 37 1806.86 -25.32 8.56 37.72 113.77 11 25 44 1206.9 -21.89 1.09
 110.00 21 47 0 4746.63 31.80 198.03 42.76 76.74 23 6 7 4146.6 29.65 189.48

DIFFERENTIAL CORRECTIONS
 TDE .9012 TRA-2.0969 TC3 -.1677 BAU .1295 SGT 1915.0 SGR 455.7 SG3 122.2 ST 913.1 SR 333.0 SS 841.2
 RDE -.3884 RRA -.3368 RC3 .1145 FAU .01886 RRT .2443 RRF -.2609 RTF -.8848 CRT -.6468 CRS -.7587 CST .9871
 FDE -.8429 FRA 1.3613 FC3 -.3423 BSP 6049 SGB 1968.5 R23 -.0336 R13 -.8854 LSA 1260.1 MSA 253.1 SSA 16.9
 BDE .9813 BRA 2.1237 BC3 .2031 FSP -328 SG1 1918.4 SG2 441.1 THA 3.51 EL1 940.1 EL2 246.7 ALF 165.72

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 30 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 25.052 GAL 10.60 AZL 93.22 HCA 104.34 SMA 117.04 ECC .33716 INC 3.2242 V1 29.570
 RP 108.93 LAP -3.12 LOP 323.34 VP 36.095 GAP -19.31 AZP 89.20 TAL 157.53 TAP 261.87 RCA 77.58 APO 156.50 V2 34.790
 RC 44.335 GL -12.04 GP 6.06 ZAL 51.16 ZAP 7.05 ETS 240.30 ZAE 158.30 ETE 129.04 ZAC 115.64 ETC 20.11 CLP 3.61

PLANETOCENTRIC CONIC
 C3 44.064 VML 6.638 OLA -6.68 RAL 165.04 RAD 6568.7 VEL 12.862 PTH 2.34 VMP 11.978 OPA 21.25 RAP 152.43 ECC 1.7252
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 42 4 2202.41 -19.27 40.71 38.04 111.16 9 18 47 1602.4 -16.23 33.36
 90.00 19 0 1 5263.16 26.89 237.72 42.75 80.78 20 27 45 4663.2 25.34 229.39
 100.00 10 0 14 1950.26 -20.55 21.63 37.50 112.20 10 32 44 1350.3 -17.36 14.29
 100.00 20 24 33 4990.54 28.25 217.40 42.48 79.80 21 47 43 4390.5 26.55 209.01
 110.00 11 1 12 1759.38 -23.98 5.52 35.88 115.12 11 30 31 1159.4 -20.39 358.21
 110.00 21 40 4 4754.18 31.92 198.59 41.62 77.05 22 59 18 4154.2 29.81 190.02

DIFFERENTIAL CORRECTIONS
 TDE .9087 TRA-2.0822 TC3 -.1536 BAU .1176 SGT 1982.7 SGR 449.5 SG3 132.7 ST 953.9 SR 316.4 SS 884.4
 RDE -.3530 RRA -.3265 RC3 .1275 FAU .01969 RRT .2692 RRF -.2889 RTF -.8921 CRT -.6388 CRS -.7533 CST .9868
 FDE -.8937 FRA 1.4093 FC3 -.3868 BSP 6284 SGB 2035.0 R23 -.0382 R13 -.8927 LSA 1315.6 MSA 247.4 SSA 16.9
 BDE .9749 BRA 2.1076 BC3 .1996 FSP -359 SG1 1986.5 SG2 432.1 THA 3.67 EL1 976.5 EL2 237.8 ALF 167.27

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 30 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 25.247 GAL 10.15 AZL 93.35 HCA 107.50 SMA 118.06 ECC .32411 INC 3.3472 V1 29.570
 RP 108.92 LAP -3.19 LOP 326.50 VP 36.234 GAP -18.40 AZP 88.99 TAL 157.21 TAP 264.70 RCA 79.80 APO 156.33 V2 34.793
 RC 43.707 GL -13.13 GP 6.50 ZAL 51.16 ZAP 6.86 ETS 252.33 ZAE 159.29 ETE 121.59 ZAC 113.85 ETC 19.76 CLP 2.20

PLANETOCENTRIC CONIC
 C3 40.780 VML 6.386 OLA -7.76 RAL 164.79 RAD 6568.6 VEL 12.734 PTH 2.31 VMP 11.457 OPA 21.07 RAP 154.34 ECC 1.6711
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 49 28 2148.41 -17.91 37.34 36.29 112.31 9 25 16 1548.4 -14.73 30.10
 90.00 18 50 40 5278.10 27.05 238.78 41.53 81.29 20 18 38 4678.1 25.57 230.43
 100.00 10 7 4 1898.05 -19.18 18.36 35.73 113.38 10 38 42 1298.0 -15.85 11.15
 100.00 20 15 45 5003.70 28.41 218.35 41.28 80.28 21 39 8 4403.7 26.77 209.93
 110.00 11 6 47 1711.06 -22.55 2.50 34.06 116.40 11 35 18 1111.1 -18.82 355.35
 110.00 21 32 31 4763.45 32.06 199.28 40.45 77.44 22 51 54 4163.4 29.99 190.67

DIFFERENTIAL CORRECTIONS
 TDE .9175 TRA-2.0654 TC3 -.1363 BAU .1072 SGT 2050.8 SGR 443.6 SG3 144.2 ST 996.2 SR 297.9 SS 930.7
 RDE -.3178 RRA -.3175 RC3 .1418 FAU .02059 RRT .2985 RRF -.3217 RTF -.8989 CRT -.6278 CRS -.7451 CST .9865
 FDE -.9500 FRA 1.4600 FC3 -.4371 BSP 6525 SGB 2098.2 R23 -.0435 R13 -.8996 LSA 1374.4 MSA 241.4 SSA 16.9
 BDE .9709 BRA 2.0897 BC3 .1967 FSP -393 SG1 2055.2 SG2 422.4 THA 3.86 EL1 1014.6 EL2 227.7 ALF 168.79

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 30 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 25.429 GAL 9.73 AZL 93.47 HCA 110.66 SMA 119.04 ECC .31176 INC 3.4747 V1 29.570
 RP 108.90 LAP -3.25 LOP 329.67 VP 36.364 GAP -17.52 AZP 88.77 TAL 156.91 TAP 267.57 RCA 81.93 APO 156.15 V2 34.797
 RC 43.245 GL -14.30 GP 6.99 ZAL 51.24 ZAP 7.03 ETS 264.72 ZAE 159.93 ETE 113.38 ZAC 112.07 ETC 19.42 CLP .76

PLANETOCENTRIC CONIC
 C3 37.831 VHL 6.151 DLA -R.89 RAL 164.47 RAD 6568.5 VEL 12.617 PTH 2.29 VHP 10.953 OPA 20.93 RAP 156.25 ECC 1.6226
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 57 1 2093.14 -16.45 33.94 34.56 113.38 9 31 54 1493.1 -13.15 26.82
 90.00 18 40 30 5295.45 27.22 240.02 40.29 81.89 20 8 45 4695.4 25.82 231.64
 100.00 10 14 2 1844.69 -17.70 15.09 33.98 114.49 10 44 47 1244.7 -14.25 8.00
 100.00 20 6 10 5019.13 28.58 219.47 40.06 80.84 21 29 49 4419.1 27.02 211.01
 110.00 11 12 25 1661.89 -21.03 359.49 32.25 117.59 11 40 7 1061.9 -17.17 352.49
 110.00 21 24 16 4774.70 32.22 200.12 39.27 77.91 22 43 51 4174.7 30.22 191.47

DIFFERENTIAL CORRECTIONS
 TDE .9281 TRA-2.0460 TC3 -.1150 BAU .0986
 RDE -.2825 RRA -.3100 RC3 .1573 FAU .02159
 FDE-1.0130 FRA 1.5137 FC3 -.4940 BSP 6754
 BDE .9701 BRA 2.0694 BC3 .1949 FSP -431

MID-COURSE EXECUTION ACCURACY
 SGT 2118.7 SGR 438.3 SG3 156.9
 RRT .3328 RRF -.3600 RTF -.9054
 SGB 2163.6 R23 -.0496 R13 -.9062
 SGI 2123.9 SG2 412.3 THA 4.09

ORBIT DETERMINATION ACCURACY
 ST 1040.4 SR 277.4 SS 980.7
 CRT -.6124 CRS -.7326 CST .9864
 LSA 1437.3 MSA 234.9 SSA 16.8
 EL1 1054.8 EL2 216.3 ALF 170.31

LAUNCH DATE APR 30 1967

FLIGHT TIME 120.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 25.598 GAL 9.32 AZL 93.61 HCA 113.82 SMA 119.97 ECC .30008 INC 3.6075 V1 29.570
 RP 108.89 LAP -3.30 LOP 332.84 VP 36.487 GAP -16.66 AZP 88.54 TAL 156.66 TAP 270.48 RCA 83.97 APO 155.97 V2 34.801
 RC 42.956 GL -15.54 GP 7.55 ZAL 51.41 ZAP 7.58 ETS 276.18 ZAE 160.14 ETE 104.70 ZAC 110.30 ETC 19.11 CLP -.70

PLANETOCENTRIC CONIC
 C3 35.193 VHL 5.932 DLA -10.06 RAL 164.06 RAD 6568.4 VEL 12.513 PTH 2.27 VHP 10.466 OPA 20.84 RAP 158.14 ECC 1.5792
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 4 50 2036.48 -14.89 30.51 32.85 114.37 9 38 46 1436.5 -11.47 23.49
 90.00 18 29 25 5315.59 27.41 241.47 39.04 82.59 19 58 1 4715.6 26.10 233.04
 100.00 10 21 11 1790.11 -16.13 11.79 32.25 115.51 10 51 2 1190.1 -12.57 4.82
 100.00 19 55 44 5037.19 28.77 220.78 38.83 81.50 21 19 42 4437.2 27.29 212.28
 110.00 11 18 7 1611.83 -19.42 356.50 30.48 118.70 11 44 59 1011.8 -15.44 349.64
 110.00 21 15 18 4788.24 32.41 201.13 38.08 78.48 22 35 6 4188.2 30.48 192.44

DIFFERENTIAL CORRECTIONS
 TDE .9413 TRA-2.0159 TC3 -.0877 BAU .0917
 RDE -.2468 RRA -.3044 RC3 .1741 FAU .02268
 FDE-1.0837 FRA 1.5706 FC3 -.5578 BSP 7040
 BDE .9731 BRA 2.0388 BC3 .1949 FSP -473

MID-COURSE EXECUTION ACCURACY
 SGT 2178.9 SGR 434.3 SG3 170.8
 RRT .3724 RRF -.4046 RTF -.9123
 SGB 2221.8 R23 -.0570 R13 -.9132
 SGI 2185.1 SG2 401.9 THA 4.39

ORBIT DETERMINATION ACCURACY
 ST 1085.5 SR 254.7 SS 1034.8
 CRT -.5915 CRS -.7134 CST .9867
 LSA 1504.0 MSA 227.0 SSA 16.7
 EL1 1096.3 EL2 203.3 ALF 171.82

LAUNCH DATE APR 30 1967

FLIGHT TIME 122.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 25.756 GAL 8.93 AZL 93.75 HCA 116.98 SMA 120.85 ECC .28907 INC 3.7471 V1 29.570
 RP 108.87 LAP -3.34 LOP 336.01 VP 36.603 GAP -15.84 AZP 88.30 TAL 156.44 TAP 273.43 RCA 85.92 APO 155.79 V2 34.806
 RC 42.841 GL -16.87 GP 8.18 ZAL 51.68 ZAP 8.46 ETS 285.84 ZAE 159.89 ETE 96.01 ZAC 108.53 ETC 18.81 CLP -2.20

PLANETOCENTRIC CONIC
 C3 32.845 VHL 5.731 DLA -11.30 RAL 163.56 RAD 6568.3 VEL 12.418 PTH 2.24 VHP 9.997 OPA 20.82 RAP 160.04 ECC 1.5405
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 12 57 1978.25 -13.22 27.04 31.18 115.27 9 45 56 1378.3 -9.71 20.13
 90.00 18 17 21 5338.97 27.60 243.15 37.80 83.41 19 46 20 4739.0 26.40 234.69
 100.00 10 28 36 1734.18 -14.46 8.48 30.56 116.45 10 57 31 1134.2 -10.80 1.61
 100.00 19 44 23 5058.28 28.97 222.31 37.60 82.29 21 8 41 4458.3 27.60 213.78
 110.00 11 23 58 1560.81 -17.73 353.51 28.75 119.72 11 49 59 960.8 -13.64 346.79
 110.00 21 5 31 4804.41 32.62 202.34 36.91 79.17 22 25 35 4204.4 30.78 193.60

DIFFERENTIAL CORRECTIONS
 TDE .9546 TRA-2.0012 TC3 -.0613 BAU .0887
 RDE -.2103 RRA -.3004 RC3 .1924 FAU .02386
 FDE-1.1631 FRA 1.6314 FC3 -.6288 BSP 7256
 BDE .9775 BRA 2.0236 BC3 .2019 FSP -519

MID-COURSE EXECUTION ACCURACY
 SGT 2253.5 SGR 432.0 SG3 186.1
 RRT .4199 RRF -.4556 RTF -.9174
 SGB 2294.5 R23 -.0644 R13 -.9185
 SGI 2261.0 SG2 390.8 THA 4.74

ORBIT DETERMINATION ACCURACY
 ST 1133.7 SR 229.5 SS 1093.1
 CRT -.5549 CRS -.6833 CST .9862
 LSA 1576.0 MSA 221.4 SSA 16.5
 EL1 1141.1 EL2 189.7 ALF 173.41

LAUNCH DATE APR 30 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 25.903 GAL 8.57 AZL 93.89 HCA 120.15 SMA 121.69 ECC .27869 INC 3.8948 V1 29.570
 RP 108.86 LAP -3.37 LOP 339.18 VP 36.712 GAP -15.03 AZP 88.04 TAL 156.26 TAP 276.41 RCA 87.78 APO 155.61 V2 34.812
 RC 42.900 GL -18.28 GP 8.89 ZAL 52.03 ZAP 9.63 ETS 293.51 ZAE 159.19 ETE 87.79 ZAC 106.77 ETC 18.53 CLP -3.73

PLANETOCENTRIC CONIC
 C3 30.768 VHL 5.547 DLA -12.59 RAL 162.98 RAD 6568.2 VEL 12.335 PTH 2.22 VHP 9.546 OPA 20.88 RAP 161.93 ECC 1.5064
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 21 31 1918.25 -11.45 23.53 29.56 116.08 9 53 29 1318.3 -7.85 16.69
 90.00 18 4 9 5366.10 27.80 245.11 36.56 84.37 19 33 35 4766.1 26.73 236.61
 100.00 10 36 22 1676.73 -12.69 5.13 28.92 117.29 11 4 19 1076.7 -8.94 358.36
 100.00 19 31 58 5082.85 29.18 224.11 36.39 83.21 20 56 41 4482.9 27.93 215.53
 110.00 11 30 0 1508.78 -15.95 350.53 27.06 120.64 11 55 9 908.8 -11.76 343.93
 110.00 20 54 50 4823.57 32.86 203.78 35.76 79.99 22 15 14 4223.6 31.13 194.99

DIFFERENTIAL CORRECTIONS
 TOE .9711 TRA-1.9761 TC3 -.0291 BAU .0881
 RDE -.1727 RRA -.2989 RC3 .2122 FAU .02515
 FDE-1.2531 FRA 1.6960 FC3 -.7077 BSP 7474
 BDE .9863 BRA 1.9986 BC3 .2142 FSP -570

MID-COURSE EXECUTION ACCURACY
 SGT 2319.8 SGR 432.8 SG3 202.9
 RRT .4733 RRF -.5135 RTF -.9229
 SGB 2329.1 R23 -.0734 R13 -.9241
 SGI 2329.1 SG2 379.7 THA 5.18

ORBIT DETERMINATION ACCURACY
 ST 1183.2 SR 202.2 SS 1156.4
 CRT -.4990 CRS -.6335 CST .9863
 LSA 1652.8 MSA 214.6 SSA 16.3
 EL1 1187.5 EL2 174.5 ALF 175.02

LAUNCH DATE APR 30 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 305.760

RL 150.68 LAL .00 LOL 218.97 VL 26.039 GAL 8.22 AZL 94.05 MCA 123.31 SMA 122.49 ECC .26894 INC 4.0523 V1 29.570
 RP 108.84 LAP -3.39 LOP 342.35 VP 36.815 GAP -14.26 AZP 87.77 TAL 156.11 TAP 279.42 RCA 89.55 APO 155.43 V2 34.819
 RC 43.133 GL -19.79 GP 9.70 ZAL 52.49 ZAP 11.04 ETS 299.37 ZAE 158.08 ETE 80.42 ZAC 105.02 ETC 18.26 CLP -5.30

PLANETOCENTRIC CONIC

C3 28.945 VHL 5.380 OLA -13.95 RAL 162.31 RAD 6568.2 VEL 12.260 PTH 2.21 VMP 9.113 DPA 21.04 RAP 163.82 ECC 1.4764
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 30 39 1856.17 -9.57 19.94 28.00 116.78 10 1 35 1256.2 -5.90 13.18
 90.00 17 49 39 5397.58 27.99 247.40 35.35 85.50 19 19 37 4797.6 27.07 238.85
 100.00 10 44 36 1617.54 -10.82 1.73 27.34 118.03 11 11 34 1017.5 -6.99 355.04
 100.00 19 18 23 5111.45 29.39 226.21 35.20 84.30 20 43 34 4511.4 28.29 217.58
 110.00 11 36 18 1455.82 -14.08 347.54 25.43 121.48 12 0 34 855.6 -9.81 341.04
 110.00 20 43 10 4846.13 33.11 205.50 34.64 80.97 22 3 56 4246.1 31.51 196.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9931 TRA-1.9461 TC3 .0091 BAU .0905 SGT 2383.1 SGR 437.9 SG3 221.4 ST 1236.5 SR 173.0 SS 1225.9
 RDE -.1332 RRA -.3000 RC3 .2337 FAU .02660 RRT .5323 RRF -.5771 RTF -.9284 CRT -.4055 CRS -.5471 CST .9867
 FDE-1.3565 FRA 1.7633 FC3 -.7957 BSP 7763 SGB 2423.0 R23 -.0836 R13 -.9298 LSA 1737.4 MSA 207.3 SSA 16.0
 BOE 1.0020 BRA 1.9691 BC3 .2339 FSP -628 SGI 2394.7 SG2 368.9 TMA 5.72 ELI 1238.5 EL2 157.9 ALF 176.70

LAUNCH DATE APR 30 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 312.497

RL 150.68 LAL .00 LOL 218.97 VL 26.165 GAL 7.89 AZL 94.22 MCA 126.48 SMA 123.24 ECC .25979 INC 4.2218 V1 29.570
 RP 108.81 LAP -3.39 LOP 345.53 VP 36.911 GAP -13.51 AZP 87.49 TAL 156.00 TAP 282.48 RCA 91.22 APO 155.25 V2 34.826
 RC 43.534 GL -21.39 GP 10.64 ZAL 53.04 ZAP 12.67 ETS 303.76 ZAE 156.64 ETE 74.10 ZAC 103.28 ETC 18.00 CLP -6.91

PLANETOCENTRIC CONIC

C3 27.365 VHL 5.231 OLA -15.38 RAL 161.54 RAD 6568.1 VEL 12.196 PTH 2.19 VMP 8.697 DPA 21.31 RAP 165.72 ECC 1.4504
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 40 31 1791.58 -7.57 16.25 26.51 117.37 10 10 22 1191.6 -3.84 9.55
 90.00 17 33 41 5434.17 28.15 250.06 34.16 86.83 19 4 15 4834.2 27.42 241.47
 100.00 10 53 27 1556.26 -8.84 358.26 25.83 118.67 11 19 23 956.3 -4.95 351.64
 100.00 19 3 26 5144.72 29.59 228.66 34.05 85.57 20 29 11 4544.7 28.66 219.98
 110.00 11 42 57 1401.16 -12.12 344.54 23.87 122.21 12 6 19 801.2 -7.78 338.13
 110.00 20 30 24 4872.59 33.38 207.52 33.57 82.14 21 51 37 4272.6 31.93 198.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0158 TRA-1.9168 TC3 .0474 BAU .0956 SGT 2445.6 SGR 449.1 SG3 241.6 ST 1290.2 SR 144.1 SS 1300.6
 RDE -.0912 RRA -.3042 RC3 .2570 FAU .02813 RRT .5960 RRF -.6449 RTF -.9332 CRT -.2331 CRS -.3848 CST .9870
 FDE-1.4732 FRA 1.8358 FC3 -.8899 BSP 7984 SGB 2486.5 R23 -.0952 R13 -.9349 LSA 1826.5 MSA 201.0 SSA 15.5
 BOE 1.0199 BRA 1.9408 BC3 .2614 FSP -690 SGI 2460.6 SG2 358.4 TMA 6.38 ELI 1290.6 EL2 140.1 ALF 178.49

LAUNCH DATE APR 30 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 319.228

RL 150.68 LAL .00 LOL 218.97 VL 26.282 GAL 7.58 AZL 94.41 MCA 129.64 SMA 123.94 ECC .25122 INC 4.4058 V1 29.570
 RP 108.79 LAP -3.39 LOP 348.70 VP 37.001 GAP -12.77 AZP 87.19 TAL 155.92 TAP 285.56 RCA 92.81 APO 155.08 V2 34.834
 RC 44.099 GL -23.10 GP 11.72 ZAL 53.70 ZAP 14.49 ETS 306.99 ZAE 154.92 ETE 68.90 ZAC 101.55 ETC 17.75 CLP -8.58

PLANETOCENTRIC CONIC

C3 26.018 VHL 5.101 OLA -16.88 RAL 160.68 RAD 6568.1 VEL 12.141 PTH 2.18 VMP 8.301 DPA 21.72 RAP 167.63 ECC 1.4282
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 51 22 1723.86 -5.43 12.42 25.12 117.83 10 20 6 1123.9 -1.66 5.76
 90.00 17 15 56 5476.84 28.27 253.17 33.00 88.39 18 47 13 4876.8 27.75 244.55
 100.00 11 3 5 1492.45 -6.74 354.69 24.41 119.19 11 27 58 892.4 -2.80 348.12
 100.00 18 46 54 5183.48 29.76 231.53 32.94 87.07 20 13 18 4583.5 29.04 222.80
 110.00 11 50 6 1345.19 -10.07 341.50 22.38 122.84 12 12 31 745.2 -5.67 335.17
 110.00 20 16 23 4903.51 33.64 209.89 32.56 83.52 21 38 7 4303.5 32.38 200.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0425 TRA-1.8857 TC3 .0868 BAU .1027 SGT 2505.8 SGR 468.7 SG3 263.7 ST 1346.2 SR 121.5 SS 1381.9
 RDE -.0455 RRA -.3120 RC3 .2823 FAU .02975 RRT .6611 RRF -.7136 RTF -.9377 CRT -.0807 CRS -.0765 CST .9873
 FDE-1.6070 FRA 1.9124 FC3 -.9900 BSP 8191 SGB 2549.2 R23 -.1084 R13 -.9397 LSA 1923.1 MSA 195.2 SSA 15.0
 BOE 1.0435 BRA 1.9114 BC3 .2953 FSP -758 SGI 2525.2 SG2 348.9 TMA 7.19 ELI 1346.2 EL2 121.1 ALF .42

LAUNCH DATE APR 30 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 325.952

RL 150.68 LAL .00 LOL 218.97 VL 26.390 GAL 7.28 AZL 94.61 MCA 132.81 SMA 124.61 ECC .24322 INC 4.6076 V1 29.570
 RP 108.76 LAP -3.38 LOP 351.88 VP 37.086 GAP -12.07 AZP 86.87 TAL 155.87 TAP 288.68 RCA 94.30 APO 154.91 V2 34.842
 RC 44.820 GL -24.92 GP 12.97 ZAL 54.47 ZAP 16.51 ETS 309.31 ZAE 153.01 ETE 64.76 ZAC 99.83 ETC 17.50 CLP -10.30

PLANETOCENTRIC CONIC

C3 24.899 VHL 4.990 OLA -18.47 RAL 159.72 RAD 6568.0 VEL 12.094 PTH 2.16 VMP 7.924 DPA 22.30 RAP 169.57 ECC 1.4098
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 3 34 1652.09 -3.14 8.39 23.85 118.16 10 31 6 1052.1 .65 1.76
 90.00 16 56 3 5526.90 28.32 256.84 31.89 90.22 18 28 9 4926.9 28.05 248.18
 100.00 11 13 49 1425.43 -4.50 350.98 23.10 119.58 11 37 34 825.4 -.53 344.44
 100.00 18 28 29 5228.79 29.87 234.89 31.87 88.84 19 55 38 4628.8 29.39 226.12
 110.00 11 57 52 1287.39 -7.92 338.40 20.99 123.36 12 19 19 687.4 -3.48 332.13
 110.00 20 0 55 4939.60 33.88 212.68 31.63 85.16 21 23 15 4339.6 32.84 203.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0731 TRA-1.8526 TC3 .1267 BAU .1113 SGT 2562.0 SGR 499.4 SG3 287.8 ST 1403.9 SR 118.2 SS 1469.8
 RDE .0053 RRA -.3241 RC3 .3095 FAU .03147 RRT .7241 RRF -.7791 RTF -.9419 CRT .5225 CRS .3852 CST .9878
 FDE-1.4601 FRA 1.9923 FC3 -1.0942 BSP 8384 SGB 2610.2 R23 -.1229 R13 -.9444 LSA 2027.1 MSA 190.0 SSA 14.3
 BOE 1.0732 BRA 1.8807 BC3 .3345 FSP -831 SGI 2587.8 SG2 341.0 TMA 8.18 ELI 1405.3 EL2 100.7 ALF 2.53

LAUNCH DATE APR 30 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 26.490 GAL 7.01 AZL 94.83 MCA 135.98 SMA 125.23 ECC .23577 INC 4.8313 V1 29.570
 RP 108.74 LAP -3.36 LOP 355.05 VP 37.165 GAP -11.38 AZP 86.52 TAL 155.85 TAP 291.82 RCA 95.70 APO 154.75 V2 34.851
 RC 45.690 GL -26.87 GP 14.43 ZAL 55.34 ZAP 18.74 ETS 310.90 ZAE 150.94 ETE 61.61 ZAC 98.11 ETC 17.25 CLP -12.09

PLANETOCENTRIC CONIC
 C3 24.008 VHL 4.900 DLA -20.14 RAL 158.64 RAD 6568.0 VEL 12.058 PTH 2.16 VMP 7.568 DPA 23.09 RAP 171.54 ECC 1.3951
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 17 38 1574.81 -.65 4.08 -22.74 118.31 10 43 53 974.8 3.14 357.45
 90.00 16 33 25 5586.27 28.22 261.18 30.81 92.40 18 6 32 4986.3 28.26 252.51
 100.00 11 26 0 1354.18 -2.09 347.06 21.94 119.83 11 48 34 754.2 1.89 340.53
 100.00 18 7 44 5282.14 29.88 238.86 30.86 90.93 19 35 46 4682.1 29.69 230.06
 110.00 12 6 29 1227.31 -5.66 335.22 19.72 123.77 12 26 56 627.3 -1.19 328.99
 110.00 19 43 45 4981.77 34.07 215.96 30.77 87.09 21 6 46 4381.8 33.30 206.81

DIFFERENTIAL CORRECTIONS
 TDE 1.1129 TRA-1.8144 TC3 .1717 BAU .1221
 RDE .0633 RRA -.3410 RC3 .3394 FAU .03338
 FDE-1.9386 FRA 2.0724 FC3-1.2036 BSP 8660
 BDE 1.1147 BRA 1.8462 BC3 .3804 FSP -916

MID-COURSE EXECUTION ACCURACY
 SGT 2613.3 SGR 544.5 SG3 313.8
 RRT .7816 RRF -.8375 RTF -.9463
 SGB 2669.4 R23 -.1371 R13 -.9494
 SGI 2648.3 SG2 335.2 THA 9.40

ORBIT DETERMINATION ACCURACY
 ST 1467.4 SR 147.7 SS 1566.6
 CRT .8432 CRS .7539 CST .9885
 LSA 2143.7 MSA 184.4 SSA 13.6
 EL1 1472.7 EL2 79.1 ALF 4.86

LAUNCH DATE APR 30 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 26.582 GAL 6.75 AZL 95.08 MCA 139.15 SMA 125.81 ECC .22884 INC 5.0823 V1 29.570
 RP 108.71 LAP -3.32 LOP 358.23 VP 37.240 GAP -10.71 AZP 86.15 TAL 155.85 TAP 295.00 RCA 97.02 APO 154.60 V2 34.860
 RC 46.700 GL -28.94 GP 16.15 ZAL 56.34 ZAP 21.22 ETS 311.91 ZAE 148.74 ETE 59.34 ZAC 96.40 ETC 16.99 CLP -13.95

PLANETOCENTRIC CONIC
 C3 23.351 VHL 4.832 DLA -21.91 RAL 157.46 RAD 6567.9 VEL 12.030 PTH 2.15 VMP 7.236 DPA 24.13 RAP 173.58 ECC 1.3843
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 34 26 1489.55 2.10 359.32 21.84 118.25 10 59 15 889.6 5.87 352.66
 90.00 16 7 8 5657.97 27.91 266.40 29.74 95.00 17 41 26 5058.0 28.31 257.75
 100.00 11 40 17 1277.03 .52 342.82 20.96 119.89 12 1 34 677.0 4.49 336.29
 100.00 17 43 59 5345.72 29.72 243.58 29.89 93.41 19 13 4 4745.7 29.87 234.78
 110.00 12 16 15 1164.27 -3.27 331.91 18.60 124.05 12 35 39 564.3 1.22 325.71
 110.00 19 24 30 5031.24 34.18 219.82 30.02 89.37 20 48 21 4431.2 33.71 210.61

DIFFERENTIAL CORRECTIONS
 TDE 1.1551 TRA-1.7777 TC3 .2079 BAU .1328
 RDE .1307 RRA -.3640 RC3 .3711 FAU .03519
 FDE-2.1408 FRA 2.1550 FC3-1.3048 BSP 8837
 BDE 1.1624 BRA 1.8146 BC3 .4253 FSP -1002

MID-COURSE EXECUTION ACCURACY
 SGT 2660.4 SGR 607.5 SG3 341.5
 RRT .8299 RRF -.8859 RTF -.9499
 SGB 2728.9 R23 -.1524 R13 -.9537
 SGI 2708.5 SG2 332.9 THA 10.90

ORBIT DETERMINATION ACCURACY
 ST 1529.8 SR 208.8 SS 1669.1
 CRT .9623 CRS .9131 CST .9891
 LSA 2266.5 MSA 180.6 SSA 12.7
 EL1 1543.0 EL2 56.3 ALF 7.49

LAUNCH DATE APR 30 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 26.667 GAL 6.51 AZL 95.37 MCA 142.32 SMA 126.35 ECC .22242 INC 5.3678 V1 29.570
 RP 108.68 LAP -3.28 LOP 1.41 VP 37.309 GAP -10.06 AZP 85.75 TAL 155.87 TAP 298.19 RCA 98.24 APO 154.45 V2 34.870
 RC 47.841 GL -31.16 GP 18.17 ZAL 57.46 ZAP 23.96 ETS 312.43 ZAE 146.39 ETE 57.88 ZAC 94.68 ETC 16.70 CLP -15.88

PLANETOCENTRIC CONIC
 C3 22.945 VHL 4.790 DLA -23.80 RAL 156.14 RAD 6567.9 VEL 12.013 PTH 2.14 VMP 6.931 DPA 25.47 RAP 175.71 ECC 1.3776
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 55 37 1391.45 5.25 353.83 21.25 117.87 11 18 48 791.5 8.94 347.09
 90.00 15 35 27 5747.52 27.21 272.86 28.63 98.16 17 11 15 5147.5 28.06 264.29
 100.00 11 57 41 1191.06 -8.43 338.10 20.24 119.71 12 17 32 591.1 7.36 331.52
 100.00 17 16 4 5423.15 29.27 249.29 28.93 96.38 18 46 27 4823.1 29.84 240.53
 110.00 12 27 37 1097.24 -.71 328.41 17.66 124.18 12 45 54 497.2 3.78 322.20
 110.00 19 2 38 5089.74 34.13 224.39 29.35 92.08 20 27 28 4489.7 34.04 215.14

DIFFERENTIAL CORRECTIONS
 TDE 1.2081 TRA-1.7363 TC3 .2451 BAU .1453
 RDE .2118 RRA -.3937 RC3 .4052 FAU .03709
 FDE-2.3751 FRA 2.2322 FC3-1.3994 BSP 9081
 BDE 1.2265 BRA 1.7804 BC3 .4736 FSP -1097

MID-COURSE EXECUTION ACCURACY
 SGT 2700.9 SGR 692.7 SG3 370.4
 RRT .8688 RRF -.9233 RTF -.9536
 SGB 2788.3 R23 -.1652 R13 -.9585
 SGI 2768.2 SG2 334.6 THA 12.75

ORBIT DETERMINATION ACCURACY
 ST 1597.4 SR 296.9 SS 1780.3
 CRT .9937 CRS .9690 CST .9900
 LSA 2403.8 MSA 176.7 SSA 11.7
 EL1 1624.5 EL2 32.8 ALF 10.47

LAUNCH DATE APR 30 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 26.744 GAL 6.28 AZL 95.70 MCA 145.49 SMA 126.85 ECC .21649 INC 5.6976 V1 29.570
 RP 108.64 LAP -3.22 LOP 4.60 VP 37.374 GAP -9.43 AZP 85.30 TAL 155.92 TAP 301.41 RCA 99.39 APO 154.31 V2 34.881
 RC 49.103 GL -33.54 GP 20.59 ZAL 58.71 ZAP 27.02 ETS 312.55 ZAE 143.86 ETE 57.14 ZAC 92.94 ETC 16.37 CLP -17.90

PLANETOCENTRIC CONIC
 C3 22.821 VHL 4.777 DLA -25.80 RAL 154.68 RAD 6567.9 VEL 12.008 PTH 2.14 VMP 6.657 DPA 27.17 RAP 177.97 ECC 1.3756
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 25 5 1268.54 9.10 346.85 21.15 116.93 11 46 14 668.5 12.65 339.97
 90.00 14 54 20 5867.79 25.76 281.36 27.32 102.18 16 32 8 5267.8 27.18 272.98
 100.00 12 20 20 1090.18 6.81 332.52 19.92 119.18 12 38 30 490.2 10.65 325.83
 100.00 16 41 47 5521.38 28.31 256.43 27.88 100.02 18 13 48 4921.4 29.40 247.80
 110.00 12 41 16 1024.45 2.08 324.62 16.99 124.13 12 58 21 424.4 6.54 318.38
 110.00 18 37 19 5159.88 33.82 229.84 28.75 95.29 20 3 19 4559.9 34.18 220.62

DIFFERENTIAL CORRECTIONS
 TDE 1.2705 TRA-1.6933 TC3 .2742 BAU .1584
 RDE .3115 RRA -.4316 RC3 .4409 FAU .03881
 FDE-2.6416 FRA 2.3010 FC3-1.4723 BSP -9322
 BDE 1.3081 BRA 1.7474 BC3 .5192 FSP -1194

MID-COURSE EXECUTION ACCURACY
 SGT 2734.7 SGR 804.7 SG3 399.8
 RRT .8982 RRF -.9503 RTF -.9570
 SGB 2850.7 R23 -.1752 R13 -.9632
 SGI 2830.1 SG2 341.9 THA 15.03

ORBIT DETERMINATION ACCURACY
 ST 1667.3 SR 411.7 SS 1897.8
 CRT .9996 CRS .9886 CST .9908
 LSA 2553.6 MSA 173.7 SSA 10.7
 EL1 1717.4 EL2 11.9 ALF 13.86

LAUNCH DATE APR 30 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 359.408

RL 150.68 LAL .00 LOL 218.97 VL 26.815 GAL 6.07 AZL 96.09 MCA 148.66 SMA 127.31 ECC .21102 INC 6.0855 V1 29.570
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.435 GAP -8.81 A7P 84.80 TAL 155.98 TAP 304.64 RCA 100.44 APO 154.17 V2 34.891
 RC 50.476 GL -36.09 GP 23.48 ZAL 60.10 ZAP 30.46 ETS 312.31 ZAE 141.08 ETE 57.06 ZAC 91.16 ETC 15.98 CLP -19.99

PLANETOCENTRIC CONIC

C3 23.029 VHL 4.799 DLA -27.93 RAL 153.05 RAD 6567.9 VEL 12.017 PTH 2.14 VHP 6.423 OPA 29.32 RAP 180.45 ECC 1.3790
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 22 16 1059.46 15.27 334.59 22.35 114.14 12 39 55 459.5 18.40 327.32
 90.00 13 44 11 793.26 21.90 317.89 25.07 108.41 13 57 24 193.3 24.21 309.98
 100.00 12 53 53 957.20 11.14 325.02 20.28 117.92 13 9 50 357.2 14.79 318.14
 100.00 15 55 15 5658.79 26.30 266.14 26.50 104.75 17 29 34 5058.8 28.07 257.79
 110.00 12 58 31 942.66 5.19 320.33 16.69 123.83 13 14 14 342.7 9.60 314.02
 110.00 18 7 6 5246.10 33.08 236.46 28.16 99.14 19 34 32 4646.1 33.99 227.34

DIFFERENTIAL CORRECTIONS

TDE 1.3511 TRA-1.6437 TC3 .3034 BAU .1743
 RDE .4379 RRA -.4781 RC3 .4779 FAU .04041
 FDE-2.9459 FRA 2.3479 FC3-1.5191 BSP 9704
 BDE 1.4203 BRA 1.7118 BC3 .5660 FSP -1300

MID-COURSE EXECUTION ACCURACY

SGT 2760.3 SGR 949.3 SG3 428.2
 RRT .9204 RRF -.9687 RTF -.9608
 SGB 2919.2 R23 -.1779 R13 -.9686
 SG1 2897.7 SG2 353.5 TMA 17.84

ORBIT DETERMINATION ACCURACY

ST 1745.3 SR 557.8 SS 2022.2
 CRT .9991 CRS .9958 CST .9919
 LSA 2723.5 MSA 169.6 SSA 9.5
 EL1 1832.2 EL2 22.2 ALF 17.71

LAUNCH DATE APR 30 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 366.103

RL 150.68 LAL .00 LOL 218.97 VL 26.880 GAL 5.90 AZL 96.55 MCA 151.84 SMA 127.73 ECC .20613 INC 6.5514 V1 29.570
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.492 GAP -8.22 A7P 84.22 TAL 156.01 TAP 307.84 RCA 101.40 APO 154.06 V2 34.903
 RC 51.950 GL -38.81 GP 26.93 ZAL 61.59 ZAP 34.32 ETS 311.75 ZAE 137.96 ETE 57.48 ZAC 89.31 ETC 15.47 CLP -22.13

PLANETOCENTRIC CONIC

C3 23.690 VHL 4.867 DLA -30.21 RAL 151.30 RAD 6568.0 VEL 12.044 PTH 2.15 VHP 6.244 OPA 31.96 RAP 183.25 ECC 1.3899
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.00 11 27 16 1219.93 19.79 348.47 23.11 113.30 11 47 36 619.9 22.78 340.92
 101.00 14 25 12 646.59 19.81 306.27 23.11 113.29 14 35 58 46.6 22.79 298.71
 79.00 11 27 16 1219.93 19.79 348.47 23.11 113.30 11 47 36 619.9 22.78 340.92
 101.00 14 25 12 646.59 19.81 306.27 23.11 113.29 14 35 58 46.6 22.79 298.71
 110.00 13 22 15 845.17 8.86 315.16 17.06 123.15 13 36 21 245.2 13.16 308.71
 110.00 17 29 23 5357.38 31.57 244.79 27.49 103.85 18 58 41 4757.4 33.15 235.92

DIFFERENTIAL CORRECTIONS

TDE .9446 TRA-2.0922 TC3 -.5287 BAU .2019
 RDE .5158 RRA -.6359 RC3 .3563 FAU .01732
 FDE-2.7778 FRA 2.9161 FC3 -.6329 BSP 2733
 BDE 1.0763 BRA 2.1867 BC3 .6376 FSP -321

MID-COURSE EXECUTION ACCURACY

SGT 3102.2 SGR 1113.2 SG3 447.7
 RRT .8586 RRF -.9777 RTF -.9107
 SGB 3295.9 R23 -.3329 R13 -.9297
 SG1 3250.6 SG2 544.6 TMA 17.64

ORBIT DETERMINATION ACCURACY

ST 1402.8 SR 660.6 SS 1877.5
 CRT .9683 CRS .9984 CST .9534
 LSA 2410.5 MSA 344.4 SSA 8.4
 EL1 1543.2 EL2 150.0 ALF 24.76

LAUNCH DATE APR 30 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 372.692

RL 150.68 LAL .00 LOL 218.97 VL 26.939 GAL 5.71 AZL 97.13 MCA 155.01 SMA 128.12 ECC .20145 INC 7.1253 V1 29.570
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.545 GAP -7.63 A7P 83.54 TAL 156.13 TAP 311.14 RCA 102.31 APO 153.93 V2 34.914
 RC 53.515 GL -41.83 GP 31.15 ZAL 63.38 ZAP 38.79 ETS 310.99 ZAE 134.32 ETE 58.49 ZAC 87.41 ETC 14.84 CLP -24.38

PLANETOCENTRIC CONIC

C3 24.856 VHL 4.986 DLA -32.67 RAL 149.16 RAD 6568.0 VEL 12.093 PTH 2.16 VHP 6.124 OPA 35.30 RAP 186.51 ECC 1.4091
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.98 10 36 40 1364.06 20.95 359.92 22.47 115.66 10 59 24 764.1 24.23 352.43
 107.02 14 58 45 5814.09 20.97 275.63 22.48 115.64 16 35 39 5214.1 24.24 268.14
 72.98 10 36 40 1364.06 20.95 359.92 22.47 115.66 10 59 24 764.1 24.23 352.43
 107.02 14 58 45 5814.09 20.97 275.63 22.48 115.64 16 35 39 5214.1 24.24 268.14
 110.00 14 0 33 705.61 13.95 307.56 18.48 121.53 14 12 19 105.6 18.02 300.81
 110.00 16 34 3 5520.54 28.32 256.37 25.88 109.99 18 6 3 4920.5 30.78 248.03

DIFFERENTIAL CORRECTIONS

TDE 1.5314 TRA-1.5795 TC3 .2587 BAU .1951
 RDE .8098 RRA -.6103 RC3 .5271 FAU .03944
 FDE-3.5913 FRA 2.3767 FC3-1.3737 BSP 9659
 BDE 1.7323 BRA 1.6933 BC3 .5872 FSP -1390

MID-COURSE EXECUTION ACCURACY

SGT 2795.3 SGR 1355.1 SG3 468.8
 RRT .9424 RRF -.9880 RTF -.9635
 SGB 3106.5 R23 -.1784 R13 -.9766
 SG1 3079.1 SG2 411.4 TMA 25.03

ORBIT DETERMINATION ACCURACY

ST 1875.0 SR 963.7 SS 2243.9
 CRT .9959 CRS .9995 CST .9927
 LSA 3074.0 MSA 174.5 SSA 7.4
 EL1 2106.8 EL2 77.7 ALF 27.15

LAUNCH DATE APR 30 1967

FLIGHT TIME 148.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 379.305

RL 150.68 LAL .00 LOL 218.97 VL 26.992 GAL 5.55 AZL 97.85 MCA 158.18 SMA 128.48 ECC .19731 INC 7.8547 V1 29.570
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.594 GAP -7.06 A7P 82.70 TAL 156.21 TAP 314.39 RCA 103.13 APO 153.83 V2 34.926
 RC 55.163 GL -45.08 GP 36.23 ZAL 65.33 ZAP 43.86 ETS 309.98 ZAE 130.00 ETE 59.74 ZAC 85.37 ETC 13.93 CLP -26.63

PLANETOCENTRIC CONIC

C3 26.884 VHL 5.185 DLA -35.30 RAL 146.78 RAD 6568.1 VEL 12.176 PTH 2.19 VHP 6.109 OPA 39.32 RAP 190.54 ECC 1.4424
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 67.98 9 56 44 1476.37 21.89 9.18 22.19 118.42 10 21 21 876.4 25.51 1.80
 112.02 15 19 39 5740.57 21.90 270.42 22.20 118.41 16 55 20 5140.6 25.52 263.04
 67.98 9 56 44 1476.37 21.89 9.18 22.19 118.42 10 21 21 876.4 25.51 1.80
 112.02 15 19 39 5740.57 21.90 270.42 22.20 118.41 16 55 20 5140.6 25.52 263.04
 67.98 9 56 44 1476.37 21.89 9.18 22.19 118.42 10 21 21 876.4 25.51 1.80
 112.02 15 19 39 5740.57 21.90 270.42 22.20 118.41 16 55 20 5140.6 25.52 263.04

DIFFERENTIAL CORRECTIONS

TDE 1.6876 TRA-1.5323 TC3 .2426 BAU .2118
 RDE 1.0990 RRA -.6880 RC3 .5371 FAU .03757
 FDE-3.9300 FRA 2.2797 FC3-1.2099 BSP 10159
 BDE 2.0139 BRA 1.6796 BC3 .5893 FSP -1421

MID-COURSE EXECUTION ACCURACY

SGT 2800.9 SGR 1628.8 SG3 472.9
 RRT .9508 RRF -.9925 RTF -.9665
 SGB 3240.1 R23 -.1616 R13 -.9820
 SG1 3210.0 SG2 440.3 TMA 29.55

ORBIT DETERMINATION ACCURACY

ST 1965.9 SR 1246.3 SS 2343.7
 CRT .9954 CRS .9999 CST .9937
 LSA 3298.7 MSA 172.4 SSA 6.3
 EL1 2325.5 EL2 101.4 ALF 32.32

LAUNCH DATE APR 30 1967 FLIGHT TIME 150.00 ARRIVAL DATE SEP 27 1967

DISTANCE 385.898

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 27.040 GAL 5.40 AZL 98.82 HCA 161.35 SMA 128.80 ECC .19356 INC 8.8190 V1 29.570
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.640 GAP -6.51 AZP 81.64 TAL 156.29 TAP 317.64 RCA 103.87 APO 153.74 V2 34.938
 RC 56.885 GL -48.63 GP 42.35 ZAL 67.54 ZAP 49.63 ETS 308.76 ZAE 124.77 ETE 61.04 ZAC 83.15 ETC 12.58 CLP -28.79

PLANETOCENTRIC CONIC
 C3 30.241 VHL 5.499 OLA -38.13 RAL 143.97 RAD 6568.2 VEL 12.313 PTH 2.22 VHP 6.245 DPA 44.07 RAP 195.82 ECC 1.4977
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.33 9 20 52 1578.63 22.43 17.77 22.22 121.67 9 47 11 978.6 26.45 10.59
 116.67 15 33 9 5697.05 22.45 267.25 22.23 121.66 17 8 6 5097.1 26.46 260.06
 63.33 9 20 52 1578.63 22.43 17.77 22.22 121.67 9 47 11 978.6 26.45 10.59
 116.67 15 33 9 5697.05 22.45 267.25 22.23 121.66 17 8 6 5097.1 26.46 260.06
 63.33 9 20 52 1578.63 22.43 17.77 22.22 121.67 9 47 11 978.6 26.45 10.59
 116.67 15 33 9 5697.05 22.45 267.25 22.23 121.66 17 8 6 5097.1 26.46 260.06

DIFFERENTIAL CORRECTIONS
 TOE 1.9066 TRA-1.4891 TC3 .2101 BAU .2267
 RDE 1.4965 RRA -.7682 RC3 .5200 FAU .03348
 FDE-4.2144 FRA 2.0862 FC3 -.9583 BSP 10811
 BDE 2.4237 BRA 1.6755 BC3 .5608 FSP -1393

MID-COURSE EXECUTION ACCURACY
 SGT 2808.8 SGR 1947.6 SG3 457.4
 RRT .9571 RRF -.9951 RTF -.9695
 SGB 3417.9 R23 -.1399 R13 -.9870
 SG1 3385.8 SG2 467.9 TMA 34.32

ORBIT DETERMINATION ACCURACY
 ST 2072.7 SR 1588.8 SS 2411.0
 CRT .9954 CRS 1.0000 CST .9947
 LSA 3550.3 MSA 170.1 SSA 5.4
 EL1 2608.8 EL2 121.6 ALF 37.44

LAUNCH DATE APR 30 1967 FLIGHT TIME 152.00 ARRIVAL DATE SEP 29 1967

DISTANCE 392.465

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 27.083 GAL 5.28 AZL 100.16 HCA 164.52 SMA 129.10 ECC .19021 INC10.1628 V1 29.570
 RP 108.43 LAP -2.70 LOP 23.72 VP 37.683 GAP -5.97 AZP 80.20 TAL 156.36 TAP 320.88 RCA 104.54 APO 153.65 V2 34.951
 RC 58.673 GL -52.52 GP 49.64 ZAL 70.05 ZAP 56.13 ETS 307.19 ZAE 118.41 ETE 61.94 ZAC 80.71 ETC 10.41 CLP -30.63

PLANETOCENTRIC CONIC
 C3 35.956 VHL 5.996 OLA -41.11 RAL 140.60 RAD 6568.4 VEL 12.543 PTH 2.27 VHP 6.627 DPA 49.43 RAP 203.17 ECC 1.5918
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.85 8 46 32 1681.45 22.28 26.31 22.59 125.49 9 14 33 1081.4 26.76 19.44
 121.15 15 40 32 5681.46 22.29 265.83 22.59 125.49 17 15 14 5081.5 26.77 258.95
 58.85 8 46 32 1681.45 22.28 26.31 22.59 125.49 9 14 33 1081.4 26.76 19.44
 121.15 15 40 32 5681.46 22.29 265.83 22.59 125.49 17 15 14 5081.5 26.77 258.95
 58.85 8 46 32 1681.45 22.28 26.31 22.59 125.49 9 14 33 1081.4 26.76 19.44
 121.15 15 40 32 5681.46 22.29 265.83 22.59 125.49 17 15 14 5081.5 26.77 258.95

DIFFERENTIAL CORRECTIONS
 TOE 2.2390 TRA-1.4612 TC3 .1592 BAU .2334
 RDE 2.0472 RRA -.8367 RC3 .4587 FAU .02648
 FDE-4.3695 FRA 1.7848 FC3 -.6376 BSP 11575
 BDE 3.0338 BRA 1.6838 BC3 .4856 FSP -1277

MID-COURSE EXECUTION ACCURACY
 SGT 2836.8 SGR 2292.4 SG3 415.6
 RRT .9620 RRF -.9966 RTF -.9726
 SGB 3647.3 R23 -.1164 R13 -.9911
 SG1 3614.1 SG2 491.0 TMA 38.71

ORBIT DETERMINATION ACCURACY
 ST 2210.4 SR 1981.9 SS 2422.1
 CRT .9957 CRS 1.0000 CST .9957
 LSA 3827.9 MSA 167.9 SSA 4.5
 EL1 2965.7 EL2 137.3 ALF 41.87

LAUNCH DATE APR 30 1967 FLIGHT TIME 154.00 ARRIVAL DATE OCT 1 1967

DISTANCE 399.002

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 27.122 GAL 5.17 AZL 102.18 HCA 167.67 SMA 129.36 ECC .18725 INC12.1772 V1 29.570
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.722 GAP -5.45 AZP 78.10 TAL 156.41 TAP 324.09 RCA 105.14 APO 153.58 V2 34.964
 RC 60.521 GL -56.71 GP 58.16 ZAL 72.96 ZAP 63.26 ETS 304.68 ZAE 110.74 ETE 61.46 ZAC 77.96 ETC 6.52 CLP -31.49

PLANETOCENTRIC CONIC
 C3 46.458 VHL 6.816 OLA -44.17 RAL 136.43 RAD 6568.7 VEL 12.955 PTH 2.36 VHP 7.448 DPA 54.93 RAP 214.05 ECC 1.7646
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.57 8 12 14 1793.98 20.91 35.11 23.25 129.84 8 42 8 1194.0 25.89 28.70
 125.43 15 41 35 5698.18 20.92 266.16 23.27 129.83 17 16 33 5098.2 25.91 259.76
 54.57 8 12 14 1793.98 20.91 35.11 23.25 129.84 8 42 8 1194.0 25.89 28.70
 125.43 15 41 35 5698.18 20.92 266.16 23.27 129.83 17 16 33 5098.2 25.91 259.76
 54.57 8 12 14 1793.98 20.91 35.11 23.25 129.84 8 42 8 1194.0 25.89 28.70
 125.43 15 41 35 5698.18 20.92 266.16 23.27 129.83 17 16 33 5098.2 25.91 259.76

DIFFERENTIAL CORRECTIONS
 TOE 2.8215 TRA-1.4698 TC3 .0923 BAU .2176
 RDE 2.8039 RRA -.8574 RC3 .3379 FAU .01653
 FDE-4.3139 FRA 1.3881 FC3 -.3081 BSP 12415
 BDE 3.9778 BRA 1.7016 BC3 .3503 FSP -1060

MID-COURSE EXECUTION ACCURACY
 SGT 2933.9 SGR 2603.3 SG3 345.3
 RRT .9661 RRF -.9972 RTF -.9770
 SGB 3922.3 R23 -.0935 R13 -.9942
 SG1 3889.4 SG2 507.1 TMA 41.46

ORBIT DETERMINATION ACCURACY
 ST 2427.4 SR 2376.2 SS 2354.6
 CRT .9962 CRS 1.0000 CST .9967
 LSA 4129.8 MSA 165.6 SSA 3.6
 EL1 3393.6 EL2 148.4 ALF 44.39

LAUNCH DATE APR 30 1967 FLIGHT TIME 156.00 ARRIVAL DATE OCT 3 1967

DISTANCE 405.492

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 27.156 GAL 5.08 AZL 105.55 HCA 170.81 SMA 129.59 ECC .18468 INC15.5471 V1 29.570
 RP 108.35 LAP -2.45 LOP 30.11 VP 37.759 GAP -4.94 AZP 74.64 TAL 156.44 TAP 327.25 RCA 105.66 APO 153.53 V2 34.977
 RC 62.420 GL -61.01 GP 67.81 ZAL 76.33 ZAP 70.72 ETS 298.30 ZAE 101.59 ETE 56.34 ZAC 74.73 ETC 357.64 CLP -29.04

PLANETOCENTRIC CONIC
 C3 68.698 VHL 8.288 OLA -46.95 RAL 131.22 RAD 6569.3 VEL 13.786 PTH 2.52 VHP 9.147 DPA 59.32 RAP 230.63 ECC 2.1306
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 50.84 7 37 37 1925.58 17.49 44.07 24.09 134.30 8 9 42 1325.6 22.97 38.28
 129.16 15 34 40 5758.37 17.50 268.49 24.10 134.29 17 10 38 5158.4 22.99 262.69
 50.84 7 37 37 1925.58 17.49 44.07 24.09 134.30 8 9 42 1325.6 22.97 38.28
 129.16 15 34 40 5758.37 17.50 268.49 24.10 134.29 17 10 38 5158.4 22.99 262.69
 50.84 7 37 37 1925.58 17.49 44.07 24.09 134.30 8 9 42 1325.6 22.97 38.28
 129.16 15 34 40 5758.37 17.50 268.49 24.10 134.29 17 10 38 5158.4 22.99 262.69

DIFFERENTIAL CORRECTIONS
 TOE 4.1129 TRA-1.5717 TC3 .0128 BAU .1478
 RDE 3.7099 RRA -.7136 RC3 .1605 FAU .00462
 FDE-4.0104 FRA .9536 FC3 -.0582 BSP 13305
 BDE 5.5389 BRA 1.7261 BC3 .1610 FSP -775

MID-COURSE EXECUTION ACCURACY
 SGT 3258.4 SGR 2677.7 SG3 253.8
 RRT .9682 RRF -.9960 RTF -.9844
 SGB 4217.5 R23 -.0709 R13 -.9967
 SG1 4185.1 SG2 521.8 TMA 39.23

ORBIT DETERMINATION ACCURACY
 ST 2882.9 SR 2573.7 SS 2203.0
 CRT .9966 CRS .9998 CST .9981
 LSA 4445.4 MSA 165.2 SSA 2.5
 EL1 3861.4 EL2 157.6 ALF 41.75

LAUNCH DATE APR 30 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 5 1967

MELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 27.186 GAL 5.02 AZL 112.31 MCA 173.88 SMA 129.80 ECC .18255 INC22.3128 V1 29.570
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.793 GAP -4.47 AZP 67.80 TAL 156.40 TAP 330.28 RCA 106.11 APO 153.50 V2 34.990
 RC 64.367 GL -64.48 GP 77.79 ZAL 80.24 ZAP 77.98 ETS 268.11 ZAE 90.42 ETE 26.54 ZAC 70.38 ETC 323.37 CLP -10.04

PLANETOCENTRIC CONIC
 C3 129.815 VML 11.394 DLA -48.41 RAL 125.02 RAD 6570.4 VEL 15.848 PTH 2.81 VMP 13.007 DPA 59.96 RAP 254.02 ECC 3.1364
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 48.94 7 6 17 2079.96 11.07 52.19 25.00 137.43 7 40 57 1480.0 16.91 46.96
 131.06 15 16 29 5880.14 11.09 273.44 25.01 137.43 16 54 29 5280.1 16.92 268.21
 48.94 7 6 17 2079.96 11.07 52.19 25.00 137.43 7 40 57 1480.0 16.91 46.96
 131.06 15 16 29 5880.14 11.09 273.44 25.01 137.43 16 54 29 5280.1 16.92 268.21
 48.94 7 6 17 2079.96 11.07 52.19 25.00 137.43 7 40 57 1480.0 16.91 46.96
 131.06 15 16 29 5880.14 11.09 273.44 25.01 137.43 16 54 29 5280.1 16.92 268.21

DIFFERENTIAL CORRECTIONS
 TOE 8.0304 TRA -1.7792 TC3 -.1140 BAU .2006 SGT 4265.2 SGR 1358.7 SG3 160.6
 ROE 2.6532 RRA .3340 RC3 .0192 FAU-.00855 RRT .8689 RRF -.9031 RTF -.9970 ST 4058.5 SR 1336.4 SS 2027.3
 FDE -3.5772 FRA .5932 FC3 .0570 BSP 14074 SGB 4476.4 R23 -.0330 R13 -.9992 CRT .9878 CRS .9913 CST .9997
 BOE 8.4574 BRA 1.8103 BC3 .1156 FSP -487 SG1 4429.3 SG2 647.6 TMA 15.82 LSA 4725.2 MSA 199.1 SSA 1.4
 EL1 4268.3 EL2 198.2 ALF 18.06

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 30 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 7 1967

MELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 27.212 GAL 5.02 AZL 131.48 MCA 176.71 SMA 129.98 ECC .18116 INC41.4803 V1 29.570
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.824 GAP -4.07 AZP 48.57 TAL 156.14 TAP 332.85 RCA 106.44 APO 153.53 V2 35.003
 RC 66.358 GL -62.22 GP 75.49 ZAL 84.53 ZAP 84.25 ETS 192.03 ZAE 73.92 ETE 310.91 ZAC 61.99 ETC 239.86 CLP 66.41

PLANETOCENTRIC CONIC
 C3 411.852 VML 20.294 DLA -43.99 RAL 120.12 RAD 6572.1 VEL 23.090 PTH 3.28 VMP 24.435 DPA 51.08 RAP 280.21 ECC 7.7780
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.81 7 8 8 2190.04 2.55 53.73 27.46 133.93 7 44 38 1590.0 8.08 48.34
 125.19 14 35 36 811.22 2.57 307.34 27.48 133.93 14 49 7 211.2 8.10 301.94
 54.81 7 8 8 2190.04 2.55 53.73 27.46 133.93 7 44 38 1590.0 8.08 48.34
 125.19 14 35 36 811.22 2.57 307.34 27.48 133.93 14 49 7 211.2 8.10 301.94
 54.81 7 8 8 2190.04 2.55 53.73 27.46 133.93 7 44 38 1590.0 8.08 48.34
 125.19 14 35 36 811.22 2.57 307.34 27.48 133.93 14 49 7 211.2 8.10 301.94

DIFFERENTIAL CORRECTIONS
 TOE 9.3259 TRA .3272 TC3 -.1407 BAU 1.6075 SGT 2697.2 SGR 3636.8 SG3 92.6
 RO-11.8174 RRA 2.5699 RC3 .2558 FAU-.03307 RRT -.9428 RRF .9956 RTF -.9698 ST 2633.3 SR 3350.2 SS 2144.9
 FDE -3.5918 FRA .5214 FC3 .0695 BSP 13834 SGB 4527.8 R23 -.0252 R13 .9997 CRT -.9945 CRS -.9996 CST .9972
 BOE15.0540 BRA 2.5907 BC3 .2920 FSP -277 SG1 4468.3 SG2 732.0 TMA 126.08 LSA 4765.6 MSA 218.3 SSA .7
 EL1 4255.7 EL2 217.5 ALF 128.13

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 30 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 9 1967

MELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 27.235 GAL 4.49 AZL 19.93 MCA 182.16 SMA 130.14 ECC .17577 INC70.0641 V1 29.570
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.852 GAP -2.93 AZP 160.05 TAL 158.03 TAP 340.19 RCA 107.27 APO 153.02 V2 35.016
 RC 68.382 GL 51.40 GP -56.52 ZAL 87.04 ZAP 87.76 ETS 172.29 ZAE 67.07 ETE 55.36 ZAC 78.26 ETC 125.41 CLP 85.93

PLANETOCENTRIC CONIC
 C31066.803 VML 32.662 DLA 63.68 RAL 166.60 RAD 6573.0 VEL 34.469 PTH 3.51 VMP 43.290 DPA -73.81 RAP 347.65 ECC18.5569
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 30.24 20 57 59 5060.36 .54 243.13 76.88 26.32 22 22 20 4460.4 -6.63 239.98
 149.76 6 56 31 3355.20 .55 101.17 76.86 26.32 7 52 26 2755.2 -6.61 98.03
 30.24 20 57 59 5060.36 .54 243.13 76.88 26.32 22 22 20 4460.4 -6.63 239.98
 149.76 6 56 31 3355.20 .55 101.17 76.86 26.32 7 52 26 2755.2 -6.61 98.03
 30.24 20 57 59 5060.36 .54 243.13 76.88 26.32 22 22 20 4460.4 -6.63 239.98
 149.76 6 56 31 3355.20 .55 101.17 76.86 26.32 7 52 26 2755.2 -6.61 98.03

DIFFERENTIAL CORRECTIONS
 TOE -6.0196 TRA -3.0816 TC3 -.1523 BAU 4.4739 SGT 1895.1 SGR 3675.9 SG3 73.7
 ROE -5.3839 RRA -7.7532 RC3 -.2742 FAU-.07827 RRT .9359 RRF -.9997 RTF -.9442 ST 1117.9 SR 1319.8 SS 1196.4
 FDE 1.3655 FRA 1.7827 FC3 .0635 BSP 11590 SGB 4135.7 R23 -.0482 R13 -.9988 CRT .9052 CRS .9988 CST .9249
 BOE 8.0760 BRA 8.3432 BC3 .3137 FSP -214 SG1 4092.0 SG2 599.5 TMA 63.63 LSA 2066.1 MSA 392.6 SSA .6
 EL1 1689.3 EL2 371.2 ALF 50.22

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 30 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 11 1967

MELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 27.254 GAL 4.66 AZL 64.54 MCA 184.36 SMA 130.28 ECC .17597 INC25.4615 V1 29.570
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.879 GAP -2.73 AZP 115.40 TAL 157.18 TAP 341.54 RCA 107.35 APO 153.20 V2 35.029
 RC 70.443 GL 65.42 GP -82.65 ZAL 82.09 ZAP 85.01 ETS 110.59 ZAE 93.03 ETE 359.03 ZAC 96.90 ETC 67.72 CLP 47.17

PLANETOCENTRIC CONIC
 C3 164.913 VML 12.842 DLA 67.12 RAL 204.50 RAD 6570.8 VEL 16.919 PTH 2.92 VMP 18.044 DPA -72.81 RAP 101.13 ECC 3.7140
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 26.22 23 19 57 4890.46 -10.97 241.18 109.82 23.34 24 41 27 4290.5 -18.30 238.27
 153.78 9 36 56 3156.98 -10.96 94.72 109.79 23.34 10 29 33 2557.0 -18.29 91.81
 26.22 23 19 57 4890.46 -10.97 241.18 109.82 23.34 24 41 27 4290.5 -18.30 238.27
 153.78 9 36 56 3156.98 -10.96 94.72 109.79 23.34 10 29 33 2557.0 -18.29 91.81
 26.22 23 19 57 4890.46 -10.97 241.18 109.82 23.34 24 41 27 4290.5 -18.30 238.27
 153.78 9 36 56 3156.98 -10.96 94.72 109.79 23.34 10 29 33 2557.0 -18.29 91.81

DIFFERENTIAL CORRECTIONS
 TOE 2.1719 TRA -4.0953 TC3 -.1775 BAU .4038 SGT 4819.0 SGR 891.3 SG3 114.2
 ROE 1.5066 RRA -.5002 RC3 -.0449 FAU-.00805 RRT .7916 RRF -.8035 RTF -.9997 ST 1710.6 SR 693.9 SS 754.6
 FDE -.6570 FRA 1.1190 FC3 .0422 BSP 15014 SGB 4900.7 R23 -.0034 R13 -.9999 CRT .7533 CRS .9841 CST .9988
 BOE 2.6433 BRA 4.1257 BC3 .1831 FSP -360 SG1 4871.0 SG2 538.8 TMA 8.43 LSA 1946.0 MSA 435.7 SSA .8
 EL1 1793.9 EL2 435.2 ALF 18.09

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE APR 30 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 13 1967

MELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 27.270 GAL 4.67 AZL 76.48 MCA 187.34 SMA 130.39 ECC .17522 INC13.5155 V1 29.570
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.902 GAP -2.32 AZP 103.41 TAL 156.97 TAP 344.31 RCA 107.54 APO 153.23 V2 35.042
 RC 72.534 GL 60.41 GP -80.21 ZAL 75.93 ZAP 83.10 ETS 40.76 ZAE 104.74 ETE 291.99 ZAC 103.06 ETC 4.22 CLP -45.03

PLANETOCENTRIC CONIC
 C3 53.364 VML 7.305 DLA 60.45 RAL 201.37 RAD 6568.9 VEL 13.218 PTH 2.41 VHP 10.812 DPA -62.80 RAP 119.68 ECC 1.8782
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 34.08 23 26 0 4617.15 -24.50 227.40 96.40 32.82 24 42 57 4017.2 -31.14 222.76
 145.92 9 5 56 2944.10 -24.49 89.98 96.39 32.82 9 55 0 2344.1 -31.13 85.34
 34.08 23 26 0 4617.15 -24.50 227.40 96.40 32.82 24 42 57 4017.2 -31.14 222.76
 145.92 9 5 56 2944.10 -24.49 89.98 96.39 32.82 9 55 0 2344.1 -31.13 85.34
 34.08 23 26 0 4617.15 -24.50 227.40 96.40 32.82 24 42 57 4017.2 -31.14 222.76
 145.92 9 5 56 2944.10 -24.49 89.98 96.39 32.82 9 55 0 2344.1 -31.13 85.34

MID-COURSE EXECUTION ACCURACY
 SGT 2095.4 SGR 4513.1 SG3 202.1 ST 1105.2 SR 1452.0 SS 771.3
 RRT -.9373 RRF .9973 RTF -.9586 CRT -.8037 CRS -.9813 CST .9032
 SGB 4975.9 R23 .0083 R13 .9996 LSA 1903.5 MSA 549.0 SSA 1.8
 SGI 4930.7 SG2 668.7 TMA 113.99 EL1 1740.3 EL2 548.6 ALF 125.51

DIFFERENTIAL CORRECTIONS
 TDE 1.2150 TRA -1.1735 TC3 .0180 BAU .2271
 ROE -.7251 RRA 2.8005 RC3 -.3178 FAU .01115
 FDE -.5909 FRA 1.4322 FC3 -.1809 BSP 15261
 BDE 1.4149 BRA 3.0364 BC3 .3183 FSP -636

LAUNCH DATE APR 30 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 15 1967

MELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 27.284 GAL 4.68 AZL 81.46 MCA 190.46 SMA 130.48 ECC .17452 INC 8.5401 V1 29.570
 RP 108.10 LAP -1.55 LOP 49.32 VP 37.924 GAP -1.88 AZP 98.40 TAL 156.83 TAP 347.30 RCA 107.71 APO 153.25 V2 35.056
 RC 74.652 GL 51.50 GP -72.77 ZAL 69.84 ZAP 82.63 ETS 24.89 ZAE 112.66 ETE 278.38 ZAC 106.67 ETC 354.54 CLP -64.34

PLANETOCENTRIC CONIC
 C3 26.627 VML 5.160 DLA 52.38 RAL 193.30 RAD 6568.1 VEL 12.166 PTH 2.18 VHP 7.859 DPA -55.37 RAP 126.80 ECC 1.4382
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 43.90 23 20 42 4387.61 -30.86 209.17 75.90 45.32 24 33 50 3787.6 -36.30 202.54
 136.10 8 6 51 2824.56 -30.85 84.78 75.88 45.32 8 53 55 2224.6 -36.29 78.15
 43.90 23 20 42 4387.61 -30.86 209.17 75.90 45.32 24 33 50 3787.6 -36.30 202.54
 136.10 8 6 51 2824.56 -30.85 84.78 75.88 45.32 8 53 55 2224.6 -36.29 78.15
 43.90 23 20 42 4387.61 -30.86 209.17 75.90 45.32 24 33 50 3787.6 -36.30 202.54
 136.10 8 6 51 2824.56 -30.85 84.78 75.88 45.32 8 53 55 2224.6 -36.29 78.15

MID-COURSE EXECUTION ACCURACY
 SGT 989.1 SGR 4812.5 SG3 324.2 ST 688.3 SR 1475.1 SS 810.2
 RRT -.7803 RRF .9990 RTF -.7970 CRT -.6041 CRS -.9930 CST .6939
 SGB 4913.1 R23 .0076 R13 .9993 LSA 1740.7 MSA 525.2 SSA 2.7
 SGI 4875.0 SG2 610.7 TMA 99.26 EL1 1540.7 EL2 525.1 ALF 107.89

DIFFERENTIAL CORRECTIONS
 TDE .5865 TRA -.4083 TC3 -.0487 BAU .3720
 ROE -.4167 RRA 2.5659 RC3 -1.0438 FAU .02754
 FDE -.4551 FRA 1.9800 FC3 -.8953 BSP 15344
 BDE .7194 BRA 2.5982 BC3 1.0449 FSP -1038

LAUNCH DATE APR 30 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 17 1967

MELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 27.294 GAL 4.68 AZL 84.16 MCA 193.63 SMA 130.55 ECC .17401 INC 5.8404 V1 29.570
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.944 GAP -1.43 AZP 95.68 TAL 156.70 TAP 350.33 RCA 107.83 APO 153.27 V2 35.069
 RC 76.795 GL 42.00 GP -66.46 ZAL 64.47 ZAP 83.51 ETS 16.10 ZAE 118.83 ETE 271.05 ZAC 109.57 ETC 351.58 CLP -73.57

PLANETOCENTRIC CONIC
 C3 17.117 VML 4.137 DLA 43.89 RAL 186.61 RAD 6567.7 VEL 11.769 PTH 2.08 VHP 6.316 DPA -49.11 RAP 130.45 ECC 1.2817
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.94 23 32 2 4187.62 -30.79 189.63 58.36 57.02 24 41 50 3587.6 -34.89 181.86
 125.06 7 2 10 2812.17 -30.78 83.52 58.35 57.01 7 49 2 2212.2 -34.88 75.75
 54.94 23 32 2 4187.62 -30.79 189.63 58.36 57.02 24 41 50 3587.6 -34.89 181.86
 125.06 7 2 10 2812.17 -30.78 83.52 58.35 57.01 7 49 2 2212.2 -34.88 75.75
 54.94 23 32 2 4187.62 -30.79 189.63 58.36 57.02 24 41 50 3587.6 -34.89 181.86
 125.06 7 2 10 2812.17 -30.78 83.52 58.35 57.01 7 49 2 2212.2 -34.88 75.75

MID-COURSE EXECUTION ACCURACY
 SGT 573.4 SGR 4778.6 SG3 467.0 ST 503.8 SR 1413.5 SS 895.2
 RRT -.1427 RRF .9990 RTF -.1584 CRT -.3487 CRS -.9939 CST .4498
 SGB 4812.9 R23 .0139 R13 .9990 LSA 1682.7 MSA 470.6 SSA 3.8
 SGI 4779.3 SG2 567.5 TMA 90.99 EL1 1425.7 EL2 468.1 ALF 97.95

DIFFERENTIAL CORRECTIONS
 TDE .3627 TRA -.0646 TC3 -.2986 BAU .4185
 ROE -.2847 RRA 2.3532 RC3 -1.8045 FAU .04370
 FDE -.4538 FRA 2.6264 FC3 -2.2104 BSP 15015
 BDE .4611 BRA 2.3541 BC3 1.8290 FSP -1494

LAUNCH DATE APR 30 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 19 1967

MELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 27.302 GAL 4.70 AZL 85.86 MCA 196.81 SMA 130.61 ECC .17374 INC 4.1443 V1 29.570
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.961 GAP -.98 AZP 93.97 TAL 156.56 TAP 353.37 RCA 107.91 APO 153.30 V2 35.082
 RC 78.958 GL 33.09 GP -61.03 ZAL 60.17 ZAP 85.54 ETS 9.36 ZAE 123.84 ETE 264.75 ZAC 112.27 ETC 350.22 CLP -80.76

PLANETOCENTRIC CONIC
 C3 12.973 VML 3.602 DLA 35.80 RAL 181.66 RAD 6567.5 VEL 11.591 PTH 2.03 VHP 5.396 DPA -43.55 RAP 132.37 ECC 1.2135
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 67.12 0 13 12 3963.85 -27.37 168.68 45.80 65.97 1 19 16 3363.9 -30.37 160.62
 112.88 5 45 24 2912.18 -27.36 89.79 45.80 65.96 6 33 56 2312.2 -30.36 81.74
 67.12 0 13 12 3963.85 -27.37 168.68 45.80 65.97 1 19 16 3363.9 -30.37 160.62
 112.88 5 45 24 2912.18 -27.36 89.79 45.80 65.96 6 33 56 2312.2 -30.36 81.74
 67.12 0 13 12 3963.85 -27.37 168.68 45.80 65.97 1 19 16 3363.9 -30.37 160.62
 112.88 5 45 24 2912.18 -27.36 89.79 45.80 65.96 6 33 56 2312.2 -30.36 81.74

MID-COURSE EXECUTION ACCURACY
 SGT 731.6 SGR 4634.7 SG3 615.9 ST 391.8 SR 1361.9 SS 1010.1
 RRT .6815 RRF .9989 RTF .6722 CRT -.0514 CRS -.9930 CST .1688
 SGB 4692.1 R23 .0241 R13 .9987 LSA 1693.3 MSA 401.6 SSA 5.0
 SGI 4661.8 SG2 532.3 TMA 83.78 EL1 1362.1 EL2 391.2 ALF 90.92

DIFFERENTIAL CORRECTIONS
 TDE .2357 TRA .1917 TC3 -.6987 BAU .4374
 ROE -.2895 RRA 2.1765 RC3 -2.4230 FAU .05958
 FDE -.6087 FRA 3.2913 FC3 -3.9759 BSP 14672
 BDE .3733 BRA 2.1849 BC3 2.5218 FSP -1981

LAUNCH DATE APR 30 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 464.131

RL 150.68 LAL .00 LOL 218.97 VL 27.307 GAL 4.73 AZL 87.02 MCA 200.00 SMA 130.64 ECC .17369 INC 2.9755 V1 29.570
 RP 107.98 LAP -1.02 LOP 58.95 VP 37.977 GAP -.53 AZP 92.80 TAL 156.39 TAP 356.39 RCA 107.95 APO 153.33 V2 35.094
 RC 81.139 GL 25.25 GP -56.19 ZAL 56.95 ZAP 88.48 ETS 3.70 ZAE 127.90 ETE 258.39 ZAC 114.92 ETC 349.50 CLP -87.26

PLANETOCENTRIC CONIC

C3 10.969 VHL 3.312 DLA 28.56 RAL 178.03 RAD 6567.4 VEL 11.505 PTH 2.00 VMP 4.805 DPA -38.47 RAP 133.27 ECC 1.1805
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 86.15 2 12 41 3506.85 -22.82 132.26 37.43 72.35 3 11 8 2906.8 -25.02 124.26
 93.85 3 16 59 3298.59 -22.81 117.01 37.42 72.33 4 11 57 2698.6 -25.01 109.01
 100.00 5 21 7 2898.99 -28.04 89.03 38.90 79.20 6 9 26 2299.0 -29.25 80.43
 100.00 2 51 14 3381.69 -17.77 121.05 35.36 65.56 3 47 36 2781.7 -20.92 113.67
 110.00 7 41 0 2461.08 -34.08 56.63 39.73 87.22 8 22 1 1861.1 -34.09 47.39
 110.00 2 47 51 3392.36 -12.41 118.87 32.38 57.89 3 44 23 2792.4 -16.57 112.23

DIFFERENTIAL CORRECTIONS

TDE .1274 TRA .4212 TC3-1.1924 BAU .4464
 RDE -.3383 RRA 2.0180 RC3-2.8009 FAU .07419
 FDE -.8829 FRA 3.9251 FC3-5.8556 BSP 14301
 BDE .3615 BRA 2.0615 BC3 3.0441 FSP -2454

MID-COURSE EXECUTION ACCURACY

SGT 1166.4 SGR 4425.1 SG3 758.9
 RRT .8977 RRF .9987 RTF .8921
 SGB 4576.3 R23 .0362 R13 .9981
 SG1 4548.9 SG2 500.0 TMA 76.52

ORBIT DETERMINATION ACCURACY

ST 333.3 SR 1329.4 SS 1153.9
 CRT .3815 CRS -.9921 CST -.2625
 LSA 1760.5 MSA 332.4 SSA 6.3
 EL1 1335.8 EL2 306.6 ALF 84.23

LAUNCH DATE APR 30 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 470.490

RL 150.68 LAL .00 LOL 218.97 VL 27.310 GAL 4.77 AZL 87.88 MCA 203.21 SMA 130.66 ECC .17388 INC 2.1173 V1 29.570
 RP 107.94 LAP -.83 LOP 62.17 VP 37.990 GAP -.09 AZP 91.95 TAL 156.18 TAP 359.39 RCA 107.94 APO 153.38 V2 35.107
 RC 83.336 GL 18.57 GP -51.78 ZAL 54.64 ZAP 92.10 ETS 358.88 ZAE 131.10 ETE 251.74 ZAC 117.52 ETC 349.21 CLP -93.40

PLANETOCENTRIC CONIC

C3 9.967 VHL 3.157 DLA 22.31 RAL 175.36 RAD 6567.4 VEL 11.461 PTH 1.99 VMP 4.413 DPA -33.75 RAP 133.57 ECC 1.1640
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 15 21 2842.17 -28.29 84.91 33.09 91.27 6 2 43 2242.2 -27.82 76.27
 90.00 23 49 5 3924.55 -8.73 156.49 28.39 62.96 24 54 29 3324.6 -12.29 149.62
 100.00 6 52 51 2527.76 -29.72 61.71 33.02 93.38 7 34 59 1927.8 -28.93 52.99
 100.00 0 58 11 3714.20 -7.47 140.36 27.71 60.97 2 0 5 3114.2 -11.29 133.65
 110.00 8 34 31 2209.71 -33.19 37.12 32.59 98.69 9 11 20 1609.7 -31.63 28.24
 110.00 1 33 1 3605.01 -4.50 130.25 25.88 56.08 2 33 6 3005.0 -8.92 123.95

DIFFERENTIAL CORRECTIONS

TDE .0158 TRA .6388 TC3-1.7165 BAU .4530
 RDE -.3895 RRA 1.8690 RC3-2.9348 FAU .08661
 FDE -1.2296 FRA 4.4922 FC3-7.5231 BSP 13957
 BDE -.3898 BRA 1.9752 BC3 3.3999 FSP -2877

MID-COURSE EXECUTION ACCURACY

SGT 1657.1 SGR 4168.5 SG3 886.2
 RRT .9530 RRF .9985 RTF .9489
 SGB 4485.8 R23 .0489 R13 .9973
 SG1 4461.2 SG2 469.2 TMA 69.01

ORBIT DETERMINATION ACCURACY

ST 378.4 SR 1308.7 SS 1320.2
 CRT .7976 CRS -.9916 CST -7.7131
 LSA 1877.4 MSA 272.5 SSA 7.9
 EL1 1344.0 EL2 222.2 ALF 76.64

LAUNCH DATE APR 30 1967

FLIGHT TIME 178.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 476.833

RL 150.68 LAL .00 LOL 218.97 VL 27.310 GAL 4.83 AZL 88.54 MCA 206.42 SMA 130.67 ECC .17430 INC 1.4569 V1 29.570
 RP 107.91 LAP -.65 LOP 65.38 VP 38.002 GAP .35 AZP 91.30 TAL 155.95 TAP 2.37 RCA 107.89 APO 153.44 V2 35.119
 RC 85.546 GL 12.98 GP -47.70 ZAL 53.01 ZAP 96.21 ETS 354.78 ZAE 133.49 ETE 244.82 ZAC 120.06 ETC 349.28 CLP -99.26

PLANETOCENTRIC CONIC

C3 9.494 VHL 3.081 DLA 17.01 RAL 173.38 RAD 6567.3 VEL 11.440 PTH 1.98 VMP 4.153 DPA -29.33 RAP 133.50 ECC 1.1562
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 7 16 2611.15 -26.80 68.20 28.43 99.50 6 50 48 2011.2 -25.22 59.89
 90.00 22 41 21 4136.37 -2.01 168.43 24.24 61.75 23 50 17 3536.4 -5.78 161.77
 100.00 7 38 21 2317.43 -27.88 46.37 28.21 101.24 8 16 59 1717.4 -26.05 38.05
 100.00 23 52 57 3905.33 -1.05 150.91 23.70 60.12 24 58 2 3305.3 -5.02 144.37
 110.00 9 8 4 2036.73 -30.67 24.28 27.44 105.89 9 42 1 1436.7 -28.19 15.96
 110.00 0 43 40 3758.79 1.38 138.28 22.18 55.84 1 46 18 3158.8 -3.11 132.08

DIFFERENTIAL CORRECTIONS

TDE -.1048 TRA .8483 TC3-2.2190 BAU .4622
 RDE -.4300 RRA 1.7233 RC3-2.8877 FAU .09657
 FDE -1.6118 FRA 4.9577 FC3-8.8055 BSP 13747
 BDE .4426 BRA 1.9208 BC3 3.6418 FSP -3235

MID-COURSE EXECUTION ACCURACY

SGT 2151.6 SGR 3877.6 SG3 990.3
 RRT .9730 RRF .9981 RTF .9695
 SGB 4434.6 R23 .0610 R13 .9963
 SG1 4413.0 SG2 436.7 TMA 61.33

ORBIT DETERMINATION ACCURACY

ST 533.5 SR 1285.7 SS 1495.7
 CRT .9558 CRS -.9914 CST -.9094
 LSA 2030.5 MSA 227.6 SSA 9.4
 EL1 1384.3 EL2 145.6 ALF 68.11

LAUNCH DATE APR 30 1967

FLIGHT TIME 180.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 483.160

RL 150.68 LAL .00 LOL 218.97 VL 27.309 GAL 4.90 AZL 89.07 MCA 209.63 SMA 130.66 ECC .17495 INC .9302 V1 29.570
 RP 107.87 LAP -.46 LOP 68.60 VP 38.012 GAP .79 AZP 90.81 TAL 155.68 TAP 5.31 RCA 107.80 APO 153.52 V2 35.131
 RC 87.767 GL 8.32 GP -43.90 ZAL 51.85 ZAP 100.62 ETS 351.32 ZAE 135.10 ETE 237.81 ZAC 122.46 ETC 349.72 CLP -104.82

PLANETOCENTRIC CONIC

C3 9.329 VHL 3.054 DLA 12.54 RAL 171.92 RAD 6567.3 VEL 11.433 PTH 1.98 VMP 3.987 DPA -25.20 RAP 133.25 ECC 1.1535
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 42 10 2448.56 -24.47 56.87 25.17 104.71 7 22 59 1848.6 -22.21 48.92
 90.00 21 54 46 4292.12 3.01 177.12 21.90 61.83 23 6 18 3692.1 -.78 170.49
 100.00 8 9 58 2165.42 -25.41 35.75 24.88 106.30 8 46 3 1565.4 -22.93 27.83
 100.00 23 9 39 4050.50 3.86 158.89 21.43 60.34 24 17 10 3450.5 -.12 152.36
 110.00 9 32 46 1906.34 -27.88 15.16 23.96 110.63 10 4 32 1306.3 -24.82 7.33
 110.00 0 7 17 3882.34 6.08 144.76 20.06 56.30 1 11 59 3282.3 1.61 138.52

DIFFERENTIAL CORRECTIONS

TDE -.2355 TRA 1.0496 TC3-2.6706 BAU .4752
 RDE -.4541 RRA 1.5811 RC3-2.7171 FAU .10362
 FDE -1.9915 FRA 5.3042 FC3-9.6153 BSP 13709
 BDE .5116 BRA 1.8977 BC3 3.8098 FSP -3513

MID-COURSE EXECUTION ACCURACY

SGT 2631.5 SGR 3563.4 SG3 1066.5
 RRT .9819 RRF .9976 RTF .9788
 SGB 4431.4 R23 .0705 R13 .9951
 SG1 4413.0 SG2 402.9 TMA 93.72

ORBIT DETERMINATION ACCURACY

ST 750.8 SR 1248.6 SS 1664.3
 CRT .9924 CRS -.9911 CST -.9675
 LSA 2203.1 MSA 197.1 SSA 10.9
 EL1 1454.8 EL2 79.4 ALF 59.07

LAUNCH DATE APR 30 1967

FLIGHT TIME 182.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 27.306 GAL 4.98 AZL 89.50 MCA 212.85 SMA 130.64 ECC .17583 INC .4977 V1 29.570
 RP 107.83 LAP -.27 LOP 71.82 VP 38.021 GAP 1.23 AZP 90.42 TAL 155.38 TAP 8.22 RCA 107.67 APO 153.61 V2 35.143
 RC 89.996 GL 4.43 GP -40.35 ZAL 50.97 ZAP 105.17 ETS 348.46 ZAE 135.98 ETE 230.97 ZAC 124.65 ETC 350.52 CLP-110.08

PLANETOCENTRIC CONIC
 C3 9.361 VHL 3.060 DLA 8.77 RAL 170.85 RAD 6567.3 VEL 11.435 PTH 1.98 VMP 3.893 DPA -21.35 RAP 132.93 ECC 1.1541
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 8 52 2324.25 -22.07 48.55 23.02 108.21 7 47 36 1724.2 -19.38 40.91
 90.00 21 19 33 4417.75 7.01 184.19 20.66 62.49 22 33 11 3817.8 3.27 177.50
 100.00 8 34 28 2048.14 -22.94 27.92 22.70 109.71 9 8 36 1448.1 -20.04 20.32
 100.00 22 36 38 4169.09 7.82 165.47 20.23 61.06 23 46 7 3569.1 3.90 158.87
 110.00 9 52 26 1804.16 -25.24 8.39 21.69 113.85 10 22 30 1204.2 -21.80 .92
 110.00 23 35 9 3985.84 9.95 150.27 18.94 57.13 24 41 35 3385.8 5.55 143.94

DIFFERENTIAL CORRECTIONS
 TDE -.3741 TRA 1.2432 TC3-3.0531 BAU .4919
 RDE -.4614 RRA 1.4454 RC3-2.4754 FAU .10764
 FDE-2.3387 FRA 5.5312 FC3-9.9554 BSP 13830
 BDE .5940 BRA 1.9065 BC3 3.9305 FSP -3697

MID-COURSE EXECUTION ACCURACY
 SGT 3087.1 SGR 3246.8 SG3 1113.6
 RRT .9864 RRF .9968 RTF .9836
 SGB 4480.2 R23 .0759 R13 .9939
 SG1 4464.9 SG2 369.2 TMA 46.46

ORBIT DETERMINATION ACCURACY
 ST 996.7 SR 1193.2 SS 1814.3
 CRT .9994 CRS -.9905 CST -.9859
 LSA 2382.6 MSA 178.5 SSA 12.1
 EL1 1554.5 EL2 26.5 ALF 50.13

LAUNCH DATE APR 30 1967

FLIGHT TIME 184.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 27.301 GAL 5.08 AZL 89.87 MCA 216.07 SMA 130.60 ECC .17692 INC .1331 V1 29.570
 RP 107.80 LAP -.08 LOP 75.04 VP 38.028 GAP 1.66 AZP 90.11 TAL 155.04 TAP 11.11 RCA 107.50 APO 153.71 V2 35.154
 RC 92.232 GL 1.19 GP -37.05 ZAL 50.27 ZAP 109.73 ETS 346.11 ZAE 136.23 ETE 224.92 ZAC 126.58 ETC 351.63 CLP-115.02

PLANETOCENTRIC CONIC
 C3 9.529 VHL 3.087 DLA 5.56 RAL 170.09 RAD 6567.3 VEL 11.442 PTH 1.98 VMP 3.854 DPA -17.80 RAP 132.64 ECC 1.1568
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 30 41 2225.47 -19.83 42.17 21.70 110.64 8 7 47 1625.5 -16.85 34.77
 90.00 20 51 42 4523.47 10.28 190.23 20.17 63.47 22 7 6 3923.5 6.64 183.45
 100.00 8 54 39 1954.64 -20.67 21.91 21.36 112.09 9 27 14 1354.6 -17.49 14.55
 100.00 22 10 25 4269.54 11.08 171.14 19.75 62.06 23 21 35 3669.5 7.25 164.44
 110.00 10 8 55 1722.23 -22.89 3.19 20.29 116.11 10 37 37 1122.2 -19.19 356.01
 110.00 23 12 39 4074.71 13.19 155.12 18.51 58.17 24 20 34 3474.7 8.89 148.66

DIFFERENTIAL CORRECTIONS
 TDE -.5181 TRA 1.4294 TC3-3.3600 BAU .5117
 RDE -.4531 RRA 1.3184 RC3-2.2017 FAU .10875
 FDE-2.6304 FRA 5.6465 FC3-9.8804 BSP 14110
 BDE .6883 BRA 1.9445 BC3 4.0171 FSP -3787

MID-COURSE EXECUTION ACCURACY
 SGT 3511.9 SGR 2932.5 SG3 1132.9
 RRT .9887 RRF .9957 RTF .9863
 SGB 4575.3 R23 .0760 R13 .9929
 SG1 4562.7 SG2 338.6 TMA 39.80

ORBIT DETERMINATION ACCURACY
 ST 1252.3 SR 1119.3 SS 1937.2
 CRT .9996 CRS -.9894 CST -.9927
 LSA 2558.4 MSA 168.1 SSA 12.9
 EL1 1679.5 EL2 24.6 ALF 41.79

LAUNCH DATE APR 30 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 27.294 GAL 5.20 AZL 90.18 MCA 219.29 SMA 130.56 ECC .17825 INC .1757 V1 29.570
 RP 107.77 LAP .11 LOP 78.27 VP 38.033 GAP 2.10 AZP 89.86 TAL 154.66 TAP 13.96 RCA 107.28 APO 153.83 V2 35.165
 RC 94.474 GL -1.53 GP -34.00 ZAL 49.66 ZAP 114.20 ETS 344.20 ZAE 135.97 ETE 218.67 ZAC 128.19 ETC 353.01 CLP-119.63

PLANETOCENTRIC CONIC
 C3 9.799 VHL 3.130 DLA 2.81 RAL 169.59 RAD 6567.4 VEL 11.454 PTH 1.99 VMP 3.860 DPA -14.56 RAP 132.44 ECC 1.1613
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 49 19 2145.18 -17.83 37.13 21.00 112.37 8 25 4 1545.2 -14.64 29.91
 90.00 20 29 5 4614.81 13.00 195.56 20.20 64.62 21 46 0 4014.8 9.48 188.65
 100.00 9 11 58 1878.58 -18.65 17.16 20.63 113.80 9 43 17 1278.6 -15.27 9.99
 100.00 21 49 7 4356.64 13.81 176.17 19.80 63.22 23 1 43 3756.6 10.10 169.34
 110.00 10 23 14 1655.56 -20.83 359.11 19.51 117.74 10 50 49 1055.6 -16.95 352.13
 110.00 22 54 21 4152.42 15.93 159.46 18.59 59.35 24 3 33 3552.4 11.75 152.86

DIFFERENTIAL CORRECTIONS
 TDE -.6661 TRA 1.6083 TC3-3.5934 BAU .5341
 RDE -.4337 RRA 1.2012 RC3-1.9260 FAU .10739
 FDE-2.8619 FRA 5.6635 FC3-9.4872 BSP 14528
 BDE .7949 BRA 2.0074 BC3 4.0770 FSP -3795

MID-COURSE EXECUTION ACCURACY
 SGT 3903.1 SGR 2632.4 SG3 1128.0
 RRT .9897 RRF .9942 RTF .9879
 SGB 4707.9 R23 .0707 R13 .9921
 SG1 4697.4 SG2 313.8 TMA 33.89

ORBIT DETERMINATION ACCURACY
 ST 1507.6 SR 1033.2 SS 2033.2
 CRT .9977 CRS -.9876 CST -.9957
 LSA 2729.0 MSA 163.2 SSA 13.5
 EL1 1826.8 EL2 57.2 ALF 34.40

LAUNCH DATE APR 30 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 27.286 GAL 5.32 AZL 90.45 MCA 222.52 SMA 130.50 ECC .17980 INC .4476 V1 29.570
 RP 107.73 LAP .30 LOP 81.49 VP 38.037 GAP 2.53 AZP 89.67 TAL 154.25 TAP 16.77 RCA 107.03 APO 153.96 V2 35.175
 RC 96.719 GL -3.82 GP -31.20 ZAL 49.09 ZAP 118.51 ETS 342.65 ZAE 135.32 ETE 213.51 ZAC 129.47 ETC 354.59 CLP-123.92

PLANETOCENTRIC CONIC
 C3 10.155 VHL 3.187 DLA .45 RAL 169.30 RAD 6567.4 VEL 11.469 PTH 1.99 VMP 3.904 DPA -11.62 RAP 132.36 ECC 1.1671
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 5 42 2078.95 -16.06 33.07 20.77 113.64 8 40 21 1479.0 -12.73 25.98
 90.00 20 10 23 4695.22 15.30 200.35 20.64 65.88 21 28 38 4095.2 11.91 193.31
 100.00 9 27 15 1815.90 -16.88 13.34 20.39 115.04 9 57 31 1215.9 -13.37 6.31
 100.00 21 31 31 4433.50 16.11 180.71 20.25 64.48 22 45 24 3833.5 12.55 173.74
 110.00 10 35 59 1600.79 -19.06 355.85 19.22 118.93 11 2 40 1000.8 -15.06 349.02
 110.00 22 39 17 4221.38 18.28 163.43 19.07 60.60 23 49 38 3621.4 14.23 156.66

DIFFERENTIAL CORRECTIONS
 TDE -.8140 TRA 1.7837 TC3-3.7508 BAU .5568
 RDE -.4041 RRA 1.0967 RC3-1.6596 FAU .10368
 FDE-3.0200 FRA 5.6105 FC3-8.8396 BSP 15001
 BDE .9088 BRA 2.0939 BC3 4.1015 FSP -3719

MID-COURSE EXECUTION ACCURACY
 SGT 4259.4 SGR 2352.7 SG3 1103.1
 RRT .9895 RRF .9920 RTF .9888
 SGB 4866.0 R23 .0609 R13 .9914
 SG1 4856.8 SG2 297.8 TMA 28.78

ORBIT DETERMINATION ACCURACY
 ST 1753.0 SR 937.5 SS 2097.4
 CRT .9948 CRS -.9847 CST -.9972
 LSA 2885.2 MSA 161.8 SSA 13.9
 EL1 1986.1 EL2 84.2 ALF 20.07

LAUNCH DATE APR 30 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 514.501

RL 150.68 LAL .00 LOL 218.97 VL 27.277 GAL 5.47 AZL 90.69 MCA 225.75 SMA 130.43 ECC .18158 INC .6880 V1 29.570
 RP 107.70 LAP .49 LOP 84.72 VP 38.039 GAP 2.97 AZP 89.52 TAL 153.81 TAP 19.56 RCA 106.75 APO 154.11 V2 35.185
 RC 98.967 GL -5.75 GP -28.65 ZAL 48.54 ZAP 122.61 ETS 341.39 ZAE 134.41 ETE 209.06 ZAC 130.39 ETC 356.28 CLP-127.89

PLANETOCENTRIC CONIC

C3 10.584 VML 3.253 DLA -1.60 RAL 169.19 RAD 6567.4 VEL 11.488 PTH 2.00 VMP 3.978 DPA -9.00 RAP 132.44 ECC 1.1742
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 20 26 2023.82 -14.53 29.75 20.91 114.57 8 54 10 1423.8 -11.09 22.76
 90.00 19 54 44 4767.07 17.25 204.72 21.40 67.19 21 14 12 4167.1 14.01 197.54
 100.00 9 41 2 1763.83 -15.35 10.23 20.51 115.97 10 10 26 1163.8 -11.74 3.31
 100.00 21 16 50 4502.29 18.08 184.87 21.01 65.78 22 31 52 3902.3 14.66 177.75
 110.00 10 47 34 1555.55 -17.55 353.21 19.30 119.82 11 13 30 955.5 -13.45 346.50
 110.00 22 26 47 4283.33 20.31 167.09 19.85 61.90 23 38 10 3683.3 16.40 160.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.9643 TRA 1.9522 TC3-3.8535 BAU .5814 SGT 4582.7 SGR 2098.1 SG3 1064.1 ST 1988.6 SR 841.5 SS 2141.5
 RDE -.3710 RRA 1.0019 RC3-1.4247 FAU .09895 RRT .9886 RRF .9891 RTF .9893 CRT .9909 CRS -.9808 CST -.9980
 FDE-3.1293 FRA 5.4905 FC3-8.0934 BSP 15601 SGB 5040.1 R23 .0478 R13 .9909 LSA 3036.8 MSA 162.5 SSA 14.1
 BDE 1.0332 BRA 2.1943 BC3 4.1084 FSP -3611 SG1 5031.9 SG2 287.9 TMA 24.44 EL1 2156.8 EL2 104.5 ALF 22.81

LAUNCH DATE APR 30 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 520.705

RL 150.68 LAL .00 LOL 218.97 VL 27.266 GAL 5.63 AZL 90.90 MCA 228.98 SMA 130.35 ECC .18359 INC .9032 V1 29.570
 RP 107.67 LAP .68 LOP 87.95 VP 38.040 GAP 3.41 AZP 89.41 TAL 153.34 TAP 22.32 RCA 106.42 APO 154.29 V2 35.195
 RC 101.218 GL -7.38 GP -26.35 ZAL 47.97 ZAP 126.48 ETS 340.36 ZAE 133.33 ETE 205.29 ZAC 130.97 ETC 358.02 CLP-131.57

PLANETOCENTRIC CONIC

C3 11.085 VML 3.329 DLA -3.39 RAL 169.23 RAD 6567.4 VEL 11.510 PTH 2.00 VMP 4.079 DPA -6.67 RAP 132.67 ECC 1.1824
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 33 54 1977.69 -13.21 27.01 21.35 115.28 9 6 51 1377.7 -9.69 20.09
 90.00 19 41 35 4832.06 18.92 208.76 22.41 68.53 21 2 7 4232.1 15.83 201.44
 100.00 9 53 39 1720.40 -14.04 7.67 20.93 116.66 10 22 20 1120.4 -10.35 .83
 100.00 21 4 30 4564.59 19.78 188.72 22.03 67.12 22 20 35 3964.6 16.51 181.45
 110.00 10 58 16 1518.13 -16.27 351.06 19.68 120.49 11 23 34 918.1 -12.10 344.44
 110.00 22 16 23 4339.62 22.08 170.50 20.89 63.22 23 28 43 3739.6 18.31 163.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.1139 TRA 2.1188 TC3-3.8999 BAU .6054 SGT 4874.4 SGR 1869.9 SG3 1015.2 ST 2209.3 SR 746.5 SS 2162.6
 RDE -.3342 RRA .9189 RC3-1.2165 FAU .09317 RRT .9886 RRF .9851 RTF .9895 CRT .9854 CRS -.9750 CST -.9985
 FDE-3.1839 FRA 5.3343 FC3-7.2768 BSP 16226 SGB 5220.7 R23 .0336 R13 .9904 LSA 3176.2 MSA 164.4 SSA 14.2
 BDE 1.1629 BRA 2.3095 BC3 4.0853 FSP -3463 SG1 5212.9 SG2 285.4 TMA 20.80 EL1 2328.9 EL2 120.7 ALF 18.47

LAUNCH DATE APR 30 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 526.885

RL 150.68 LAL .00 LOL 218.97 VL 27.253 GAL 5.81 AZL 91.10 MCA 232.21 SMA 130.27 ECC .18584 INC 1.0984 V1 29.570
 RP 107.65 LAP .87 LOP 91.18 VP 38.039 GAP 3.85 AZP 89.33 TAL 152.83 TAP 25.04 RCA 106.06 APO 154.48 V2 35.204
 RC 103.470 GL -8.76 GP -24.27 ZAL 47.39 ZAP 130.11 ETS 339.51 ZAE 132.18 ETE 202.12 ZAC 131.22 ETC 359.73 CLP-134.97

PLANETOCENTRIC CONIC

C3 11.654 VML 3.414 DLA -4.96 RAL 169.39 RAD 6567.4 VEL 11.534 PTH 2.01 VMP 4.203 DPA -4.62 RAP 133.08 ECC 1.1918
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 46 21 1939.05 -12.07 24.74 22.04 115.81 9 18 40 1339.1 -8.50 17.88
 90.00 19 30 27 4891.49 20.35 212.53 23.63 69.88 20 51 59 4291.5 17.43 205.07
 100.00 10 5 21 1684.18 -12.93 5.56 21.60 117.19 10 33 25 1084.2 -9.18 358.78
 100.00 20 54 8 4621.59 21.25 192.32 23.27 68.46 22 11 10 4021.6 18.13 184.90
 110.00 11 8 15 1487.28 -15.20 349.32 20.30 120.99 11 33 2 887.3 -10.98 342.75
 110.00 22 7 44 4391.26 23.63 173.71 22.15 64.55 23 20 55 3791.3 20.00 166.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.2628 TRA 2.2839 TC3-3.9002 BAU .6288 SGT 5136.7 SGR 1667.7 SG3 960.5 ST 2414.6 SR 655.9 SS 2166.2
 RDE -.2960 RRA .8465 RC3-1.0368 FAU .08686 RRT .9834 RRF .9798 RTF .9896 CRT .9776 CRS -.9666 CST -.9989
 FDE-3.1967 FRA 5.1540 FC3-6.4524 BSP 16863 SGB 5400.7 R23 .0197 R13 .9901 LSA 3305.3 MSA 166.9 SSA 14.3
 BDE 1.2970 BRA 2.4355 BC3 4.0357 FSP -3293 SG1 5393.0 SG2 288.4 TMA 17.76 EL1 2498.6 EL2 133.5 ALF 14.91

LAUNCH DATE APR 30 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 533.040

RL 150.68 LAL .00 LOL 218.97 VL 27.240 GAL 6.00 AZL 91.28 MCA 235.45 SMA 130.18 ECC .18833 INC 1.2772 V1 29.570
 RP 107.62 LAP 1.05 LOP 94.42 VP 38.037 GAP 4.30 AZP 89.28 TAL 152.29 TAP 27.74 RCA 105.66 APO 154.69 V2 35.212
 RC 105.723 GL -9.92 GP -22.40 ZAL 46.77 ZAP 133.50 ETS 338.77 ZAE 131.00 ETE 199.47 ZAC 131.18 ETC 1.37 CLP-138.12

PLANETOCENTRIC CONIC

C3 12.296 VML 3.507 DLA -6.34 RAL 169.67 RAD 6567.5 VEL 11.562 PTH 2.02 VMP 4.346 DPA -2.85 RAP 133.64 ECC 1.2024
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 57 58 1906.79 -11.11 22.86 22.94 116.21 9 29 45 1306.8 -7.50 16.04
 90.00 19 21 3 4946.31 21.60 216.07 25.05 71.23 20 43 30 4346.3 18.83 208.48
 100.00 10 16 18 1654.10 -11.98 3.83 22.49 117.59 10 43 52 1054.1 -8.20 357.08
 100.00 20 45 25 4674.23 22.52 195.70 24.69 69.81 22 3 19 4074.2 19.57 188.15
 110.00 11 17 38 1462.03 -14.31 347.80 21.14 121.38 11 42 1 862.0 -10.05 341.39
 110.00 22 0 33 4439.07 24.99 176.78 23.59 65.88 23 14 32 3839.1 21.52 169.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.4100 TRA 2.4506 TC3-3.8987 BAU .6507 SGT 5372.4 SGR 1490.2 SG3 902.9 ST 2603.0 SR 571.1 SS 2153.8
 RDE -.2570 RRA .7841 RC3 -.8822 FAU .08021 RRT .9786 RRF .9729 RTF .9895 CRT .9661 CRS -.9544 CST -.9991
 FDE-3.1731 FRA 4.9652 FC3-5.6477 BSP 17476 SGB 5575.2 R23 .0076 R13 .9897 LSA 3422.2 MSA 169.9 SSA 14.3
 BDE 1.4332 BRA 2.5729 BC3 3.9582 FSP -3106 SG1 5567.4 SG2 295.6 TMA 15.23 EL1 2661.0 EL2 144.2 ALF 12.00

LAUNCH DATE APR 30 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 27.226 GAL 6.21 AZL 91.44 MCA 238.69 SMA 130.08 ECC .19107 INC 1.4428 V1 29.570
 RP 107.60 LAP 1.23 LOP 97.65 VP 38.034 GAP 4.75 A7P 89.25 TAL 151.72 TAP 30.41 RCA 105.22 APO 154.93 V2 35.220
 RC 107.975 GL -10.89 GP -20.74 ZAL 46.12 ZAP 136.65 ETS 338.12 ZAE 129.84 ETE 197.27 ZAC 130.88 ETC 2.91 CLP-141.04

PLANETOCENTRIC CONIC
 C3 13.013 VHL 3.607 DLA -7.56 RAL 170.05 RAD 6567.5 VEL 11.593 PTH 2.08 VMP 4.508 DPA -1.31 RAP 134.37 ECC 1.2142
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 8 54 1880.03 -10.30 21.31 24.02 116.52 9 40 14 1280.0 -6.66 14.53
 90.00 19 13 7 4997.30 22.67 219.42 26.62 72.57 20 36 25 4397.3 20.08 211.71
 100.00 10 26 36 1629.34 -11.20 2.41 23.55 117.90 10 53 46 1029.3 -7.38 355.70
 100.00 20 38 6 4723.23 23.64 198.92 26.28 71.15 21 56 49 4123.2 20.85 191.23
 110.00 11 26 33 1441.65 -13.58 346.77 22.15 121.68 11 50 35 841.7 -9.29 340.29
 110.00 21 54 39 4483.68 26.20 179.65 25.20 67.22 23 9 22 3883.7 22.88 172.07

DIFFERENTIAL CORRECTIONS
 TDE-1.5543 TRA 2.6212 TC3-3.7784 BAU .6701
 RDE -.2178 RRA .7307 RC3 -.7494 FAU .07337
 FDE-3.1195 FRA 4.7777 FC3-4.8811 BSP 18016
 BDE 1.5695 BRA 2.7212 BC3 3.8520 FSP -2905

MID-COURSE EXECUTION ACCURACY
 SGT 5582.6 SGR 1335.2 SG3 844.6
 RRT .9720 RRF .9639 RTF .9892
 SGB 5740.0 R23 -.0022 R13 .9893
 SGI 5731.9 SG2 305.6 TMA 13.13

ORBIT DETERMINATION ACCURACY
 ST 2772.9 SR 493.3 SS 2127.3
 CRT .9489 CRS -.9362 CST -.9992
 LSA 3525.3 MSA 173.3 SSA 14.3
 EL1 2812.3 EL2 153.4 ALF 9.61

LAUNCH DATE APR 30 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 27.210 GAL 6.44 AZL 91.60 MCA 241.93 SMA 129.97 ECC .19407 INC 1.5974 V1 29.570
 RP 107.58 LAP 1.41 LOP 100.89 VP 38.030 GAP 5.20 A7P 89.25 TAL 151.13 TAP 33.05 RCA 104.75 APO 155.19 V2 35.227
 RC 110.226 GL -11.70 GP -19.24 ZAL -45.45 ZAP 139.59 ETS 337.52 ZAE 128.72 ETE 195.43 ZAC 130.33 ETC 4.31 CLP-143.76

PLANETOCENTRIC CONIC
 C3 13.810 VHL 3.716 DLA -8.65 RAL 170.51 RAD 6567.5 VEL 11.627 PTH 2.04 VMP 4.685 DPA -.001 RAP 135.23 ECC 1.2273
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 19 13 1858.14 -9.63 20.05 25.26 116.76 9 50 12 1258.1 -5.96 13.29
 90.00 19 6 28 5045.06 23.61 222.60 28.34 73.90 20 30 33 4445.1 21.18 214.78
 100.00 10 36 22 1609.44 -10.56 1.26 24.77 118.13 11 3 11 1009.4 -6.72 354.58
 100.00 20 32 0 4769.15 24.61 201.98 28.00 72.48 21 51 30 4169.2 21.98 194.17
 110.00 11 35 2 1425.59 -13.00 345.88 23.32 121.89 11 58 47 825.6 -8.70 339.43
 110.00 21 49 50 4525.61 27.28 182.44 26.96 68.55 23 5 15 3925.6 24.12 174.70

DIFFERENTIAL CORRECTIONS
 TDE-1.7003 TRA 2.7932 TC3-3.6786 BAU .6894
 RDE -.1806 RRA .6841 RC3 -.6398 FAU .06699
 FDE-3.0549 FRA 4.5888 FC3-4.1992 BSP 18590
 BDE 1.7099 BRA 2.8758 BC3 3.7338 FSP -2720

MID-COURSE EXECUTION ACCURACY
 SGT 5772.6 SGR 1200.8 SG3 787.8
 RRT .9633 RRF .9526 RTF .9890
 SGB 5896.1 R23 -.0108 R13 .9889
 SGI 5887.7 SG2 316.0 TMA 11.36

ORBIT DETERMINATION ACCURACY
 ST 2930.3 SR 424.4 SS 2095.6
 CRT .9240 CRS -.9100 CST -.9993
 LSA 3623.2 MSA 176.4 SSA 14.3
 EL1 2956.5 EL2 160.9 ALF 7.65

LAUNCH DATE APR 30 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 27.194 GAL 6.69 AZL 91.74 MCA 245.17 SMA 129.86 ECC .19735 INC 1.7429 V1 29.570
 RP 107.56 LAP 1.58 LOP 104.13 VP 38.024 GAP 5.66 A7P 89.27 TAL 150.51 TAP 35.67 RCA 104.23 APO 155.48 V2 35.233
 RC 112.475 GL -12.37 GP -17.91 ZAL 44.74 ZAP 142.33 ETS 336.93 ZAE 127.66 ETE 193.90 ZAC 129.59 ETC 5.57 CLP-146.29

PLANETOCENTRIC CONIC
 C3 14.697 VHL 3.834 DLA -9.61 RAL 171.04 RAD 6567.6 VEL 11.665 PTH 2.05 VMP 4.877 DPA 1.10 RAP 136.24 ECC 1.2419
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 29 1 1840.60 -9.09 19.04 26.63 116.93 9 59 42 1240.6 -5.41 12.30
 90.00 19 0 55 5090.07 24.43 225.65 30.18 75.22 20 25 45 4490.1 22.16 217.71
 100.00 10 45 38 1593.43 -10.05 .36 26.12 118.30 11 12 12 993.4 -6.19 353.70
 100.00 20 26 59 4812.48 25.47 204.91 29.86 73.80 21 47 12 4212.5 23.00 196.98
 110.00 11 43 8 1413.38 -12.56 345.21 24.63 122.05 12 6 41 813.4 -8.24 338.78
 110.00 21 45 59 4565.29 28.23 185.13 28.85 69.88 23 2 4 3965.3 25.23 177.24

DIFFERENTIAL CORRECTIONS
 TDE-1.8454 TRA 2.9705 TC3-3.5559 BAU .7069
 RDE -.1443 RRA .6441 RC3 -.5471 FAU .06084
 FDE-2.9770 FRA 4.4085 FC3-3.5841 BSP 19120
 BDE 1.8510 BRA 3.0396 BC3 3.5977 FSP -2539

MID-COURSE EXECUTION ACCURACY
 SGT 5942.7 SGR 1084.3 SG3 733.2
 RRT .9520 RRF .9387 RTF .9886
 SGB 6040.8 R23 -.0177 R13 .9885
 SGI 6031.9 SG2 326.8 TMA 9.88

ORBIT DETERMINATION ACCURACY
 ST 3072.2 SR 363.9 SS 2056.8
 CRT .8867 CRS -.8713 CST -.9994
 LSA 3710.6 MSA 179.6 SSA 14.3
 EL1 3089.1 EL2 167.3 ALF 6.01

LAUNCH DATE APR 30 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC
 RL 150.68 LAL .00 LOL 218.97 VL 27.177 GAL 6.96 AZL 91.88 MCA 248.41 SMA 129.74 ECC .20091 INC 1.8811 V1 29.570
 RP 107.54 LAP 1.75 LOP 107.37 VP 38.017 GAP 6.13 A7P 89.31 TAL 149.86 TAP 38.27 RCA 103.67 APO 155.80 V2 35.239
 RC 114.720 GL -12.92 GP -16.72 ZAL 44.01 ZAP 144.88 ETS 336.33 ZAE 126.67 ETE 192.61 ZAC 128.66 ETC 6.68 CLP-148.66

PLANETOCENTRIC CONIC
 C3 15.681 VHL 3.960 DLA -10.47 RAL 171.63 RAD 6567.6 VEL 11.707 PTH 2.06 VMP 5.083 DPA 2.02 RAP 137.37 ECC 1.2581
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 38 20 1827.02 -8.67 18.27 28.13 117.06 10 8 47 1227.0 -4.97 11.54
 90.00 18 56 22 5132.74 25.14 228.57 32.14 76.52 20 21 54 4532.7 23.04 220.53
 100.00 10 54 28 1581.39 -9.66 359.68 27.61 118.43 11 20 49 981.4 -5.79 353.03
 100.00 20 22 55 4853.60 26.22 207.74 31.84 75.11 21 43 48 4253.6 23.92 199.70
 110.00 11 50 54 1404.69 -12.25 344.73 26.07 122.16 12 14 18 804.7 -7.91 338.32
 110.00 21 42 58 4603.06 29.09 187.73 30.85 71.20 22 59 41 4003.1 26.25 179.70

DIFFERENTIAL CORRECTIONS
 TDE-1.9902 TRA 3.1548 TC3-3.4147 BAU .7225
 RDE -.1091 RRA .6096 RC3 -.4685 FAU .05501
 FDE-2.8912 FRA 4.2396 FC3-3.0370 BSP 19615
 BDE 1.9932 BRA 3.2131 BC3 3.4466 FSP -2366

MID-COURSE EXECUTION ACCURACY
 SGT 6095.4 SGR 983.5 SG3 681.4
 RRT .9378 RRF .9216 RTF .9883
 SGB 6174.2 R23 -.0231 R13 .9881
 SGI 6165.0 SG2 337.5 TMA 8.63

ORBIT DETERMINATION ACCURACY
 ST 3199.8 SR 312.2 SS 2013.1
 CRT .8312 CRS -.8141 CST -.9995
 LSA 3788.8 MSA 182.8 SSA 14.2
 EL1 3210.3 EL2 173.0 ALF 4.65

LAUNCH DATE APR 30 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 563.388

RL 150.68 LAL .00 LOL 218.97 VL 27.159 GAL 7.25 AZL 92.01 MCA 251.65 SMA 129.61 ECC .20478 INC 2.0133 V1 29.570
 RP 107.52 LAP 1.91 LOP 110.61 VP 38.009 GAP 6.61 AZP 89.37 TAL 149.19 TAP 40.84 RCA 103.07 APO 156.16 V2 35.244
 RC 116.961 GL -13.36 GP -15.65 ZAL 43.25 ZAP 147.27 ETS 335.71 ZAE 125.74 ETE 191.52 ZAC 127.58 ETC 7.66 CLP-150.88

PLANETOCENTRIC CONIC

C3 16.773 VHL 4.095 DLA -11.23 RAL 172.28 RAD 6567.7 VEL 11.754 PTH 2.07 VHP 5.303 DPA 2.77 RAP 138.61 ECC 1.2760
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 47 12 1817.06 -8.36 17.70 29.74 117.15 10 17 29 1217.1 -4.66 10.98
 90.00 18 52 41 5173.39 25.75 231.39 34.21 77.80 20 18 54 4573.4 23.82 223.26
 100.00 11 2 53 1572.86 -9.38 359.20 29.20 118.51 11 29 6 972.9 -5.50 352.56
 100.00 20 19 40 4892.82 26.88 210.47 33.92 76.40 21 41 13 4292.8 24.74 202.32
 110.00 11 58 20 1399.23 -12.05 344.43 27.61 122.23 12 21 39 799.2 -7.71 338.03
 110.00 21 40 43 4639.22 29.86 190.27 32.98 72.53 22 58 2 4039.2 27.18 182.11

DIFFERENTIAL CORRECTIONS

TDE-2.1322 TRA 3.3498 TC3-3.2518 BAU .7347
 RDE -.0745 RRA .5802 RC3 -.4005 FAU .04928
 FDE-2.7959 FRA 4.0865 FC3-2.5438 BSP 19993
 BDE 2.1335 BRA 3.3997 BC3 3.2764 FSP -2191

MID-COURSE EXECUTION ACCURACY

SGT 6230.6 SGR 896.3 SG3 632.6
 RRT .9202 RRF .9013 RTF .9878
 SGB 6294.7 R23 -.0269 R13 .9877
 SG1 6285.1 SG2 347.9 TMA 7.56

ORBIT DETERMINATION ACCURACY

ST 3310.4 SR 269.5 SS 1963.4
 CRT .7484 CRS -.7297 CST -.9996
 LSA 3853.7 MSA 186.0 SSA 14.2
 EL1 3316.5 EL2 178.4 ALF 3.50

LAUNCH DATE APR 30 1967

FLIGHT TIME 208.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 569.357

RL 150.68 LAL .00 LOL 218.97 VL 27.140 GAL 7.57 AZL 92.14 MCA 254.89 SMA 129.49 ECC .20897 INC 2.1406 V1 29.570
 RP 107.51 LAP 2.07 LOP 113.86 VP 38.000 GAP 7.11 AZP 89.44 TAL 148.51 TAP 43.40 RCA 102.43 APO 156.55 V2 35.248
 RC 119.197 GL -13.71 GP -14.70 ZAL 42.47 ZAP 149.50 ETS 335.04 ZAE 124.88 ETE 190.60 ZAC 126.37 ETC 8.51 CLP-152.98

PLANETOCENTRIC CONIC

C3 17.986 VHL 4.241 DLA -11.91 RAL 172.98 RAD 6567.7 VEL 11.805 PTH 2.09 VHP 5.537 DPA 3.37 RAP 139.94 ECC 1.2960
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 55 38 1810.48 -8.16 17.32 31.46 117.21 10 25 49 1210.5 -4.45 10.61
 90.00 18 49 47 5212.30 26.28 234.12 36.37 79.07 20 16 40 4612.3 24.51 225.90
 100.00 11 10 55 1567.60 -9.21 358.90 30.89 118.56 11 37 3 967.6 -5.33 352.27
 100.00 20 17 11 4930.42 27.45 213.12 36.10 77.68 21 39 22 4330.4 25.48 204.87
 110.00 12 5 28 1396.77 -11.96 344.30 29.25 122.26 12 28 45 796.8 -7.62 337.90
 110.00 21 39 8 4674.02 30.54 192.75 35.20 73.85 22 57 2 4074.0 28.03 184.46

DIFFERENTIAL CORRECTIONS

TDE-2.2786 TRA 3.5501 TC3-3.0880 BAU .7471
 RDE -.0418 RRA .5540 RC3 -.3443 FAU .04425
 FDE-2.7080 FRA 3.9402 FC3-2.1297 BSP 20427
 BDE 2.2790 BRA 3.5930 BC3 3.1071 FSP -2041

MID-COURSE EXECUTION ACCURACY

SGT 6353.2 SGR 820.7 SG3 587.4
 RRT .8991 RRF .8773 RTF .9874
 SGB 6406.0 R23 -.0304 R13 .9873
 SG1 6396.0 SG2 356.9 TMA 6.65

ORBIT DETERMINATION ACCURACY

ST 3412.5 SR 236.5 SS 1915.4
 CRT .6342 CRS -.6139 CST -.9996
 LSA 3915.8 MSA 188.7 SSA 14.1
 EL1 3415.8 EL2 182.6 ALF 2.52

LAUNCH DATE APR 30 1967

FLIGHT TIME 210.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 575.286

RL 150.68 LAL .00 LOL 218.97 VL 27.121 GAL 7.90 AZL 92.26 MCA 258.14 SMA 129.35 ECC .21350 INC 2.2641 V1 29.570
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.989 GAP 7.61 AZP 89.53 TAL 147.80 TAP 45.94 RCA 101.74 APO 156.97 V2 35.252
 RC 121.426 GL -13.77 GP -13.85 ZAL 41.68 ZAP 151.60 ETS 334.29 ZAE 124.09 ETE 189.82 ZAC 125.04 ETC 9.25 CLP-154.95

PLANETOCENTRIC CONIC

C3 19.335 VHL 4.397 DLA -12.52 RAL 173.71 RAD 6567.8 VEL 11.862 PTH 2.10 VHP 5.784 DPA 3.83 RAP 141.37 ECC 1.3182
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 3 40 1807.07 -8.05 17.13 33.26 117.24 10 33 47 1207.1 -4.34 10.42
 90.00 18 47 36 5249.70 26.74 236.76 38.62 80.32 20 15 6 4649.7 25.13 228.46
 100.00 11 18 35 1565.39 -9.14 358.78 32.68 118.58 11 44 40 965.4 -5.25 352.15
 100.00 20 15 23 4966.61 27.95 215.69 38.37 78.95 21 38 10 4366.6 26.14 207.35
 110.00 12 12 19 1397.11 -11.97 344.32 30.99 122.26 12 35 36 797.1 -7.63 337.92
 110.00 21 38 9 4707.65 31.15 195.18 37.53 75.17 22 56 36 4107.7 28.80 186.76

DIFFERENTIAL CORRECTIONS

TDE-2.4260 TRA 3.7603 TC3-2.9156 BAU .7575
 RDE -.0098 RRA .5308 RC3 -.2961 FAU .03953
 FDE-2.6159 FRA 3.8063 FC3-1.9701 BSP 20823
 BDE 2.4260 BRA 3.7975 BC3 2.9306 FSP -1899

MID-COURSE EXECUTION ACCURACY

SGT 6461.9 SGR 754.9 SG3 545.4
 RRT .8740 RRF .8495 RTF .9870
 SGB 6505.9 R23 -.0330 R13 .9869
 SG1 6495.6 SG2 364.9 TMA 5.85

ORBIT DETERMINATION ACCURACY

ST 3502.2 SR 213.1 SS 1866.0
 CRT .4838 CRS -.4623 CST -.9997
 LSA 3969.4 MSA 191.2 SSA 14.0
 EL1 3503.7 EL2 186.4 ALF 1.69

LAUNCH DATE APR 30 1967

FLIGHT TIME 212.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 581.171

RL 150.68 LAL .00 LOL 218.97 VL 27.101 GAL 8.27 AZL 92.38 MCA 261.38 SMA 129.22 ECC .21841 INC 2.3847 V1 29.570
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.978 GAP 8.13 AZP 89.64 TAL 147.09 TAP 48.47 RCA 101.00 APO 157.44 V2 35.255
 RC 123.648 GL -14.15 GP -13.08 ZAL 40.87 ZAP 153.57 ETS 333.46 ZAE 123.35 ETE 189.14 ZAC 123.61 ETC 9.88 CLP-156.83

PLANETOCENTRIC CONIC

C3 20.838 VHL 4.565 DLA -13.05 RAL 174.48 RAD 6567.8 VEL 11.926 PTH 2.12 VHP 6.045 DPA 4.17 RAP 142.87 ECC 1.3429
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 11 19 1806.64 -8.04 17.10 35.15 117.24 10 41 25 1206.6 -4.32 10.39
 90.00 18 46 4 5285.78 27.13 239.33 40.96 81.55 20 14 10 4685.8 25.68 230.96
 100.00 11 25 52 1566.07 -9.16 358.82 34.55 118.58 11 51 58 966.1 -5.28 352.18
 100.00 20 14 11 5001.58 28.38 218.20 40.73 80.20 21 37 33 4401.6 26.74 209.78
 110.00 12 18 52 1400.11 -12.08 344.48 32.81 122.22 12 42 12 800.1 -7.74 338.07
 110.00 21 37 41 4740.30 31.70 197.57 39.94 76.48 22 56 42 4140.3 29.52 189.04

DIFFERENTIAL CORRECTIONS

TDE-2.5754 TRA 3.9822 TC3-2.7372 BAU .7658
 RDE .0214 RRA .5101 RC3 -.2545 FAU .03514
 FDE-2.5281 FRA 3.6850 FC3-1.4597 BSP 21182
 BDE 2.5755 BRA 4.0148 BC3 2.7490 FSP -1768

MID-COURSE EXECUTION ACCURACY

SGT 6558.9 SGR 697.7 SG3 506.6
 RRT .8449 RRF .8177 RTF .9866
 SGB 6595.9 R23 -.0349 R13 .9865
 SG1 6585.4 SG2 371.6 TMA 5.15

ORBIT DETERMINATION ACCURACY

ST 3581.0 SR 199.1 SS 1816.7
 CRT .3048 CRS -.2830 CST -.9997
 LSA 4015.8 MSA 193.5 SSA 13.9
 EL1 3581.5 EL2 189.6 ALF .97

LAUNCH DATE APR 30 1967

FLIGHT TIME 214.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 587.008

RL 150.68 LAL .00 LOL 218.97 VL 27.081 GAL 8.66 AZL 92.50 MCA 264.63 SMA 129.08 ECC .22371 INC 2.5033 V1 29.570
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.965 GAP 8.66 AZP 89.77 TAL 146.35 TAP 50.98 RCA 100.20 APO 157.96 V2 35.257
 RC 125.861 GL -14.27 GP -12.39 ZAL 40.05 ZAP 155.44 ETS 332.53 ZAE 122.66 ETE 188.56 ZAC 122.10 ETC 10.41 CLP-158.62

PLANETOCENTRIC CONIC

C3 22.515 VML 4.745 DLA -13.52 RAL 175.27 RAD 6567.9 VEL 11.996 PTH 2.14 VHP 6.321 DPA 4.40 RAP 144.44 ECC 1.3705
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 18 33 1809.06 -8.11 17.24 37.12 117.22 10 48 43 1209.1 -4.40 10.53
 90.00 18 45 7 5320.70 27.45 241.83 43.37 82.77 20 13 47 4720.7 26.17 233.40
 100.00 11 32 49 1569.49 -9.27 359.01 36.50 118.55 11 58 58 969.5 -5.39 352.37
 100.00 20 13 33 5035.50 28.75 220.65 43.16 81.44 21 37 28 4435.5 27.27 212.16
 110.00 12 25 8 1405.63 -12.28 344.78 34.70 122.15 12 48 33 805.6 -7.95 338.37
 110.00 21 37 43 4772.13 32.18 199.92 42.43 77.80 22 57 15 4172.1 30.17 191.29

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7272 TRA 4.2165 TC3-2.5561 BAU .7722 SGT 6644.6 SGR 647.6 SG3 470.9 ST 3649.4 SR 193.6 SS 1767.8
 RDE .0520 RRA .4914 RC3 -.2186 FAU .03108 RRT .8115 RRF .7819 RTF .9863 CRT .1150 CRS -.0939 CST -.9997
 FDE-2.4430 FRA 3.5751 FC3-1.1950 BSP 21509 SGB 6676.1 R23 -.0361 R13 .9861 LSA 4054.9 MSA 195.4 SSA 13.8
 BDE 2.7277 BRA 4.2450 BC3 2.5654 FSP -1646 SG1 6665.4 SG2 377.2 TMA 4.54 EL1 3649.5 EL2 192.4 ALF .35

LAUNCH DATE APR 30 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 592.793

RL 150.68 LAL .00 LOL 218.97 VL 27.060 GAL 9.08 AZL 92.62 MCA 267.87 SMA 128.94 ECC .22944 INC 2.6207 V1 29.570
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.952 GAP 9.22 AZP 89.90 TAL 145.61 TAP 53.49 RCA 99.36 APO 158.52 V2 35.258
 RC 128.066 GL -14.32 GP -11.77 ZAL 39.22 ZAP 157.20 ETS 331.45 ZAE 122.03 ETE 188.05 ZAC 120.51 ETC 10.87 CLP-160.33

PLANETOCENTRIC CONIC

C3 24.389 VML 4.939 DLA -13.94 RAL 176.07 RAD 6568.0 VEL 12.073 PTH 2.16 VHP 6.613 DPA 4.52 RAP 146.07 ECC 1.4014
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 25 25 1814.20 -8.27 17.53 39.15 117.18 10 55 40 1214.2 -4.57 10.82
 90.00 18 44 41 5354.61 27.72 244.28 45.85 83.97 20 13 56 4754.6 26.59 235.79
 100.00 11 39 24 1575.53 -9.47 359.35 38.51 118.49 12 5 39 975.5 -5.59 352.71
 100.00 20 13 24 5068.51 29.06 223.06 45.67 82.67 21 37 53 4468.5 27.74 214.50
 110.00 12 31 7 1413.55 -12.57 345.22 36.67 122.05 12 54 40 813.6 -8.25 338.79
 110.00 21 38 11 4803.26 32.61 202.25 45.01 79.12 22 58 14 4203.3 30.76 193.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.8783 TRA 4.4686 TC3-2.3674 BAU .7743 SGT 6719.4 SGR 603.8 SG3 437.9 ST 3704.6 SR 195.3 SS 1717.8
 RDE .0826 RRA .4743 RC3 -.1868 FAU .02714 RRT .7738 RRF .7422 RTF .9859 CRT -.0651 CRS .0847 CST -.9998
 FDE-2.3577 FRA 3.4793 FC3 -.9635 BSP 21720 SGB 6746.5 R23 -.0366 R13 .9858 LSA 4083.4 MSA 197.3 SSA 13.6
 BDE 2.8795 BRA 4.4937 BC3 2.3747 FSP -1525 SG1 6735.7 SG2 381.6 TMA 3.99 EL1 3704.6 EL2 194.9 ALF 179.80

LAUNCH DATE APR 30 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 598.517

RL 150.68 LAL .00 LOL 218.97 VL 27.039 GAL 9.54 AZL 92.74 MCA 271.12 SMA 128.80 ECC .23564 INC 2.7375 V1 29.570
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.937 GAP 9.79 AZP 90.05 TAL 144.87 TAP 55.99 RCA 98.45 APO 159.15 V2 35.259
 RC 130.261 GL -14.33 GP -11.21 ZAL 38.40 ZAP 158.87 ETS 330.23 ZAE 121.43 ETE 187.60 ZAC 118.87 ETC 11.26 CLP-161.97

PLANETOCENTRIC CONIC

C3 26.489 VML 5.147 DLA -14.30 RAL 176.89 RAD 6568.1 VEL 12.160 PTH 2.18 VHP 6.921 DPA 4.55 RAP 147.75 ECC 1.4359
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 31 54 1821.96 -8.52 17.98 41.25 117.11 11 2 16 1222.0 -4.81 11.25
 90.00 18 44 45 5387.62 27.93 246.67 48.39 85.15 20 14 33 4787.6 26.97 238.14
 100.00 11 45 37 1584.10 -9.75 359.83 40.60 118.40 12 12 2 984.1 -5.88 353.18
 100.00 20 13 43 5100.72 29.32 225.42 48.24 83.89 21 38 44 4500.7 28.16 216.80
 110.00 12 36 48 1423.79 -12.94 345.78 38.70 121.92 13 0 32 823.8 -8.63 339.34
 110.00 21 39 1 4833.79 32.97 204.56 47.65 80.43 22 59 35 4233.8 31.30 195.73

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.0374 TRA 4.7313 TC3-2.1857 BAU .7761 SGT 6785.2 SGR 564.9 SG3 407.6 ST 3754.6 SR 201.5 SS 1671.8
 RDE .1125 RRA .4577 RC3 -.1597 FAU .02367 RRT .7316 RRF .6982 RTF .9857 CRT -.2192 CRS .2371 CST -.9998
 FDE-2.2813 FRA 3.3904 FC3 -.7737 BSP 22000 SGB 6808.7 R23 -.0369 R13 .9855 LSA 4110.1 MSA 198.4 SSA 13.5
 BDE 3.0395 BRA 4.7534 BC3 2.1915 FSP -1422 SG1 6797.9 SG2 384.4 TMA 3.50 EL1 3754.9 EL2 196.5 ALF 179.32

LAUNCH DATE APR 30 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 604.174

RL 150.68 LAL .00 LOL 218.97 VL 27.017 GAL 10.02 AZL 92.85 MCA 274.36 SMA 128.65 ECC .24236 INC 2.8546 V1 29.570
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.922 GAP 10.39 AZP 90.22 TAL 144.12 TAP 58.48 RCA 97.47 APO 159.83 V2 35.259
 RC 132.447 GL -14.28 GP -10.70 ZAL 37.57 ZAP 160.46 ETS 328.80 ZAE 120.88 ETE 187.21 ZAC 117.16 ETC 11.58 CLP-163.55

PLANETOCENTRIC CONIC

C3 28.849 VML 5.371 DLA -14.61 RAL 177.72 RAD 6568.2 VEL 12.257 PTH 2.21 VHP 7.248 DPA 4.50 RAP 149.46 ECC 1.4748
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 38 0 1832.25 -8.83 18.57 43.41 117.01 11 8 32 1232.2 -5.14 11.83
 90.00 18 45 15 5419.83 28.10 249.01 51.00 86.31 20 15 35 4819.8 27.29 240.44
 100.00 11 51 30 1595.09 -10.10 .46 42.74 118.28 12 18 5 995.1 -6.24 353.79
 100.00 20 14 26 5132.21 29.52 227.74 50.87 85.09 21 39 59 4532.2 28.53 219.07
 110.00 12 42 13 1436.25 -13.39 346.47 40.80 121.75 13 6 9 836.3 -9.09 340.00
 110.00 21 40 13 4863.82 33.29 206.85 50.36 81.75 23 1 17 4263.8 31.79 197.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.2008 TRA 5.0109 TC3-2.0052 BAU .7752 SGT 6841.9 SGR 530.4 SG3 379.7 ST 3795.9 SR 210.7 SS 1627.1
 RDE .1423 RRA .4416 RC3 -.1360 FAU .02043 RRT .6848 RRF .6502 RTF .9854 CRT -.3452 CRS .3611 CST -.9998
 FDE-2.2087 FRA 3.3115 FC3 -.6132 BSP 22252 SGB 6862.4 R23 -.0368 R13 .9853 LSA 4130.5 MSA 199.2 SSA 13.3
 BDE 3.2039 BRA 5.0304 BC3 2.0098 FSP -1327 SG1 6851.6 SG2 386.0 TMA 3.05 EL1 3796.6 EL2 197.7 ALF 178.90

LAUNCH DATE MAY 1 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 10 1967

HELIOCENTRIC CONIC

DISTANCE 124.344

RL 150.72 LAL .00 LOL 219.95 VL 15.357 GAL 26.92 AZL 89.89 MCA 35.35 SMA 87.01 ECC .79443 INC .1097 V1 29.562
 RP 108.62 LAP .06 LOP 255.29 VP 30.306 GAP -51.17 AZP 89.91 TAL 172.18 TAP 207.53 RCA 17.89 APO 156.14 V2 34.888
 RC 82.729 GL .09 GP 2.31 ZAL 67.69 ZAP 33.84 ETS 186.31 ZAE 137.92 ETE 175.53 ZAC 151.30 ETC 38.73 CLP 33.78

PLANETOCENTRIC CONIC

C3 294.097 VHL 17.149 DLA 10.76 RAL 154.27 RAD 6571.7 VEL 20.382 PTH 3.16 VMP 28.662 DPA 26.21 RAP 111.11 ECC 5.8401
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 42 48 3126.64 -26.97 105.56 62.79 81.04 6 34 54 2526.6 -27.94 97.02
 90.00 20 25 32 5090.02 24.43 225.65 52.37 75.22 21 50 22 4490.0 22.16 217.71
 100.00 7 9 31 2846.97 -28.65 85.28 63.09 81.09 7 56 58 2247.0 -29.59 76.60
 100.00 21 41 30 4844.92 26.07 207.14 51.89 74.83 23 2 15 4244.9 23.73 199.12
 110.00 8 29 56 2595.29 -33.15 66.99 63.91 81.16 9 13 12 1995.3 -34.02 57.86
 110.00 22 37 33 4669.37 30.45 192.42 50.48 73.67 23 55 23 4069.4 27.92 184.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7684 TRA-1.9901 TC3 -.1064 BAU .4205 SGT 811.2 SGR 460.5 SG3 24.5 ST 327.5 SR 415.3 SS 309.9
 RDE-1.2289 RRA -.6098 RC3 .0061 FAU .01203 RRT .0729 RRF -.0651 RTF -.6110 CRT -.6822 CRS -.7345 CST .9953
 FDE -.3101 FRA .6872 FC3 -.0354 BSP 1899 SGB 932.8 R23 .0004 R13 -.6113 LSA 566.5 MSA 233.8 SSA 14.0
 BDE 1.4494 BRA 2.0815 BC3 .1070 FSP -49 SGI 812.3 SG2 458.7 TMA 3.48 EL1 488.0 EL2 203.7 ALF 125.32

LAUNCH DATE MAY 1 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 12 1967

HELIOCENTRIC CONIC

DISTANCE 133.813

RL 150.72 LAL .00 LOL 219.95 VL 16.153 GAL 25.70 AZL 90.20 MCA 38.52 SMA 88.47 ECC .76817 INC .1973 V1 29.562
 RP 108.65 LAP -.12 LOP 258.47 VP 30.704 GAP -48.88 AZP 90.16 TAL 171.33 TAP 209.85 RCA 20.51 APO 156.43 V2 34.877
 RC 80.398 GL -.18 GP 2.37 ZAL 66.38 ZAP 32.33 ETS 186.56 ZAE 138.05 ETE 174.97 ZAC 149.91 ETC 37.00 CLP 32.26

PLANETOCENTRIC CONIC

C3 268.173 VHL 16.376 DLA 10.04 RAL 155.42 RAD 6571.6 VEL 19.735 PTH 3.12 VMP 27.600 DPA 26.10 RAP 112.96 ECC 5.4135
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 53 14 3091.37 -27.32 103.03 62.74 82.26 6 44 46 2491.4 -28.11 94.46
 90.00 20 24 14 5102.21 24.64 226.48 52.93 75.58 21 49 17 4502.2 22.42 218.51
 100.00 7 19 33 2813.02 -28.98 82.81 62.99 82.35 8 6 26 2213.0 -29.74 74.09
 100.00 21 40 37 4855.79 26.26 207.89 52.46 75.18 23 1 33 4255.8 23.97 199.84
 110.00 8 39 4 2564.19 -33.46 64.81 63.69 82.54 9 21 48 1964.2 -34.13 55.44
 110.00 22 37 36 4677.39 30.61 192.99 51.10 73.98 23 55 33 4077.4 28.11 184.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7769 TRA-2.0022 TC3 -.1138 BAU .4089 SGT 847.9 SGR 466.6 SG3 26.4 ST 345.8 SR 419.1 SS 327.1
 RDE-1.1838 RRA -.6009 RC3 .0074 FAU .01211 RRT .0764 RRF -.0688 RTF -.6299 CRT -.6826 CRS -.7382 CST .9950
 FDE -.3264 FRA .7118 FC3 -.0391 BSP 2042 SGB 967.8 R23 -.0000 R13 -.6302 LSA 586.9 MSA 239.8 SSA 14.3
 BDE 1.4160 BRA 2.0904 BC3 .1141 FSP -54 SGI 849.0 SG2 464.7 TMA 3.44 EL1 500.4 EL2 211.6 ALF 127.08

LAUNCH DATE MAY 1 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 14 1967

HELIOCENTRIC CONIC

DISTANCE 139.396

RL 150.72 LAL .00 LOL 219.95 VL 16.900 GAL 24.56 AZL 90.47 MCA 41.69 SMA 89.95 ECC .74188 INC .4672 V1 29.562
 RP 108.69 LAP -.31 LOP 261.64 VP 31.092 GAP -46.72 AZP 90.35 TAL 170.49 TAP 212.18 RCA 23.22 APO 156.68 V2 34.867
 RC 78.089 GL -.46 GP 2.43 ZAL 65.11 ZAP 30.85 ETS 186.83 ZAE 138.26 ETE 174.37 ZAC 148.47 ETC 35.41 CLP 30.76

PLANETOCENTRIC CONIC

C3 244.657 VHL 15.642 DLA 9.31 RAL 156.51 RAD 6571.4 VEL 19.130 PTH 3.09 VMP 26.576 DPA 25.97 RAP 114.83 ECC 5.0264
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 3 23 3055.57 -27.63 100.46 62.56 83.52 6 54 19 2455.6 -28.24 91.84
 90.00 20 22 47 5113.61 24.83 227.26 53.39 75.93 21 48 0 4513.6 22.65 219.26
 100.00 7 29 18 2778.51 -29.27 80.29 62.77 83.64 8 15 36 2178.5 -29.84 71.53
 100.00 21 39 34 4865.90 26.43 208.59 52.94 75.51 23 0 39 4265.9 24.18 200.52
 110.00 8 47 55 2532.46 -33.71 62.17 63.33 83.96 9 30 8 1932.5 -34.18 52.96
 110.00 22 37 25 4684.72 30.74 193.52 51.62 74.26 23 55 30 4084.7 28.28 185.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7818 TRA-2.0176 TC3 -.1215 BAU .3984 SGT 887.3 SGR 472.2 SG3 28.5 ST 364.2 SR 422.4 SS 344.5
 RDE-1.1391 RRA -.5909 RC3 .0089 FAU .01219 RRT .0816 RRF -.0733 RTF -.6476 CRT -.6807 CRS -.7411 CST .9946
 FDE -.3426 FRA .7372 FC3 -.0432 BSP 2115 SGB 1005.1 R23 .0002 R13 -.6479 LSA 607.5 MSA 246.0 SSA 14.5
 BDE 1.3816 BRA 2.1023 BC3 .1218 FSP -59 SGI 888.5 SG2 470.0 TMA 3.45 EL1 512.6 EL2 219.9 ALF 128.83

LAUNCH DATE MAY 1 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 16 1967

HELIOCENTRIC CONIC

DISTANCE 145.089

RL 150.72 LAL .00 LOL 219.95 VL 17.600 GAL 23.49 AZL 90.71 MCA 44.87 SMA 91.45 ECC .71574 INC .7054 V1 29.562
 RP 108.72 LAP -.50 LOP 264.81 VP 31.468 GAP -44.67 AZP 90.50 TAL 169.65 TAP 214.51 RCA 25.99 APO 156.90 V2 34.857
 RC 75.805 GL -.76 GP 2.50 ZAL 63.90 ZAP 29.39 ETS 187.14 ZAE 138.54 ETE 173.72 ZAC 146.99 ETC 33.94 CLP 29.29

PLANETOCENTRIC CONIC

C3 223.301 VHL 14.943 DLA 8.59 RAL 157.54 RAD 6571.3 VEL 18.564 PTH 3.05 VMP 25.587 DPA 25.82 RAP 116.71 ECC 4.6750
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 13 15 3019.21 -27.88 97.83 62.25 84.82 7 3 35 2419.2 -28.30 89.19
 90.00 20 21 8 5124.24 25.00 227.99 53.76 76.26 21 46 32 4524.2 22.87 219.97
 100.00 7 38 46 2743.41 -29.51 77.71 62.41 84.98 8 24 30 2143.4 -29.89 68.92
 100.00 21 38 18 4875.28 26.59 209.24 53.32 75.82 22 59 33 4275.3 24.38 201.14
 110.00 8 56 31 2500.09 -33.91 59.67 62.85 85.43 9 38 11 1900.1 -34.17 50.43
 110.00 22 37 2 4691.36 30.86 194.00 52.03 74.52 23 55 14 4091.4 28.43 185.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7757 TRA-2.0436 TC3 -.1312 BAU .3930 SGT 932.8 SGR 477.3 SG3 30.8 ST 380.9 SR 425.2 SS 361.6
 RDE-1.0949 RRA -.5802 RC3 .0106 FAU .01223 RRT .0922 RRF -.0797 RTF -.6627 CRT -.6719 CRS -.7420 CST .9934
 FDE -.3579 FRA .7642 FC3 -.0474 BSP 1940 SGB 1047.9 R23 .0028 R13 -.6630 LSA 626.3 MSA 253.3 SSA 14.8
 BDE 1.3418 BRA 2.1243 BC3 .1316 FSP -61 SGI 934.2 SG2 474.6 TMA 3.64 EL1 522.7 EL2 229.5 ALF 130.35

LAUNCH DATE MAY 1 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 18 1967

HELIOCENTRIC CONIC

DISTANCE 150.877

RL 150.72 LAL .00 LOL 219.95 VL 18.25H GAL 22.48 AZL 90.92 MCA 48.04 SMA 92.96 ECC .68983 INC .9181 V1 29.562
 RP 108.75 LAP -.68 LOP 267.98 VP 31.830 GAP -42.72 AZP 90.61 TAL 168.82 TAP 216.86 RCA 28.83 APO 157.08 V2 34.848
 RC 73.549 GL -1.09 GP 2.57 ZAL 62.75 ZAP 27.95 ETS 187.49 ZAE 138.91 ETE 173.01 ZAC 145.47 ETC 32.59 CLP 27.84

PLANETOCENTRIC CONIC

C3 203.852 VHL 14.278 CLA 7.86 RAL 158.51 RAD 6571.1 VEL 18.033 PTH 3.01 VHP 24.630 DPA 25.66 RAP 118.61 ECC 4.3549
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 22 50 2982.25 -28.08 95.14 61.81 86.15 7 12 32 2382.2 -28.31 86.48
 90.00 20 19 17 5134.07 25.16 228.66 54.01 76.56 21 44 51 4534.1 23.06 220.62
 100.00 7 47 57 2707.67 -29.69 75.07 61.93 86.36 8 33 5 2107.7 -29.88 66.27
 100.00 21 36 50 4883.87 26.73 209.84 53.58 76.10 22 58 14 4283.9 24.56 201.72
 110.00 9 4 51 2467.05 -34.06 57.10 62.23 86.94 9 45 58 1867.1 -34.11 47.85
 110.00 22 36 26 4697.26 30.97 194.42 52.33 74.75 23 54 43 4097.3 28.57 186.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8243 TRA-2.0140 TC3 -.1306 BAU .3577 SGT 956.1 SGR 481.2 SG3 33.2 ST 411.6 SR 426.8 SS 383.3
 ROE-1.0497 RRA -.5674 RC3 .0127 FAU .01260 RRT .0753 RRF -.0772 RTF -.6882 CRT -.6970 CRS -.7512 CST .9955
 FDE -.3805 FRA .7847 FC3 -.0535 BSP 3093 SGB 1070.4 R23 -.0080 R13 -.6886 LSA 659.3 MSA 252.2 SSA 14.7
 BOE 1.3347 BRA 2.0924 BC3 .1313 FSP -78 SG1 957.1 SG2 479.4 TMA 2.90 EL1 546.3 EL2 230.6 ALF 133.51

LAUNCH DATE MAY 1 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 20 1967

HELIOCENTRIC CONIC

DISTANCE 156.767

RL 150.72 LAL .00 LOL 219.95 VL 18.876 GAL 21.52 AZL 91.11 MCA 51.20 SMA 94.47 ECC .66431 INC 1.1105 V1 29.562
 RP 108.77 LAP -.87 LOP 271.14 VP 32.179 GAP -40.87 AZP 90.70 TAL 168.00 TAP 219.21 RCA 31.71 APO 157.24 V2 34.839
 RC 71.325 GL -1.43 GP 2.66 ZAL 61.64 ZAP 26.53 ETS 187.89 ZAE 139.37 ETE 172.23 ZAC 143.92 ETC 31.34 CLP 26.41

PLANETOCENTRIC CONIC

C3 186.179 VHL 13.645 CLA 7.13 RAL 159.42 RAD 6571.0 VEL 17.536 PTH 2.97 VHP 23.706 DPA 25.47 RAP 120.53 ECC 4.0640
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 32 9 2944.61 -28.22 92.39 61.25 87.52 7 21 14 2344.6 -28.26 83.73
 90.00 20 17 14 5143.23 25.30 229.30 54.17 76.85 21 42 57 4543.2 23.24 221.23
 100.00 7 56 55 2671.25 -29.82 72.37 61.32 87.78 8 41 26 2071.2 -29.81 63.56
 100.00 21 35 10 4891.82 26.86 210.40 53.75 76.37 22 56 42 4291.8 24.72 202.25
 110.00 9 12 57 2433.28 -34.15 54.46 61.49 88.50 9 53 30 1833.3 -33.98 45.22
 110.00 22 35 37 4702.55 31.07 194.81 52.53 74.96 23 53 59 4102.5 28.69 186.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8154 TRA-2.0415 TC3 -.1408 BAU .3525 SGT 1005.6 SGR 485.1 SG3 35.8 ST 429.6 SR 428.4 SS 401.3
 ROE-1.0062 RRA -.5551 RC3 .0149 FAU .01265 RRT .0875 RRF -.0844 RTF -.7016 CRT -.6870 CRS -.7514 CST .9944
 FDE -.3965 FRA .8128 FC3 -.0588 BSP 2882 SGB 1116.5 R23 -.0047 R13 -.7020 LSA 679.5 MSA 258.9 SSA 15.0
 BOE 1.2951 BRA 2.1156 BC3 .1416 FSP -81 SG1 1006.8 SG2 482.7 TMA 3.14 EL1 557.2 EL2 240.0 ALF 135.12

LAUNCH DATE MAY 1 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 22 1967

HELIOCENTRIC CONIC

DISTANCE 162.744

RL 150.72 LAL .00 LOL 219.95 VL 19.456 GAL 20.61 AZL 91.29 MCA 54.37 SMA 95.99 ECC .63925 INC 1.2864 V1 29.562
 RP 108.80 LAP -1.05 LOP 274.31 VP 32.514 GAP -39.11 AZP 90.75 TAL 167.20 TAP 221.57 RCA 34.63 APO 157.36 V2 34.831
 RC 69.138 GL -1.80 GP 2.74 ZAL 60.58 ZAP 25.13 ETS 188.36 ZAE 139.91 ETE 171.38 ZAC 142.33 ETC 30.18 CLP 24.99

PLANETOCENTRIC CONIC

C3 170.077 VHL 13.041 CLA 6.39 RAL 160.27 RAD 6570.8 VEL 17.070 PTH 2.93 VHP 22.812 DPA 25.27 RAP 122.46 ECC 3.7990
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 41 14 2906.27 -28.30 89.59 60.56 88.92 7 29 40 2306.3 -28.15 80.93
 90.00 20 14 58 5151.69 25.43 229.88 54.22 77.11 21 40 49 4551.7 23.41 221.80
 100.00 8 5 37 2634.11 -29.88 69.61 60.59 89.23 8 49 31 2034.1 -29.67 60.81
 100.00 21 33 16 4899.08 26.98 210.91 53.82 76.61 22 54 55 4299.1 24.87 202.74
 110.00 9 20 49 2398.77 -34.18 51.77 60.62 90.09 10 0 47 1798.8 -33.79 42.55
 110.00 22 34 33 4707.18 31.15 195.14 52.62 75.15 23 53 1 4107.2 28.79 186.73

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8172 TRA-2.0570 TC3 -.1489 BAU .3409 SGT 1052.0 SGR 488.3 SG3 38.6 ST 451.1 SR 429.1 SS 420.7
 ROE -.9829 RRA -.5419 RC3 .0174 FAU .01280 RRT .0942 RRF -.0900 RTF -.7166 CRT -.6835 CRS -.7532 CST .9937
 FDE -.4143 FRA .8400 FC3 -.0651 BSP 2939 SGB 1159.8 R23 -.0043 R13 -.7169 LSA 703.5 MSA 263.6 SSA 15.2
 BOE 1.2629 BRA 2.1272 BC3 .1499 FSP -88 SG1 1053.3 SG2 485.5 TMA 3.18 EL1 571.3 EL2 247.3 ALF 137.09

LAUNCH DATE MAY 1 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 24 1967

HELIOCENTRIC CONIC

DISTANCE 168.804

RL 150.72 LAL .00 LOL 219.95 VL 20.000 GAL 19.74 AZL 91.45 MCA 57.54 SMA 97.51 ECC .61471 INC 1.4489 V1 29.562
 RP 108.82 LAP -1.22 LOP 277.47 VP 32.834 GAP -37.43 AZP 90.78 TAL 166.42 TAP 223.95 RCA 37.57 APO 157.45 V2 34.824
 RC 66.992 GL -2.19 GP 2.84 ZAL 59.58 ZAP 23.75 ETS 188.89 ZAE 140.54 ETE 170.45 ZAC 140.72 ETC 29.12 CLP 23.59

PLANETOCENTRIC CONIC

C3 155.402 VHL 12.466 CLA 5.65 RAL 161.07 RAD 6570.7 VEL 16.635 PTH 2.89 VHP 21.946 DPA 25.05 RAP 124.40 ECC 3.5575
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 50 4 2867.19 -28.31 86.73 59.75 90.35 7 37 51 2267.2 -27.97 78.09
 90.00 20 12 27 5159.51 25.55 230.43 54.17 77.36 21 38 27 4559.5 23.56 222.32
 100.00 8 14 5 2596.21 -29.88 66.79 59.73 90.71 8 57 21 1996.2 -29.47 58.01
 100.00 21 31 8 4905.72 27.08 211.37 53.78 76.83 22 52 54 4305.7 25.00 203.19
 110.00 9 28 26 2363.49 -34.14 49.01 59.63 91.72 10 7 50 1763.5 -33.53 39.83
 110.00 22 33 16 4711.20 31.22 195.44 52.60 75.31 23 51 47 4111.2 28.88 187.01

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8216 TRA-2.0689 TC3 -.1563 BAU .3275 SGT 1098.9 SGR 490.7 SG3 41.7 ST 474.3 SR 429.1 SS 441.1
 ROE -.9199 RRA -.5280 RC3 .0202 FAU .01298 RRT .0996 RRF -.0955 RTF -.7316 CRT -.6816 CRS -.7552 CST .9932
 FDE -.4332 FRA .8673 FC3 -.0723 BSP 3077 SGB 1203.5 R23 -.0048 R13 -.7319 LSA 729.3 MSA 267.3 SSA 15.4
 BOE 1.2334 BRA 2.1352 BC3 .1576 FSP -96 SG1 1100.3 SG2 487.6 TMA 3.17 EL1 587.1 EL2 253.6 ALF 139.19

LAUNCH DATE MAY 1 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 26 1967

HELIOCENTRIC CONIC

DISTANCE 174.942

RL 150.72 LAL .00 LOL 219.95 VL 20.512 GAL 18.90 AZL 91.60 MCA 60.70 SMA 99.02 ECC .59078 INC 1.6002 V1 29.562
 RP 108.84 LAP -1.40 LOP 280.64 VP 33.141 GAP -35.82 AZP 90.78 TAL 165.65 TAP 226.35 RCA 40.52 APO 157.51 V2 34.817
 RC 64.892 GL -2.61 GP 2.94 ZAL 58.63 ZAP 22.39 ETS 189.52 ZAE 141.27 ETE 169.43 ZAC 139.07 ETC 28.13 CLP 22.20

PLANETOCENTRIC CONIC

C3 142.023 VHL 11.917 DLA 4.90 RAL 161.80 RAD 6570.5 VEL 16.228 PTH 2.85 VHP 21.108 DPA 24.81 RAP 126.35 ECC 3.3373
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 58 40 2827.33 -28.26 83.82 58.83 91.81 7 45 48 2227.3 -27.71 75.20
 90.00 20 9 42 5166.75 25.66 230.93 54.01 77.59 21 35 49 4566.7 23.69 222.81
 100.00 8 22 19 2557.53 -29.82 63.92 58.76 92.22 9 4 57 1957.5 -29.19 55.17
 100.00 21 28 45 4911.78 27.17 211.80 53.63 77.04 22 50 37 4311.8 25.12 203.60
 110.00 9 35 51 2327.41 -34.04 46.20 58.52 93.38 10 14 38 1727.4 -33.19 37.06
 110.00 22 31 42 4714.67 31.28 195.69 52.48 75.44 23 50 17 4114.7 28.96 187.25

DIFFERENTIAL CORRECTIONS

TDE .8281 TRA-2.0773 TC3 -.1628 BAU .3123
 RDE -.8773 RRA -.5135 RC3 .0235 FAU .01319
 FDE -.4531 FRA -.8949 FC3 -.0804 BSP 3279
 BDE 1.2064 BRA 2.1399 BC3 .1645 FSP -105

MID-COURSE EXECUTION ACCURACY

SGT 1146.3 SGR 492.4 SG3 45.0
 RRT .1041 RRF -.1009 RTF -.7465
 SGB 1247.5 R23 -.0059 R13 -.7469
 SG1 1147.7 SG2 489.1 THA 3.13

ORBIT DETERMINATION ACCURACY

ST 499.1 SR 428.3 SS 462.3
 CRT -.6812 CRS -.7574 CST .9929
 LSA 757.0 MSA 270.1 SSA 15.6
 EL1 604.6 EL2 258.9 ALF 141.35

LAUNCH DATE MAY 1 1967

FLIGHT TIME 88.00

ARRIVAL DATE JUL 28 1967

HELIOCENTRIC CONIC

DISTANCE 181.152

RL 150.72 LAL .00 LOL 219.95 VL 20.992 GAL 18.11 AZL 91.74 MCA 63.87 SMA 100.51 ECC .56748 INC 1.7423 V1 29.562
 RP 108.86 LAP -1.56 LOP 283.80 VP 33.434 GAP -34.29 AZP 90.77 TAL 164.90 TAP 228.77 RCA 43.47 APO 157.55 V2 34.810
 RC 62.843 GL -3.05 GP 3.06 ZAL 57.74 ZAP 21.04 ETS 190.25 ZAE 142.10 ETE 168.29 ZAC 137.41 ETC 27.21 CLP 20.83

PLANETOCENTRIC CONIC

C3 129.824 VHL 11.394 DLA 4.14 RAL 162.48 RAD 6570.4 VEL 15.848 PTH 2.81 VHP 20.296 DPA 24.56 RAP 128.30 ECC 3.1366
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 7 4 2786.65 -28.14 80.85 57.79 93.30 7 53 31 2186.6 -27.39 72.27
 90.00 20 6 42 5173.48 25.75 231.40 53.75 77.81 21 32 55 4573.5 23.82 223.26
 100.00 8 30 21 2518.02 -29.68 60.99 57.68 93.76 9 12 19 1918.0 -28.84 52.28
 100.00 21 26 6 4917.34 27.26 212.19 53.38 77.23 22 48 3 4317.3 25.23 203.98
 110.00 9 43 3 2290.50 -33.85 43.34 57.30 95.07 10 21 13 1690.5 -32.78 34.26
 110.00 22 29 53 4717.62 31.33 195.91 52.25 75.56 23 48 31 4117.6 29.03 187.46

DIFFERENTIAL CORRECTIONS

TDE .8345 TRA-2.0844 TC3 -.1689 BAU .2968
 RDE -.8353 RRA -.4986 RC3 .0271 FAU .01344
 FDE -.4738 FRA .9231 FC3 -.0896 BSP 3491
 BDE 1.1807 BRA 2.1432 BC3 .1710 FSP -115

MID-COURSE EXECUTION ACCURACY

SGT 1195.2 SGR 493.4 SG3 48.5
 RRT .1088 RRF -.1067 RTF -.7609
 SGB 1293.1 R23 -.0072 R13 -.7612
 SG1 1196.7 SG2 489.9 THA 3.09

ORBIT DETERMINATION ACCURACY

ST 525.0 SR 426.7 SS 484.4
 CRT -.6807 CRS -.7595 CST .9925
 LSA 786.1 MSA 272.3 SSA 15.7
 EL1 623.2 EL2 263.4 ALF 143.52

LAUNCH DATE MAY 1 1967

FLIGHT TIME 90.00

ARRIVAL DATE JUL 30 1967

HELIOCENTRIC CONIC

DISTANCE 187.429

RL 150.72 LAL .00 LOL 219.95 VL 21.443 GAL 17.34 AZL 91.88 MCA 67.03 SMA 101.99 ECC .54487 INC 1.8769 V1 29.562
 RP 108.88 LAP -1.73 LOP 286.96 VP 33.713 GAP -32.81 AZP 90.73 TAL 164.18 TAP 231.20 RCA 46.42 APO 157.56 V2 34.805
 RC 60.850 GL -3.53 GP 3.18 ZAL 56.90 ZAP 19.71 ETS 191.11 ZAE 143.02 ETE 167.02 ZAC 135.72 ETC 26.36 CLP 19.47

PLANETOCENTRIC CONIC

C3 118.701 VHL 10.895 DLA 3.37 RAL 163.09 RAD 6570.2 VEL 15.493 PTH 2.76 VHP 19.510 DPA 24.29 RAP 130.26 ECC 2.9535
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 15 16 2745.12 -27.94 77.83 56.65 94.80 8 1 1 2145.1 -26.98 69.29
 90.00 20 3 24 5179.79 25.84 231.84 53.39 78.01 21 29 44 4579.8 23.93 223.69
 100.00 8 38 11 2477.67 -29.46 58.01 56.50 95.31 9 19 28 1877.7 -28.41 49.36
 100.00 21 23 10 4922.47 27.33 212.55 53.03 77.41 22 45 13 4322.5 25.33 204.33
 110.00 9 50 2 2252.75 -33.58 40.42 55.98 96.78 10 27 35 1652.8 -32.28 31.43
 110.00 22 27 48 4720.15 31.37 196.09 51.92 75.67 23 46 28 4120.2 29.08 187.63

DIFFERENTIAL CORRECTIONS

TDE .8375 TRA-2.0933 TC3 -.1754 BAU .2828
 RDE -.7938 RRA -.4835 RC3 .0312 FAU .01369
 FDE -.4950 FRA .9526 FC3 -.0999 BSP 3635
 BDE 1.1539 BRA 2.1484 BC3 .1782 FSP -125

MID-COURSE EXECUTION ACCURACY

SGT 1247.5 SGR 493.7 SG3 52.3
 RRT .1154 RRF -.1134 RTF -.7740
 SGB 1341.6 R23 -.0079 R13 -.7743
 SG1 1249.0 SG2 489.8 THA 3.09

ORBIT DETERMINATION ACCURACY

ST 551.0 SR 424.4 SS 507.0
 CRT -.6783 CRS -.7611 CST .9919
 LSA 815.6 MSA 274.3 SSA 15.9
 EL1 641.9 EL2 267.7 ALF 145.63

LAUNCH DATE MAY 1 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 1 1967

HELIOCENTRIC CONIC

DISTANCE 193.768

RL 150.72 LAL .00 LOL 219.95 VL 21.866 GAL 16.61 AZL 92.01 MCA 70.19 SMA 103.45 ECC .52298 INC 2.0054 V1 29.562
 RP 108.90 LAP -1.89 LOP 290.13 VP 33.979 GAP -31.40 AZP 90.68 TAL 163.48 TAP 233.67 RCA 49.35 APO 157.55 V2 34.800
 RC 58.919 GL -4.04 GP 3.32 ZAL 56.11 ZAP 18.40 ETS 192.13 ZAE 144.04 ETE 165.60 ZAC 134.01 ETC 25.57 CLP 18.11

PLANETOCENTRIC CONIC

C3 108.558 VHL 10.419 DLA 2.60 RAL 163.64 RAD 6570.1 VEL 15.162 PTH 2.72 VHP 18.748 DPA 24.01 RAP 132.22 ECC 2.7866
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 23 16 2702.71 -27.66 74.76 55.41 96.31 8 8 19 2102.7 -26.50 66.28
 90.00 19 59 48 5185.77 25.93 232.26 52.93 78.20 21 26 14 4585.8 24.04 224.09
 100.00 8 45 49 2436.44 -29.16 54.98 55.21 96.88 9 26 25 1836.4 -27.90 46.40
 100.00 21 19 56 4927.27 27.41 212.89 52.58 77.57 22 42 4 4327.3 25.42 204.66
 110.00 9 56 50 2214.15 -33.24 37.46 54.57 98.50 10 33 44 1614.1 -31.71 28.57
 110.00 22 25 25 4722.33 31.41 196.25 51.49 75.75 23 44 7 4122.3 29.13 187.78

DIFFERENTIAL CORRECTIONS

TDE .8427 TRA-2.0982 TC3 -.1806 BAU .2672
 RDE -.7529 RRA -.4682 RC3 .0357 FAU .01399
 FDE -.5177 FRA .9824 FC3 -.1116 BSP 3847
 BDE 1.1300 BRA 2.1498 BC3 .1841 FSP -137

MID-COURSE EXECUTION ACCURACY

SGT 1300.2 SGR 493.3 SG3 56.5
 RRT .1213 RRF -.1203 RTF -.7870
 SGB 1390.6 R23 -.0092 R13 -.7873
 SG1 1301.8 SG2 489.1 THA 3.07

ORBIT DETERMINATION ACCURACY

ST 578.7 SR 421.2 SS 530.9
 CRT -.6773 CRS -.7629 CST .9915
 LSA 847.4 MSA 275.4 SSA 16.0
 EL1 662.6 EL2 270.6 ALF 147.76

LAUNCH DATE MAY 1 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 3 1967

HELIOCENTRIC CONIC

DISTANCE 200.162

RL 150.72 LAL .00 LOL 219.95 VL 22.264 GAL 15.91 AZL 92.13 MCA 73.35 SMA 104.88 ECC .50182 INC 2.1287 V1 29.562
 RP 108.91 LAP -2.04 LOP 293.29 VP 34.231 GAP -30.05 AZP 90.61 TAL 162.80 TAP 236.15 RCA 52.25 APO 157.51 V2 34.795
 RC 57.057 GL -4.58 GP 3.46 ZAL 55.39 ZAP 17.11 ETS 193.36 ZAE 145.16 ETE 164.00 ZAC 132.29 ETC 24.84 CLP 16.76

PLANETOCENTRIC CONIC

C3 99.312 VML 9.966 DLA 1.81 RAL 164.13 RAD 6569.9 VEL 14.854 PTH 2.68 VMP 18.009 DPA 23.72 RAP 134.18 ECC 2.6344
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 31 6 2659.41 -27.30 71.64 54.07 97.84 8 15 25 2059.4 -25.93 63.24
 90.00 19 55 53 5191.53 26.01 232.66 52.38 78.39 21 22 25 4591.5 24.15 224.48
 100.00 8 53 17 2394.32 -28.78 51.91 53.83 98.45 9 33 11 1794.3 -27.31 43.41
 100.00 21 16 24 4931.84 27.47 213.22 52.03 77.73 22 38 35 4331.8 25.50 204.97
 110.00 10 3 27 2174.68 -32.80 34.46 53.06 100.22 10 39 42 1574.7 -31.04 25.68
 110.00 22 22 43 4724.25 31.44 196.39 50.96 75.83 23 41 27 4124.2 29.17 187.92

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8476 TRA-2.1018 TC3 -.1850 BAU .2516 SGT 1354.7 SGR 492.2 SG3 61.0 ST 607.6 SR 417.1 SS 555.7
 RDE -.7125 RRA -.4527 RC3 .0408 FAU .01432 RRT .1278 RRF -.1279 RTF -.7994 CRT -.6761 CRS -.7645 CST .9910
 FDE -.5415 FRA 1.0131 FC3 -.1248 BSP 4050 SGB 1441.3 R23 -.0107 R13 -.7997 LSA 880.7 MSA 275.8 SSA 16.2
 BDE 1.1073 BRA 2.1500 BC3 .1895 FSP -150 SGI 1356.3 SG2 487.6 THA 3.05 EL1 684.6 EL2 272.7 ALF 149.83

LAUNCH DATE MAY 1 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 5 1967

HELIOCENTRIC CONIC

DISTANCE 206.608

RL 150.72 LAL .00 LOL 219.95 VL 22.636 GAL 15.23 AZL 92.25 MCA 76.51 SMA 106.29 ECC .48142 INC 2.2481 V1 29.562
 RP 108.92 LAP -2.19 LOP 296.45 VP 34.471 GAP -28.75 AZP 90.52 TAL 162.15 TAP 238.67 RCA 55.12 APO 157.45 V2 34.792
 RC 55.270 GL -5.16 GP 3.62 ZAL 54.72 ZAP 15.83 ETS 194.84 ZAE 146.38 ETE 162.19 ZAC 130.55 ETC 24.16 CLP 15.42

PLANETOCENTRIC CONIC

C3 90.886 VML 9.533 DLA 1.00 RAL 164.56 RAD 6569.8 VEL 14.568 PTH 2.64 VMP 17.294 DPA 23.43 RAP 136.15 ECC 2.4958
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 38 46 2615.18 -26.85 66.48 52.65 99.36 8 22 21 2015.2 -25.28 60.16
 90.00 19 51 38 5197.20 26.09 233.06 51.73 78.57 21 18 15 4597.2 24.25 224.87
 100.00 9 0 35 2351.30 -28.31 48.80 52.37 100.03 9 39 46 1751.3 -26.63 40.39
 100.00 21 12 30 4936.31 27.54 213.53 51.39 77.88 22 34 47 4336.3 25.59 205.27
 110.00 10 9 53 2134.35 -32.27 31.44 51.48 101.94 10 45 28 1534.4 -30.29 22.78
 110.00 22 19 41 4726.03 31.47 196.52 50.34 75.90 23 38 27 4126.0 29.21 188.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8525 TRA-2.1035 TC3 -.1884 BAU .2358 SGT 1410.8 SGR 490.4 SG3 65.9 ST 637.6 SR 412.0 SS 581.8
 RDE -.6728 RRA -.4372 RC3 .0465 FAU .01469 RRT .1349 RRF -.1364 RTF -.8112 CRT -.6749 CRS -.7659 CST .9906
 FDE -.5667 FRA 1.0449 FC3 -.1399 BSP 4279 SGB 1493.6 R23 -.0124 R13 -.8116 LSA 915.7 MSA 275.5 SSA 16.3
 BDE 1.0860 BRA 2.1485 BC3 .1941 FSP -164 SGI 1412.5 SG2 485.3 THA 3.04 EL1 708.0 EL2 273.7 ALF 151.87

LAUNCH DATE MAY 1 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 7 1967

HELIOCENTRIC CONIC

DISTANCE 213.101

RL 150.72 LAL .00 LOL 219.95 VL 22.986 GAL 14.59 AZL 92.36 MCA 79.67 SMA 107.66 ECC .46179 INC 2.3642 V1 29.562
 RP 108.93 LAP -2.33 LOP 299.61 VP 34.699 GAP -27.50 AZP 90.42 TAL 161.54 TAP 241.21 RCA 57.94 APO 157.38 V2 34.789
 RC 53.566 GL -5.77 GP 3.80 ZAL 54.11 ZAP 14.57 ETS 196.65 ZAE 147.69 ETE 160.12 ZAC 128.80 ETC 23.52 CLP 14.08

PLANETOCENTRIC CONIC

C3 83.212 VML 9.122 DLA .18 RAL 164.93 RAD 6569.6 VEL 14.302 PTH 2.60 VMP 16.601 DPA 23.12 RAP 138.11 ECC 2.3695
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 46 18 2570.02 -26.31 65.29 51.16 100.87 8 29 8 1970.0 -24.54 57.06
 90.00 19 47 0 5202.92 26.16 233.46 51.00 78.76 21 13 43 4602.9 24.35 225.26
 100.00 9 7 44 2307.37 -27.75 45.65 50.84 101.59 9 46 11 1707.4 -25.87 37.35
 100.00 21 8 15 4940.80 27.60 213.85 50.67 78.04 22 30 36 4340.8 25.67 205.58
 110.00 10 16 10 2093.15 -31.65 28.38 49.83 103.65 10 51 3 1493.1 -29.45 19.87
 110.00 22 16 19 4727.78 31.50 196.65 49.63 75.97 23 35 6 4127.8 29.25 188.16

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8543 TRA-2.1065 TC3 -.1920 BAU .2215 SGT 1470.1 SGR 487.9 SG3 71.2 ST 667.5 SR 406.0 SS 608.7
 RDE -.6338 RRA -.4220 RC3 .0528 FAU .01507 RRT .1441 RRF -.1461 RTF -.8218 CRT -.6719 CRS -.7668 CST .9899
 FDE -.5931 FRA 1.0782 FC3 -.1568 BSP 4435 SGB 1548.9 R23 -.0136 R13 -.8222 LSA 951.3 MSA 275.1 SSA 16.4
 BDE 1.0637 BRA 2.1483 BC3 .1991 FSP -178 SGI 1472.0 SG2 482.1 THA 3.07 EL1 731.5 EL2 274.4 ALF 153.82

LAUNCH DATE MAY 1 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC

DISTANCE 219.636

RL 150.72 LAL .00 LOL 219.95 VL 23.314 GAL 13.97 AZL 92.48 MCA 82.83 SMA 109.00 ECC .44294 INC 2.4781 V1 29.562
 RP 108.94 LAP -2.46 LOP 302.77 VP 34.915 GAP -26.29 AZP 90.31 TAL 160.95 TAP 243.78 RCA 60.72 APO 157.29 V2 34.786
 RC 51.953 GL -6.43 GP 4.00 ZAL 53.56 ZAP 13.34 ETS 198.88 ZAE 149.09 ETE 157.74 ZAC 127.04 ETC 22.93 CLP 12.74

PLANETOCENTRIC CONIC

C3 76.226 VML 8.731 DLA -.66 RAL 165.22 RAD 6569.5 VEL 14.056 PTH 2.56 VMP 15.929 DPA 22.81 RAP 140.06 ECC 2.2545
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 53 43 2523.90 -25.67 62.06 49.60 102.37 8 35 47 1923.9 -23.71 53.94
 90.00 19 41 58 5208.85 26.24 233.87 50.18 78.96 21 8 47 4608.8 24.45 225.66
 100.00 9 14 45 2262.50 -27.09 42.48 49.24 103.14 9 52 28 1662.5 -25.01 34.29
 100.00 21 3 37 4945.48 27.67 214.18 49.85 78.20 22 26 2 4345.5 25.76 205.90
 110.00 10 22 18 2051.09 -30.93 25.32 48.12 105.33 10 56 29 1451.1 -28.52 16.95
 110.00 22 12 34 4729.66 31.53 196.79 48.84 76.05 23 31 23 4129.7 29.29 188.29

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8590 TRA-2.1045 TC3 -.1930 BAU .2059 SGT 1529.3 SGR 484.6 SG3 77.0 ST 699.7 SR 398.9 SS 637.4
 RDE -.5954 RRA -.4068 RC3 .0598 FAU .01552 RRT .1529 RRF -.1566 RTF -.8325 CRT -.6704 CRS -.7678 CST .9895
 FDE -.6217 FRA 1.1123 FC3 -.1762 BSP 4664 SGB 1604.3 R23 -.0157 R13 -.8329 LSA 989.9 MSA 273.5 SSA 16.5
 BDE 1.0451 BRA 2.1434 BC3 .2020 FSP -195 SGI 1531.3 SG2 478.3 THA 3.07 EL1 757.6 EL2 273.3 ALF 155.72

LAUNCH DATE MAY 1 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 226.208

RL 150.72 LAL .00 LOL 219.95 VL 23.621 GAL 13.37 AZL 92.59 MCA 85.99 SMA 110.31 ECC .42486 INC 2.5903 V1 29.562
 RP 108.94 LAP -2.58 LOP 305.93 VP 35.119 GAP -25.13 AZP 90.18 TAL 160.39 TAP 246.38 RCA 63.44 APO 157.18 V2 34.785
 RC 50.440 GL -7.14 GP 4.21 ZAL 53.08 ZAP 12.14 ETS 201.67 ZAE 150.57 ETE 154.99 ZAC 125.27 ETC 22.38 CLP 11.39

PLANETOCENTRIC CONIC

C3 69.871 VML 8.359 DLA -1.52 RAL 165.45 RAD 6569.3 VEL 13.828 PTH 2.53 VMP 15.278 OPA 22.50 RAP 142.01 ECC 2.1499
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 1 1 2476.82 -24.95 58.80 47.97 103.85 8 42 18 1876.8 -22.80 50.79
 90.00 19 36 30 5215.16 26.32 234.32 49.28 79.16 21 3 25 4615.2 24.56 226.09
 100.00 9 21 40 2216.71 -26.34 39.28 47.58 104.66 9 58 36 1616.7 -24.07 31.22
 100.00 20 58 33 4950.50 27.74 214.54 48.96 78.38 22 21 4 4350.5 25.85 206.25
 110.00 10 28 17 2008.16 -30.12 22.24 46.37 106.99 11 1 45 1408.2 -27.50 14.02
 110.00 22 8 25 4731.81 31.56 196.94 47.97 76.14 23 27 17 4131.8 29.34 188.44

DIFFERENTIAL CORRECTIONS

TDE .8634 TRA-2.1012 TC3 -.1926 BAU .1906
 RDE -.5576 RRA -.3921 RC3 .0676 FAU .01600
 FDE -.6524 FRA 1.1479 FC3 -.1983 BSP 4886
 BDE 1.0278 BRA 2.1375 BC3 .2041 FSP -213

MID-COURSE EXECUTION ACCURACY

SGT 1590.5 SGR 480.7 SG3 83.3
 RRT .1632 RRF -.1686 RTF -.8426
 SGB 1661.6 R23 -.0179 R13 -.8430
 SGI 1592.6 SG2 473.7 TMA 3.70

ORBIT DETERMINATION ACCURACY

ST 732.9 SR 390.6 SS 667.6
 CRT -.6684 CRS -.7685 CST .9890
 LSA 1030.3 MSA 271.3 SSA 16.6
 EL1 784.9 EL2 271.3 ALF 157.57

LAUNCH DATE MAY 1 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC

DISTANCE 232.813

RL 150.72 LAL .00 LOL 219.95 VL 23.909 GAL 12.80 AZL 92.70 MCA 89.15 SMA 111.58 ECC .40755 INC 2.7017 V1 29.562
 RP 108.94 LAP -2.70 LOP 309.10 VP 35.313 GAP -24.02 AZP 90.04 TAL 159.87 TAP 249.02 RCA 66.11 APO 157.06 V2 34.784
 RC 49.035 GL -7.89 GP 4.44 ZAL 52.66 ZAP 10.98 ETS 205.18 ZAE 152.10 ETE 151.77 ZAC 123.49 ETC 21.86 CLP 10.05

PLANETOCENTRIC CONIC

C3 64.096 VML 8.006 DLA -2.41 RAL 165.62 RAD 6569.2 VEL 13.618 PTH 2.49 VMP 14.648 OPA 22.19 RAP 143.96 ECC 2.0549
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 8 15 2428.76 -24.12 55.52 46.31 105.30 8 48 44 1828.8 -21.79 47.63
 90.00 19 30 35 5222.05 26.41 234.80 48.31 79.39 20 57 37 4622.0 24.68 226.56
 100.00 9 28 28 2169.98 -25.50 36.07 45.88 106.15 10 4 38 1570.0 -23.04 28.13
 100.00 20 53 3 4956.06 27.81 214.94 48.00 78.57 22 15 39 4356.1 25.95 206.63
 110.00 10 34 9 1964.40 -29.21 19.15 44.57 108.60 11 6 53 1364.4 -26.39 11.10
 110.00 22 3 52 4734.40 31.60 197.13 47.03 76.24 23 22 46 4134.4 29.39 188.63

DIFFERENTIAL CORRECTIONS

TDE .8680 TRA-2.0955 TC3 -.1902 BAU .1755
 RDE -.5204 RRA -.3777 RC3 .0761 FAU .01654
 FDE -.6855 FRA 1.1849 FC3 -.2234 BSP 5116
 BDE 1.0121 BRA 2.1293 BC3 .2048 FSP -233

MID-COURSE EXECUTION ACCURACY

SGT 1652.8 SGR 476.2 SG3 90.2
 RRT .1749 RRF -.1821 RTF -.8522
 SGB 1720.0 R23 -.0204 R13 -.8526
 SGI 1655.0 SG2 468.2 TMA 3.14

ORBIT DETERMINATION ACCURACY

ST 767.3 SR 381.2 SS 699.6
 CRT -.6661 CRS -.7688 CST .9885
 LSA 1073.0 MSA 268.4 SSA 16.7
 EL1 813.8 EL2 268.1 ALF 159.34

LAUNCH DATE MAY 1 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC

DISTANCE 239.447

RL 150.72 LAL .00 LOL 219.95 VL 24.179 GAL 12.25 AZL 92.81 MCA 92.31 SMA 112.81 ECC .39102 INC 2.8130 V1 29.562
 RP 108.94 LAP -2.81 LOP 312.26 VP 35.496 GAP -22.94 AZP 89.89 TAL 159.38 TAP 251.69 RCA 68.70 APO 156.92 V2 34.784
 RC 47.750 GL -8.69 GP 4.70 ZAL 52.31 ZAP 9.88 ETS 209.66 ZAE 153.66 ETE 148.00 ZAC 121.71 ETC 21.38 CLP 8.70

PLANETOCENTRIC CONIC

C3 58.854 VML 7.672 DLA -3.32 RAL 165.71 RAD 6569.1 VEL 13.424 PTH 2.45 VMP 14.037 OPA 21.89 RAP 145.90 ECC 1.9686
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 15 25 2379.70 -23.20 52.22 44.60 106.70 8 55 5 1779.7 -20.69 44.45
 90.00 19 24 9 5229.72 26.50 235.35 47.27 79.65 20 51 19 4629.7 24.81 227.09
 100.00 9 35 13 2122.31 -24.56 32.84 44.14 107.60 10 10 35 1522.3 -21.92 25.03
 100.00 20 47 3 4962.35 27.89 215.38 46.97 78.80 22 9 45 4362.3 26.07 207.06
 110.00 10 39 54 1919.80 -28.20 16.08 42.75 110.17 11 11 54 1319.8 -25.19 8.19
 110.00 21 58 51 4737.62 31.66 197.37 46.02 76.37 23 17 49 4137.6 29.46 188.85

DIFFERENTIAL CORRECTIONS

TDE .8728 TRA-2.0883 TC3 -.1857 BAU .1609
 RDE -.4839 RRA -.3640 RC3 .0855 FAU .01713
 FDE -.7213 FRA 1.2237 FC3 -.2520 BSP 5344
 BDE .9980 BRA 2.1198 BC3 .2044 FSP -255

MID-COURSE EXECUTION ACCURACY

SGT 1716.6 SGR 471.1 SG3 97.7
 RRT .1885 RRF -.1978 RTF -.8612
 SGB 1780.1 R23 -.0232 R13 -.8617
 SGI 1719.1 SG2 462.0 TMA 3.19

ORBIT DETERMINATION ACCURACY

ST 802.9 SR 370.5 SS 733.5
 CRT -.6633 CRS -.7684 CST .9880
 LSA 1117.8 MSA 264.9 SSA 16.8
 EL1 844.0 EL2 263.8 ALF 161.06

LAUNCH DATE MAY 1 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 246.107

RL 150.72 LAL .00 LOL 219.95 VL 24.431 GAL 11.73 AZL 92.92 MCA 95.47 SMA 114.00 ECC .37524 INC 2.9247 V1 29.562
 RP 108.94 LAP -2.91 LOP 315.42 VP 35.669 GAP -21.90 AZP 89.72 TAL 158.93 TAP 254.40 RCA 71.22 APO 156.78 V2 34.785
 RC 46.594 GL -9.55 GP 4.99 ZAL 52.04 ZAP 8.86 ETS 215.41 ZAE 155.20 ETE 143.56 ZAC 119.92 ETC 20.93 CLP 7.34

PLANETOCENTRIC CONIC

C3 54.101 VML 7.355 DLA -4.26 RAL 165.73 RAD 6569.0 VEL 13.246 PTH 2.42 VMP 13.446 OPA 21.61 RAP 147.83 ECC 1.8904
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 22 34 2329.64 -22.18 48.90 42.86 108.06 9 1 24 1729.6 -19.51 41.25
 90.00 19 17 11 5238.41 26.61 235.96 46.17 79.94 20 44 30 4638.4 24.95 227.68
 100.00 9 41 55 2073.69 -23.52 29.60 42.38 109.01 10 16 28 1473.7 -20.71 21.93
 100.00 20 40 32 4969.59 27.99 215.90 45.89 79.05 22 3 21 4369.6 26.19 207.56
 110.00 10 45 34 1874.38 -27.10 13.00 40.91 111.68 11 16 49 1274.4 -23.91 5.29
 110.00 21 53 21 4741.66 31.72 197.67 44.96 76.54 23 12 23 4141.7 29.54 189.13

DIFFERENTIAL CORRECTIONS

TDE .8786 TRA-2.0784 TC3 -.1786 BAU .1466
 RDE -.4479 RRA -.3509 RC3 .0959 FAU .01779
 FDE -.7605 FRA 1.2643 FC3 -.2847 BSP 5585
 BDE .9862 BRA 2.1078 BC3 .2027 FSP -279

MID-COURSE EXECUTION ACCURACY

SGT 1781.3 SGR 465.5 SG3 105.9
 RRT .2040 RRF -.2157 RTF -.8699
 SGB 1841.1 R23 -.0264 R13 -.8703
 SGI 1784.0 SG2 455.1 TMA 3.26

ORBIT DETERMINATION ACCURACY

ST 840.0 SR 358.5 SS 769.6
 CRT -.6600 CRS -.7675 CST .9876
 LSA 1165.4 MSA 260.7 SSA 16.8
 EL1 876.1 EL2 258.2 ALF 162.72

LAUNCH DATE MAY 1 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC
 RL 150.72 LAL .00 LOL 219.95 VL 24.667 GAL 11.23 AZL 93.04 MCA 98.63 SMA 115.14 ECC .36022 INC 3.0376 V1 29.562
 RP 108.94 LAP -3.00 LOP 318.59 VP 35.832 GAP -20.90 AZP 89.54 TAL 158.51 TAP 257.14 RCA 73.67 APO 156.62 V2 34.786
 RC 45.578 GL -10.47 GP 5.31 ZAL 51.83 ZAP 7.98 ETS 222.80 ZAE 156.68 ETE 138.33 ZAC 118.13 ETC 20.51 CLP 5.96

PLANETOCENTRIC CONIC
 C3 49.799 VML 7.057 OLA -5.23 RAL 165.68 RAD 6568.8 VEL 13.083 PTH 2.39 VMP 12.874 CPA 21.33 RAP 149.75 ECC 1.8196
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 29 42 2278.54 -21.07 45.57 41.11 109.37 9 7 41 1678.5 -18.23 38.05
 90.00 19 9 38 5248.36 26.73 236.66 45.03 80.27 20 37 6 4648.4 25.11 228.37
 100.00 9 48 35 2024.10 -22.38 26.35 40.60 110.35 10 22 19 1424.1 -19.41 18.82
 100.00 20 33 27 4978.03 28.10 216.51 44.75 79.35 21 56 25 4378.0 26.34 208.15
 110.00 10 51 10 1828.15 -25.90 9.95 39.06 113.14 11 21 38 1228.2 -22.54 2.40
 110.00 21 47 21 4746.74 31.80 198.04 43.85 76.75 23 6 28 4146.7 29.65 189.49

DIFFERENTIAL CORRECTIONS
 TOE .8847 TRA-2.0669 TC3 -.1688 BAU .1332
 ROE -.4123 RRA -.3387 RC3 .1072 FAU .01850
 FOE -.8033 FRA 1.3070 FC3 -.3217 BSP 5819
 BOE .9760 BRA 2.0944 BC3 .2000 FSP -306

MID-COURSE EXECUTION ACCURACY
 SGT 1847.3 SGR 459.6 SG3 114.9
 RRT .2224 RRF -.2367 RTF -.8780
 SGB 1903.6 R23 -.0300 R13 -.8785
 SG1 1850.3 SG2 447.3 TMA 3.36

ORBIT DETERMINATION ACCURACY
 ST 878.4 SR 344.9 SS 808.1
 CRT -.6556 CRS -.7655 CST .9873
 LSA 1215.6 MSA 256.0 SSA 16.9
 EL1 909.5 EL2 251.5 ALF 164.34

LAUNCH DATE MAY 1 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC
 RL 150.72 LAL .00 LOL 219.95 VL 24.887 GAL 10.75 AZL 93.15 MCA 101.79 SMA 116.25 ECC .34593 INC 3.1524 V1 29.562
 RP 108.93 LAP -3.09 LOP 321.75 VP 35.986 GAP -19.93 AZP 89.36 TAL 158.13 TAP 259.92 RCA 76.03 APO 156.46 V2 34.788
 RC 44.711 GL -11.45 GP 5.66 ZAL 51.70 ZAP 7.28 ETS 232.12 ZAE 158.03 ETE 132.20 ZAC 116.35 ETC 20.12 CLP 4.58

PLANETOCENTRIC CONIC
 C3 45.911 VML 6.776 OLA -6.24 RAL 165.56 RAD 6568.7 VEL 12.933 PTH 2.36 VMP 12.321 CPA 21.08 RAP 151.67 ECC 1.7556
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 36 53 2226.37 -19.85 42.23 39.35 110.62 9 14 0 1626.4 -16.87 34.82
 90.00 19 1 27 5259.84 26.85 237.48 43.84 80.66 20 29 6 4659.8 25.29 229.16
 100.00 9 55 16 1973.54 -21.15 23.11 38.81 111.64 10 28 9 1373.5 -18.02 15.70
 100.00 20 25 45 4987.91 28.22 217.22 43.57 79.71 21 48 53 4387.9 26.51 208.83
 110.00 10 56 43 1781.12 -24.60 6.91 37.22 114.52 11 26 24 1181.1 -21.08 359.52
 110.00 21 40 47 4753.09 31.90 198.51 42.70 77.01 23 0 0 4153.1 29.78 189.94

DIFFERENTIAL CORRECTIONS
 TOE .8914 TRA-2.0531 TC3 -.1562 BAU .1207
 ROE -.3772 RRA -.3274 RC3 .1196 FAU .01929
 FOE -.8504 FRA 1.3521 FC3 -.3637 BSP 6056
 BOE .9679 BRA 2.0790 BC3 .1967 FSP -335

MID-COURSE EXECUTION ACCURACY
 SGT 1913.9 SGR 453.4 SG3 124.7
 RRT .2440 RRF -.2611 RTF -.8857
 SGB 1966.9 R23 -.0341 R13 -.8862
 SG1 1917.3 SG2 438.9 TMA 3.49

ORBIT DETERMINATION ACCURACY
 ST 918.0 SR 329.7 SS 849.2
 CRT -.6497 CRS -.7620 CST .9869
 LSA 1268.6 MSA 250.7 SSA 16.9
 EL1 944.5 EL2 243.6 ALF 165.91

LAUNCH DATE MAY 1 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC
 RL 150.72 LAL .00 LOL 219.95 VL 25.093 GAL 10.29 AZL 93.27 MCA 104.95 SMA 117.30 ECC .33237 INC 3.2699 V1 29.562
 RP 108.92 LAP -3.16 LOP 324.92 VP 36.132 GAP -18.99 AZP 89.16 TAL 157.79 TAP 262.74 RCA 78.31 APO 156.29 V2 34.791
 RC 44.000 GL -12.49 GP 6.06 ZAL 51.65 ZAP 6.84 ETS 243.36 ZAE 159.16 ETE 125.12 ZAC 114.56 ETC 19.75 CLP 3.17

PLANETOCENTRIC CONIC
 C3 42.406 VML 6.512 OLA -7.29 RAL 165.35 RAD 6568.6 VEL 12.797 PTH 2.33 VMP 11.785 CPA 20.86 RAP 153.57 ECC 1.6979
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 44 9 2173.09 -18.54 38.87 37.59 111.79 9 20 22 1573.1 -15.42 31.59
 90.00 18 52 33 5273.15 27.00 238.43 42.61 81.12 20 20 27 4673.2 25.49 230.08
 100.00 10 2 0 1921.96 -19.82 19.85 37.03 112.85 10 34 2 1322.0 -16.55 12.58
 100.00 20 17 24 4999.52 28.36 218.05 42.36 80.13 21 40 43 4399.5 26.70 209.64
 110.00 11 2 15 1733.29 -23.22 3.88 35.38 115.82 11 31 8 1133.3 -19.55 356.66
 110.00 21 33 38 4760.95 32.02 199.09 41.52 77.33 22 52 59 4161.0 29.94 190.50

DIFFERENTIAL CORRECTIONS
 TOE .8994 TRA-2.0373 TC3 -.1403 BAU .1096
 ROE -.3423 RRA -.3173 RC3 .1331 FAU .02015
 FOE -.9026 FRA 1.3997 FC3 -.4115 BSP 6294
 BOE .9623 BRA 2.0618 BC3 .1934 FSP -367

MID-COURSE EXECUTION ACCURACY
 SGT 1981.2 SGR 447.2 SG3 135.5
 RRT .2693 RRF -.2897 RTF -.8929
 SGB 2031.1 R23 -.0388 R13 -.8935
 SG1 1985.1 SG2 429.8 TMA 3.65

ORBIT DETERMINATION ACCURACY
 ST 959.2 SR 312.8 SS 893.4
 CRT -.6418 CRS -.7566 CST .9866
 LSA 1325.0 MSA 245.0 SSA 16.9
 EL1 981.3 EL2 234.5 ALF 167.45

LAUNCH DATE MAY 1 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC
 RL 150.72 LAL .00 LOL 219.95 VL 25.285 GAL 9.85 AZL 93.39 MCA 108.11 SMA 118.31 ECC .31952 INC 3.3910 V1 29.562
 RP 108.91 LAP -3.22 LOP 328.09 VP 36.269 GAP -18.09 AZP 88.94 TAL 157.48 TAP 265.59 RCA 80.51 APO 156.12 V2 34.795
 RC 43.455 GL -13.60 GP 6.50 ZAL 51.69 ZAP 6.73 ETS 255.89 ZAE 159.99 ETE 117.16 ZAC 112.79 ETC 19.41 CLP 1.75

PLANETOCENTRIC CONIC
 C3 39.253 VML 6.265 OLA -8.38 RAL 165.07 RAD 6568.5 VEL 12.674 PTH 2.30 VMP 11.268 CPA 20.68 RAP 155.47 ECC 1.6460
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 51 32 2118.63 -17.13 35.50 35.84 112.90 9 26 51 1518.6 -13.88 28.33
 90.00 18 42 55 5288.61 27.16 239.53 41.37 81.65 20 11 3 4688.6 25.72 231.16
 100.00 10 8 49 1869.32 -18.39 16.59 35.26 113.99 10 39 58 1269.3 -14.99 9.45
 100.00 20 8 19 5013.16 28.51 219.03 41.13 80.62 21 31 52 4413.2 26.92 210.59
 110.00 11 7 48 1684.64 -21.74 .88 33.56 117.05 11 35 52 1084.6 -17.94 353.81
 110.00 21 25 50 4770.60 32.16 199.81 40.32 77.74 22 45 20 4170.6 30.14 191.18

DIFFERENTIAL CORRECTIONS
 TOE .9085 TRA-2.0194 TC3 -.1209 BAU .1002
 ROE -.3075 RRA -.3084 RC3 .1478 FAU .02110
 FOE -.9607 FRA 1.4501 FC3 -.4654 BSP 6527
 BOE .9591 BRA 2.0429 BC3 .1910 FSP -402

MID-COURSE EXECUTION ACCURACY
 SGT 2048.9 SGR 441.2 SG3 147.4
 RRT .2993 RRF -.3232 RTF -.8997
 SGB 2095.9 R23 -.0441 R13 -.9004
 SG1 2053.3 SG2 420.1 TMA 3.85

ORBIT DETERMINATION ACCURACY
 ST 1001.9 SR 293.9 SS 940.8
 CRT -.6306 CRS -.7482 CST .9864
 LSA 1385.0 MSA 238.9 SSA 16.9
 EL1 1019.8 EL2 224.1 ALF 168.98

LAUNCH DATE MAY 1 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 279.654

RL 150.72 LAL .00 LOL 219.95 VL 25.464 GAL 9.43 AZL 93.52 MCA 111.27 SMA 119.28 ECC .30737 INC 3.5165 V1 29.562
 RP 108.90 LAP -3.28 LOP 331.25 VP 36.398 GAP -17.21 AZP 88.72 TAL 157.21 TAP 268.48 RCA 82.62 APO 155.94 V2 34.799
 RC 43.079 GL -14.79 GP 7.00 ZAL 51.81 ZAP 7.01 ETS 268.43 ZAE 160.42 ETE 108.54 ZAC 111.01 ETC 19.08 CLP .30

PLANETOCENTRIC CONIC

C3 36.426 VHL 6.035 DLA -9.52 RAL 164.70 RAD 6568.4 VEL 12.562 PTM 2.28 VMP 10.769 DPA 20.54 RAP 157.36 ECC 1.5995
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 59 7 2062.89 -15.62 32.10 34.11 113.92 9 33 30 1462.9 -12.26 25.04
 90.00 18 32 26 5306.58 27.33 240.82 40.10 82.27 20 0 52 4706.6 25.97 232.41
 100.00 10 15 47 1815.55 -16.87 13.32 33.51 115.05 10 46 2 1215.6 -13.36 6.29
 100.00 19 58 27 5029.15 28.68 220.19 39.88 81.21 21 22 16 4429.1 27.17 211.72
 110.00 11 13 23 1635.17 -20.18 357.89 31.76 118.20 11 40 38 1035.2 -16.25 350.96
 110.00 21 17 20 4782.30 32.33 200.68 39.11 78.23 22 37 2 4182.3 30.37 192.01

DIFFERENTIAL CORRECTIONS

TDE .9193 TRA-1.9994 TC3 -.0975 BAU .0929
 RDE -.2725 RRA -.3011 RC3 .1639 FAU .02214
 FDE-1.0255 FRA 1.5037 FC3 -.5262 BSP 6763
 BDE .9588 BRA 2.0219 BC3 .1907 FSP -441

MID-COURSE EXECUTION ACCURACY

SGT 2116.5 SGR 436.0 SG3 160.4
 RRT .3347 RRF -.3624 RTF -.9062
 SGB 2160.9 R23 -.0502 R13 -.9070
 SGI 2121.7 SG2 409.8 TMA 4.10

ORBIT DETERMINATION ACCURACY

ST 1046.4 SR 273.0 SS 992.0
 CRT -.6146 CRS -.7352 CST .9862
 LSA 1448.9 MSA 232.4 SSA 16.8
 EL1 1060.3 EL2 212.5 ALF 170.51

LAUNCH DATE MAY 1 1967

FLIGHT TIME 120.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 286.391

RL 150.72 LAL .00 LOL 219.95 VL 25.631 GAL 9.04 AZL 93.65 MCA 114.43 SMA 120.20 ECC .29589 INC 3.6476 V1 29.562
 RP 108.88 LAP -3.32 LOP 334.42 VP 36.519 GAP -16.37 AZP 88.49 TAL 156.98 TAP 271.41 RCA 84.63 APO 155.77 V2 34.804
 RC 42.876 GL -16.06 GP 7.56 ZAL 52.01 ZAP 7.65 ETS 279.67 ZAE 160.40 ETE 99.68 ZAC 109.25 ETC 18.78 CLP -1.18

PLANETOCENTRIC CONIC

C3 33.902 VHL 5.823 DLA -10.71 RAL 164.26 RAD 6568.3 VEL 12.461 PTM 2.25 VMP 10.287 DPA 20.46 RAP 159.24 ECC 1.5579
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 6 57 2005.75 -14.02 28.67 32.41 114.86 9 40 23 1405.7 -10.55 21.71
 90.00 18 21 1 5327.45 27.51 242.32 38.83 83.00 19 49 49 4727.4 26.25 233.88
 100.00 10 22 57 1760.37 -15.26 10.04 31.79 116.02 10 52 17 1160.6 -11.64 3.12
 100.00 19 47 43 5047.86 28.87 221.55 38.62 81.90 21 11 50 4447.9 27.45 213.04
 110.00 11 19 4 1584.83 -18.53 354.91 30.00 119.25 11 45 29 984.8 -14.49 348.12
 110.00 21 8 5 4796.36 32.52 201.74 37.90 78.82 22 28 1 4196.4 30.63 193.02

DIFFERENTIAL CORRECTIONS

TDE .9326 TRA-1.9766 TC3 -.0699 BAU .0880
 RDE -.2372 RRA -.2956 RC3 .1812 FAU .02328
 FDE-1.0984 FRA 1.5806 FC3 -.5945 BSP 7018
 BDE .9623 BRA 1.9986 BC3 .1942 FSP -484

MID-COURSE EXECUTION ACCURACY

SGT 2183.5 SGR 432.0 SG3 174.7
 RRT .3760 RRF -.4080 RTF -.9125
 SGB 2225.8 R23 -.0573 R13 -.9134
 SGI 2189.7 SG2 399.2 TMA 4.40

ORBIT DETERMINATION ACCURACY

ST 1093.1 SR 249.8 SS 1047.4
 CRT -.5913 CRS -.7151 CST .9862
 LSA 1517.6 MSA 225.6 SSA 16.7
 EL1 1103.4 EL2 199.6 ALF 172.04

LAUNCH DATE MAY 1 1967

FLIGHT TIME 122.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 293.131

RL 150.72 LAL .00 LOL 219.95 VL 25.786 GAL 8.66 AZL 93.79 MCA 117.60 SMA 121.07 ECC .28506 INC 3.7855 V1 29.562
 RP 108.87 LAP -3.35 LOP 337.59 VP 36.633 GAP -15.55 AZP 88.24 TAL 156.78 TAP 274.38 RCA 86.56 APO 155.59 V2 34.809
 RC 42.849 GL -17.40 GP 8.20 ZAL 52.31 ZAP 8.63 ETS 288.93 ZAE 159.92 ETE 91.06 ZAC 107.49 ETC 18.48 CLP -2.69

PLANETOCENTRIC CONIC

C3 31.659 VHL 5.627 DLA -11.95 RAL 163.72 RAD 6568.3 VEL 12.371 PTM 2.23 VMP 9.823 DPA 20.44 RAP 161.12 ECC 1.5210
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 15 8 1947.03 -12.31 25.21 30.75 115.70 9 47 35 1347.0 -8.75 18.34
 90.00 18 8 35 5351.67 27.70 244.07 37.56 83.86 19 37 47 4751.7 26.56 235.59
 100.00 10 30 23 1704.23 -13.55 6.73 30.12 116.90 10 58 48 1104.2 -9.83 359.91
 100.00 19 36 1 5069.71 29.07 223.14 37.37 82.72 21 0 30 4469.7 27.76 214.59
 110.00 11 24 53 1533.57 -16.80 351.95 28.28 120.22 11 50 27 933.6 -12.66 345.28
 110.00 20 58 0 4813.13 32.73 203.00 36.71 79.54 22 18 13 4213.1 30.94 194.23

DIFFERENTIAL CORRECTIONS

TDE .9468 TRA-1.9524 TC3 -.0398 BAU .0863
 RDE -.2010 RRA -.2920 RC3 .2001 FAU .02452
 FDE-1.1807 FRA 1.6210 FC3 -.6706 BSP 7238
 BDE .9679 BRA 1.9742 BC3 .2040 FSP -532

MID-COURSE EXECUTION ACCURACY

SGT 2249.8 SGR 430.1 SG3 190.5
 RRT .4240 RRF -.4605 RTF -.9181
 SGB 2290.5 R23 -.0654 R13 -.9191
 SGI 2257.4 SG2 388.2 TMA 4.78

ORBIT DETERMINATION ACCURACY

ST 1140.7 SR 224.2 SS 1107.3
 CRT -.5543 CRS -.6831 CST .9862
 LSA 1590.4 MSA 218.9 SSA 16.5
 EL1 1147.7 EL2 185.4 ALF 173.62

LAUNCH DATE MAY 1 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 299.871

RL 150.72 LAL .00 LOL 219.95 VL 25.930 GAL 8.30 AZL 93.93 MCA 120.76 SMA 121.90 ECC .27488 INC 3.9316 V1 29.562
 RP 108.85 LAP -3.38 LOP 340.77 VP 36.741 GAP -14.75 AZP 87.99 TAL 156.62 TAP 277.39 RCA 88.39 APO 155.41 V2 34.815
 RC 42.995 GL -18.84 GP 8.92 ZAL 52.70 ZAP 9.87 ETS 296.14 ZAE 159.01 ETE 83.14 ZAC 105.75 ETC 18.22 CLP -4.24

PLANETOCENTRIC CONIC

C3 29.680 VHL 5.448 DLA -13.26 RAL 163.10 RAD 6568.2 VEL 12.290 PTM 2.21 VMP 9.376 DPA 20.51 RAP 162.99 ECC 1.4885
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 23 47 1886.51 -10.50 21.68 29.14 116.45 9 55 13 1286.5 -6.86 14.89
 90.00 17 54 59 5379.78 27.89 246.10 36.30 84.86 19 24 38 4779.8 26.88 237.58
 100.00 10 38 13 1646.37 -11.74 3.38 28.49 117.69 11 5 39 1046.4 -7.94 356.65
 100.00 19 23 14 5095.15 29.28 225.01 36.14 83.68 20 48 9 4495.2 28.09 216.41
 110.00 11 30 55 1481.32 -14.99 348.98 26.61 121.09 11 55 36 881.3 -10.76 342.43
 110.00 20 47 1 4832.97 32.97 204.50 35.54 80.40 22 7 34 4233.0 31.29 195.67

DIFFERENTIAL CORRECTIONS

TDE .9645 TRA-1.9257 TC3 -.0052 BAU .0875
 RDE -.1636 RRA -.2907 RC3 .2206 FAU .02589
 FDE-1.2741 FRA 1.6851 FC3 -.7552 BSP 7471
 BDE .9783 BRA 1.9475 BC3 .2206 FSP -585

MID-COURSE EXECUTION ACCURACY

SGT 2314.8 SGR 431.3 SG3 207.9
 RRT .4785 RRF -.5196 RTF -.9235
 SGB 2354.6 R23 -.0748 R13 -.9247
 SGI 2324.2 SG2 377.2 TMA 5.23

ORBIT DETERMINATION ACCURACY

ST 1191.1 SR 196.3 SS 1172.4
 CRT -.4948 CRS -.6296 CST .9863
 LSA 1669.3 MSA 212.1 SSA 16.2
 EL1 1195.1 EL2 170.0 ALF 175.24

LAUNCH DATE MAY 1 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

RL 150.72 LAL .00 LOL 219.95 VL 26.064 GAL 7.96 AZL 94.09 MCA 123.92 SMA 122.69 ECC .26531 INC 4.0877 V1 29.562
 RP 108.83 LAP -3.39 LOP 343.94 VP 36.842 GAP -13.98 AZP 87.72 TAL 156.50 TAP 280.43 RCA 90.14 APO 155.24 V2 34.822
 RC 43.312 GL -20.37 GP 9.75 ZAL 53.19 ZAP 11.35 ETS 301.59 ZAE 157.73 ETE 76.21 ZAC 104.02 ETC 17.95 CLP -5.83

PLANETOCENTRIC CONIC

C3 27.948 VHL 5.287 DLA -14.62 RAL 162.39 RAD 6568.1 VEL 12.220 PTH 2.20 VMP 8.947 DPA 20.68 RAP 164.86 ECC 1.4599
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 33 2 1823.83 -8.57 18.08 27.59 117.09 10 3 26 1223.8 -4.87 11.36
 90.00 17 40 3 5412.40 28.06 248.47 35.06 86.04 19 10 15 4812.4 27.22 239.91
 100.00 10 46 31 1586.72 -9.83 359.98 26.92 118.37 11 12 58 986.7 -5.97 353.33
 100.00 19 9 14 5124.75 29.48 227.19 34.93 84.80 20 34 39 4524.8 28.45 218.53
 110.00 11 37 13 1427.94 -13.09 346.01 25.00 121.86 12 1 1 827.9 -8.78 339.56
 110.00 20 35 2 4856.30 33.22 206.27 34.40 81.42 21 55 58 4256.3 31.68 197.38

DIFFERENTIAL CORRECTIONS

TDE .9871 TRA-1.8951 TC3 .0358 BAW .0917
 RDE -.1242 RRA -.2920 RC3 .2428 FAU .02742
 FDE-1.3813 FRA 1.7524 FC3 -.8494 BSP 7748
 BDE .9949 BRA 1.9175 BC3 .2454 FSP -645

MID-COURSE EXECUTION ACCURACY

SGT 2377.3 SGR 437.0 SG3 227.0
 RRT .5391 RRF -.5846 RTF -.9291
 SGB 2417.1 R23 -.0849 R13 -.9305
 SG1 2389.2 SG2 366.3 TMA 5.80

ORBIT DETERMINATION ACCURACY

ST 1245.0 SR 166.7 SS 1243.8
 CRT -.3924 CRS -.5348 CST .9868
 LSA 1755.7 MSA 204.9 SSA 15.8
 EL1 1246.7 EL2 153.1 ALF 176.95

LAUNCH DATE MAY 1 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

RL 150.72 LAL .00 LOL 219.95 VL 26.187 GAL 7.64 AZL 94.26 MCA 127.09 SMA 123.42 ECC .25635 INC 4.2560 V1 29.562
 RP 108.80 LAP -3.39 LOP 347.11 VP 36.936 GAP -13.23 AZP 87.43 TAL 156.41 TAP 283.50 RCA 91.78 APO 155.06 V2 34.830
 RC 43.796 GL -21.99 GP 10.70 ZAL 53.78 ZAP 13.03 ETS 305.64 ZAE 156.15 ETE 70.40 ZAC 102.30 ETC 17.70 CLP -7.47

PLANETOCENTRIC CONIC

C3 26.452 VHL 5.143 DLA -16.06 RAL 161.58 RAD 6568.1 VEL 12.158 PTH 2.18 VMP 8.536 DPA 20.97 RAP 166.74 ECC 1.4353
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 43 5 1758.55 -6.53 14.37 26.13 117.61 10 12 24 1158.5 -2.78 7.70
 90.00 17 23 34 5450.34 28.21 251.24 33.85 87.42 18 54 24 4850.3 27.55 242.63
 100.00 10 55 29 1524.93 -7.81 356.51 25.44 118.94 11 20 54 924.9 -3.89 349.91
 100.00 18 53 51 5159.19 29.66 229.73 33.76 86.13 20 19 50 4559.2 28.81 221.03
 110.00 11 43 54 1373.27 -11.10 343.02 23.45 122.54 12 6 48 773.3 -6.73 336.65
 110.00 20 21 55 4883.61 33.47 208.36 33.32 82.63 21 43 19 4283.6 32.09 199.40

DIFFERENTIAL CORRECTIONS

TDE 1.0110 TRA-1.8646 TC3 .0759 BAW .0981
 RDE -.0820 RRA -.2965 RC3 .2669 FAU .02902
 FDE-1.5030 FRA 1.8244 FC3 -.9499 BSP 7966
 BDE 1.0143 BRA 1.8880 BC3 .2774 FSP -709

MID-COURSE EXECUTION ACCURACY

SGT 2438.5 SGR 449.3 SG3 247.9
 RRT .6038 RRF -.6534 RTF -.9339
 SGB 2479.6 R23 -.0969 R13 -.9356
 SG1 2453.9 SG2 355.9 TMA 6.48

ORBIT DETERMINATION ACCURACY

ST 1299.6 SR 138.0 SS 1320.8
 CRT -.2009 CRS -.3534 CST .9871
 LSA 1847.4 MSA 198.7 SSA 15.4
 EL1 1299.9 EL2 135.2 ALF 178.76

LAUNCH DATE MAY 1 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

RL 150.72 LAL .00 LOL 219.95 VL 26.302 GAL 7.33 AZL 94.44 MCA 130.26 SMA 124.12 ECC .24797 INC 4.4390 V1 29.562
 RP 108.78 LAP -3.39 LOP 350.29 VP 37.025 GAP -12.51 AZP 87.13 TAL 156.35 TAP 286.61 RCA 93.34 APO 154.90 V2 34.838
 RC 44.440 GL -23.72 GP 11.80 ZAL 54.48 ZAP 14.91 ETS 308.60 ZAE 154.36 ETE 65.70 ZAC 100.59 ETC 17.45 CLP -9.17

PLANETOCENTRIC CONIC

C3 25.183 VHL 5.018 DLA -17.56 RAL 160.68 RAD 6568.0 VEL 12.106 PTH 2.17 VMP 8.145 DPA 21.41 RAP 168.63 ECC 1.4145
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 54 13 1689.96 -4.35 10.51 24.77 118.01 10 22 23 1090.0 -5.57 3.87
 90.00 17 5 14 5494.63 28.30 254.48 32.68 89.04 18 36 48 4894.6 27.87 245.84
 100.00 11 5 19 1460.50 -5.67 352.92 24.05 119.40 11 29 40 860.5 -1.72 346.37
 100.00 18 36 48 5199.32 29.81 232.70 32.63 87.69 20 3 28 4599.3 29.17 223.96
 110.00 11 51 6 1317.07 -9.03 339.99 21.99 123.11 12 13 3 717.1 -4.61 333.69
 110.00 20 7 31 4915.51 33.73 210.82 32.30 84.07 21 29 26 4315.5 32.54 201.78

DIFFERENTIAL CORRECTIONS

TDE 1.0381 TRA-1.8324 TC3 .1169 BAW .1062
 RDE -.0361 RRA -.3046 RC3 .2929 FAU .03074
 FDE-1.6420 FRA 1.9005 FC3 -1.0566 BSP 8169
 BDE 1.0387 BRA 1.8576 BC3 .3154 FSP -779

MID-COURSE EXECUTION ACCURACY

SGT 2496.9 SGR 470.4 SG3 270.7
 RRT .6695 RRF -.7225 RTF -.9383
 SGB 2540.8 R23 -.1104 R13 -.9404
 SG1 2517.0 SG2 346.8 TMA 7.33

ORBIT DETERMINATION ACCURACY

ST 1355.8 SR 117.3 SS 1404.2
 CRT .1463 CRS -.0095 CST .9875
 LSA 1945.8 MSA 193.0 SSA 14.9
 EL1 1355.9 EL2 116.0 ALF .73

LAUNCH DATE MAY 1 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

RL 150.72 LAL .00 LOL 219.95 VL 26.408 GAL 7.05 AZL 94.64 MCA 133.43 SMA 124.77 ECC .24015 INC 4.6401 V1 29.562
 RP 108.75 LAP -3.37 LOP 353.47 VP 37.109 GAP -11.81 AZP 86.81 TAL 156.32 TAP 289.75 RCA 94.81 APO 154.73 V2 34.846
 RC 45.237 GL -25.57 GP 13.08 ZAL 55.27 ZAP 16.98 ETS 310.69 ZAE 152.40 ETE 62.03 ZAC 98.90 ETC 17.20 CLP -10.92

PLANETOCENTRIC CONIC

C3 24.138 VHL 4.913 DLA -19.15 RAL 159.68 RAD 6568.0 VEL 12.063 PTH 2.16 VMP 7.773 DPA 22.02 RAP 170.55 ECC 1.3972
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 6 48 1617.02 -2.01 6.43 23.54 118.25 10 33 45 1017.0 1.78 359.80
 90.00 16 44 38 5546.71 28.30 258.29 31.54 90.95 18 17 4 4946.7 28.13 249.62
 100.00 11 16 19 1392.68 -3.40 349.17 22.77 119.72 11 39 32 792.7 .58 342.65
 100.00 18 17 48 5246.29 29.89 236.19 31.55 89.52 19 45 14 4646.3 29.50 227.41
 110.00 11 58 59 1259.01 -6.86 336.90 20.63 123.57 12 19 58 659.0 -2.40 330.65
 110.00 19 51 38 4952.72 33.95 213.70 31.35 85.76 21 14 10 4352.7 32.99 204.59

DIFFERENTIAL CORRECTIONS

TDE 1.0705 TRA-1.7978 TC3 .1594 BAW .1157
 RDE .0153 RRA -.3170 RC3 .3212 FAU .03257
 FDE-1.8022 FRA 1.9795 FC3 -1.1683 BSP 8376
 BDE 1.0706 BRA 1.8256 BC3 .3586 FSP -856

MID-COURSE EXECUTION ACCURACY

SGT 2551.3 SGR 503.1 SG3 295.6
 RRT .7326 RRF -.7879 RTF -.9425
 SGB 2600.5 R23 -.1249 R13 -.9451
 SG1 2578.3 SG2 338.9 TMA 8.37

ORBIT DETERMINATION ACCURACY

ST 1414.9 SR 119.1 SS 1495.0
 CRT .5961 CRS .4671 CST .9880
 LSA 2053.2 MSA 187.8 SSA 14.2
 EL1 1416.7 EL2 95.5 ALF 2.89

LAUNCH DATE MAY 1 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 333.501

RL 150.72 LAL .00 LOL 219.95 VL 26.506 GAL 6.78 AZL 94.86 MCA 136.59 SMA 125.58 ECC .23287 INC 4.8636 VI 29.562
 RP 108.72 LAP -3.34 LOP 356.64 VP 37.187 GAP -11.13 AZP 86.46 TAL 156.32 TAP 292.91 RCA 96.18 APO 154.57 V2 34.856
 RC 46.178 GL -27.53 GP 14.57 ZAL 56.18 ZAP 19.27 ETS 312.11 ZAE 150.31 ETE 59.30 ZAC 97.21 ETC 16.94 CLP -12.75

PLANETOCENTRIC CONIC

C3 23.315 VML 4.829 DLA -20.83 RAL 158.56 RAD 6567.9 VEL 12.029 PTH 2.15 VMP 7.422 DPA 22.85 RAP 172.50 ECC 1.3837
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 21 27 1538.04 .54 2.03 22.48 118.31 10 47 5 938.0 4.32 355.39
 90.00 16 21 6 5608.73 28.15 262.81 30.43 93.22 17 54 35 5008.7 28.30 254.15
 100.00 11 28 55 1320.29 -.95 345.20 21.65 119.88 11 50 56 720.3 3.04 338.67
 100.00 17 56 19 5301.71 29.85 240.31 30.52 91.69 19 24 41 4701.7 29.76 231.51
 110.00 12 7 45 1198.58 -4.57 333.71 19.40 123.91 12 27 44 598.6 -.09 327.50
 110.00 19 33 58 4996.19 34.12 217.08 30.49 87.75 20 57 14 4396.2 33.43 207.91

DIFFERENTIAL CORRECTIONS

TDE 1.1104 TRA-1.7589 TC3 .2041 BAU .1269
 RDE .0742 RRA -.3342 RC3 .3521 FAU .03456
 FDE-1.9879 FRA 2.0587 FC3-1.2831 BSP 8628
 BDE 1.1129 BRA 1.7904 BC3 .4070 FSP -943

MID-COURSE EXECUTION ACCURACY

SGT 2600.3 SGR 550.8 SG3 322.5
 RRT .7893 RRF -.8454 RTF -.9468
 SGB 2658.0 R23 -.1394 R13 -.9500
 SGI 2637.0 SG2 333.5 TMA 9.65

ORBIT DETERMINATION ACCURACY

ST 1478.1 SR 155.1 SS 1594.2
 CRT .8782 CRS .7984 CST .9888
 LSA 2171.9 MSA 182.5 SSA 13.4
 EL1 1484.4 EL2 73.9 ALF 5.28

LAUNCH DATE MAY 1 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 340.201

RL 150.72 LAL .00 LOL 219.95 VL 26.595 GAL 6.53 AZL 95.12 MCA 139.77 SMA 125.95 ECC .22612 INC 5.1150 VI 29.562
 RP 108.69 LAP -3.30 LOP 359.82 VP 37.260 GAP -10.46 AZP 86.09 TAL 156.34 TAP 296.11 RCA 97.47 APO 154.42 V2 34.865
 RC 47.255 GL -29.62 GP 16.33 ZAL 57.20 ZAP 21.80 ETS 312.97 ZAE 148.11 ETE 57.42 ZAC 95.52 ETC 16.67 CLP -14.64

PLANETOCENTRIC CONIC

C3 22.724 VML 4.767 DLA -22.61 RAL 157.34 RAD 6567.9 VEL 12.004 PTH 2.14 VMP 7.095 DPA 23.93 RAP 174.52 ECC 1.3740
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 39 12 1450.04 3.38 357.11 21.65 118.13 11 3 22 850.0 7.11 350.43
 90.00 15 53 33 5684.22 27.74 268.30 29.33 95.94 17 28 17 5084.2 28.27 259.67
 100.00 11 43 50 1241.43 1.73 340.87 20.74 119.85 12 4 31 641.4 5.69 334.32
 100.00 17 31 36 5368.07 29.61 245.23 29.52 94.27 19 1 4 4768.1 29.89 236.44
 110.00 12 17 46 1135.03 -2.15 330.38 18.31 124.12 12 36 41 535.0 2.34 324.18
 110.00 19 14 9 5047.24 34.18 221.07 29.72 90.11 20 38 16 4447.2 33.82 211.84

DIFFERENTIAL CORRECTIONS

TDE 1.1538 TRA-1.7212 TC3 .2408 BAU .1380
 RDE .1432 RRA -.3576 RC3 .3850 FAU .03648
 FDE-2.1991 FRA 2.1401 FC3-1.3898 BSP 8810
 BDE 1.1627 BRA 1.7580 BC3 .4541 FSP -1032

MID-COURSE EXECUTION ACCURACY

SGT 2645.3 SGR 617.3 SG3 351.0
 RRT .8366 RRF -.8925 RTF -.9504
 SGB 2716.4 R23 -.1546 R13 -.9544
 SGI 2696.0 SG2 331.8 TMA 11.22

ORBIT DETERMINATION ACCURACY

ST 1541.2 SR 221.9 SS 1699.6
 CRT .9726 CRS .9298 CST .9894
 LSA 2298.1 MSA 178.8 SSA 12.5
 EL1 1556.3 EL2 51.1 ALF 7.98

LAUNCH DATE MAY 1 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 346.888

RL 150.72 LAL .00 LOL 219.95 VL 26.678 GAL 6.29 AZL 95.40 MCA 142.94 SMA 126.47 ECC .21987 INC 5.4018 VI 29.562
 RP 108.66 LAP -3.25 LOP 351.01 VP 37.328 GAP -9.82 AZP 85.68 TAL 156.38 TAP 299.32 RCA 98.67 APO 154.28 V2 34.875
 RC 48.458 GL -31.85 GP 18.41 ZAL 58.34 ZAP 24.61 ETS 313.38 ZAE 145.78 ETE 56.29 ZAC 93.83 ETC 16.37 CLP -16.62

PLANETOCENTRIC CONIC

C3 22.383 VML 4.731 DLA -24.49 RAL 155.98 RAD 6567.9 VEL 11.990 PTH 2.14 VMP 6.796 DPA 25.33 RAP 176.63 ECC 1.3684
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 2 6 1346.88 6.66 351.31 21.16 117.59 11 24 33 746.9 10.30 344.53
 90.00 15 19 49 5780.02 26.87 275.17 28.15 99.28 16 56 9 5180.0 27.88 266.65
 100.00 12 2 18 1152.53 4.73 335.98 20.10 119.55 12 21 31 552.5 8.63 329.36
 100.00 17 2 18 5449.61 29.05 251.23 28.51 97.38 18 33 8 4849.6 29.77 242.49
 110.00 12 29 31 1067.18 .44 326.85 17.44 124.18 12 47 18 467.2 4.93 320.63
 110.00 18 51 35 5107.72 34.07 225.79 29.04 92.90 20 16 43 4507.7 34.10 216.54

DIFFERENTIAL CORRECTIONS

TDE 1.2079 TRA-1.6783 TC3 .2776 BAU .1508
 RDE .2266 RRA -.3876 RC3 .4205 FAU .03847
 FDE-2.4435 FRA 2.2148 FC3-1.4880 BSP 9062
 BDE 1.2290 BRA 1.7225 BC3 .5039 FSP -1131

MID-COURSE EXECUTION ACCURACY

SGT 2682.8 SGR 706.9 SG3 380.8
 RRT .8743 RRF -.9288 RTF -.9541
 SGB 2774.3 R23 -.1670 R13 -.9592
 SGI 2754.1 SG2 334.3 TMA 13.17

ORBIT DETERMINATION ACCURACY

ST 1609.0 SR 315.2 SS 1813.7
 CRT .9959 CRS .9749 CST .9903
 LSA 2438.6 MSA 174.9 SSA 11.5
 EL1 1639.4 EL2 27.9 ALF 11.04

LAUNCH DATE MAY 1 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 353.562

RL 150.72 LAL .00 LOL 219.95 VL 26.753 GAL 6.08 AZL 95.73 MCA 146.11 SMA 126.96 ECC .21410 INC 5.7342 VI 29.562
 RP 108.63 LAP -3.19 LOP 351.92 VP 37.392 GAP -9.19 AZP 85.24 TAL 156.44 TAP 302.55 RCA 99.78 APO 154.14 V2 34.886
 RC 49.776 GL -34.23 GP 20.89 ZAL 59.60 ZAP 27.74 ETS 313.40 ZAE 143.27 ETE 55.86 ZAC 92.13 ETC 16.03 CLP -18.67

PLANETOCENTRIC CONIC

C3 22.322 VML 4.725 DLA -26.49 RAL 154.48 RAD 6567.9 VEL 11.988 PTH 2.14 VMP 6.529 DPA 27.11 RAP 178.89 ECC 1.3674
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 35 45 1211.30 10.85 343.56 21.27 116.32 11 55 57 611.3 14.30 336.58
 90.00 14 34 13 626.26 25.05 306.67 26.68 103.65 14 44 39 26.3 26.68 298.39
 100.00 12 27 1 1045.75 8.28 330.04 19.91 118.83 12 44 26 445.8 12.06 323.29
 100.00 16 25 38 5555.08 27.89 258.85 27.38 101.22 17 58 13 4955.1 29.15 250.27
 110.00 12 43 49 993.01 3.28 322.97 16.84 124.04 13 0 22 393.0 7.72 316.71
 110.00 18 25 19 5180.59 33.68 231.44 28.41 96.23 19 51 40 4580.6 34.17 222.23

DIFFERENTIAL CORRECTIONS

TDE 1.2722 TRA-1.6336 TC3 .3071 BAU .1645
 RDE .3298 RRA -.4257 RC3 .4577 FAU .04031
 FDE-2.7218 FRA 2.2797 FC3-1.5632 BSP 9318
 BDE 1.3142 BRA 1.6881 BC3 .5512 FSP -1232

MID-COURSE EXECUTION ACCURACY

SGT 2713.5 SGR 824.5 SG3 410.9
 RRT .9026 RRF -.9540 RTF -.9576
 SGB 2836.0 R23 -.1759 R13 -.9641
 SGI 2815.2 SG2 342.2 TMA 15.57

ORBIT DETERMINATION ACCURACY

ST 1679.6 SR 435.9 SS 1934.0
 CRT .9997 CRS .9908 CST .9912
 LSA 2592.7 MSA 171.6 SSA 10.4
 EL1 1735.2 EL2 10.4 ALF 14.55

LAUNCH DATE MAY 1 1967 FLIGHT TIME 142.00 ARRIVAL DATE SEP 20 1967

DISTANCE 360.221

HELIOCENTRIC CONIC
 RL 150.72 LAL .00 LOL 219.95 VL 26.822 GAL 5.88 AZL 96.13 MCA 149.28 SMA 127.41 ECC .20880 INC 6.1267 V1 29.562
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.452 GAP -8.58 AZP 84.73 TAL 156.52 TAP 303.80 RCA 100.81 APO 154.02 V2 34.897
 RC 51.201 GL -36.80 GP 23.87 ZAL 61.01 ZAP 31.26 ETS 313.08 ZAE 140.51 ETE 56.06 ZAC 90.39 ETC 15.62 CLP -20.82

PLANETOCENTRIC CONIC
 C3 22.598 VHL 4.754 DLA -28.62 RAL 152.81 RAD 6567.9 VEL 11.999 PTH 2.14 VMP 6.302 DPA 29.35 RAP 181.36 ECC 1.3719
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.66 12 21 59 1039.48 19.09 334.83 23.41 111.75 12 39 19 439.5 21.88 327.24
 94.34 13 34 41 804.05 19.11 317.59 23.42 111.72 13 48 5 204.0 21.89 310.00
 100.00 13 6 33 894.80 13.11 321.43 20.59 117.11 13 21 28 294.8 16.64 314.42
 100.00 15 32 48 5712.00 25.32 269.80 25.74 106.44 17 8 0 5112.0 27.33 261.57
 110.00 13 2 10 908.59 6.48 318.54 16.65 123.64 13 17 18 308.6 10.86 312.18
 110.00 17 53 41 5270.97 32.80 238.35 27.76 100.22 19 21 32 4671.0 33.86 229.27

DIFFERENTIAL CORRECTIONS
 TDE 1.3542 TRA-1.5821 TC3 .3345 BAU .1809
 RDE .4615 RRA -.4722 RC3 .4966 FAU .04200
 FDE-3.0390 FRA 2.3202 FC3-1.6092 BSP 9713
 BDE 1.4307 BRA 1.6511 BC3 .5987 FSP -1343

MID-COURSE EXECUTION ACCURACY
 SGT 2735.7 SGR 976.0 SG3 439.8
 RRT .9237 RRF -.9713 RTF -.9613
 SGB 2904.6 R23 -.1777 R13 -.9695
 SGI 2882.9 SG2 354.9 TMA 18.53

ORBIT DETERMINATION ACCURACY
 ST 1757.5 SR 589.4 SS 2061.3
 CRT .9989 CRS .9966 CST .9922
 LSA 2767.1 MSA 167.6 SSA 9.3
 EL1 1853.6 EL2 26.4 ALF 18.52

LAUNCH DATE MAY 1 1967 FLIGHT TIME 144.00 ARRIVAL DATE SEP 22 1967

DISTANCE 366.854

HELIOCENTRIC CONIC
 RL 150.72 LAL .00 LOL 219.95 VL 26.885 GAL 5.69 AZL 96.60 MCA 152.46 SMA 127.83 ECC .20393 INC 6.6003 V1 29.562
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.508 GAP -7.99 AZP 84.14 TAL 156.61 TAP 309.07 RCA 101.76 APO 153.89 V2 34.908
 RC 52.722 GL -39.58 GP 27.46 ZAL 62.58 ZAP 35.26 ETS 312.49 ZAE 137.37 ETE 56.82 ZAC 88.60 ETC 15.11 CLP -23.05

PLANETOCENTRIC CONIC
 C3 23.297 VHL 4.827 DLA -30.91 RAL 150.93 RAD 6567.9 VEL 12.028 PTH 2.15 VMP 6.127 DPA 32.16 RAP 184.16 ECC 1.3834
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.07 11 7 42 1260.71 20.33 351.77 22.66 113.79 11 28 43 660.7 23.37 344.21
 102.93 14 33 56 5885.68 20.35 280.76 22.67 113.78 16 12 1 5285.7 23.39 273.20
 77.07 11 7 42 1260.71 20.33 351.77 22.66 113.79 11 28 43 660.7 23.37 344.21
 102.93 14 33 56 5885.68 20.35 280.76 22.67 113.78 16 12 1 5285.7 23.39 273.20
 110.00 13 27 57 804.39 10.37 312.97 17.11 122.76 13 41 22 204.4 14.61 306.44
 110.00 17 12 51 5389.99 31.01 247.16 26.84 105.15 18 42 41 4790.0 32.78 238.39

DIFFERENTIAL CORRECTIONS
 TDE 1.5617 TRA-1.4222 TC3 .5338 BAU .2429
 RDE .6518 RRA -.5056 RC3 .5687 FAU .04836
 FDE-3.4959 FRA 2.2055 FC3-1.7971 BSP 12747
 BDE 1.6922 BRA 1.5094 BC3 .7800 FSP -1682

MID-COURSE EXECUTION ACCURACY
 SGT 2752.0 SGR 1178.7 SG3 469.6
 RRT .9537 RRF -.9830 RTF -.9755
 SGB 2993.8 R23 -.1306 R13 -.9824
 SGI 2975.8 SG2 327.9 TMA 22.51

ORBIT DETERMINATION ACCURACY
 ST 1945.6 SR 801.9 SS 2249.7
 CRT .9990 CRS .9988 CST .9958
 LSA 3077.5 MSA 134.4 SSA 8.1
 EL1 2104.1 EL2 33.5 ALF 22.39

LAUNCH DATE MAY 1 1967 FLIGHT TIME 146.00 ARRIVAL DATE SEP 24 1967

DISTANCE 373.493

HELIOCENTRIC CONIC
 RL 150.72 LAL .00 LOL 219.95 VL 26.942 GAL 5.52 AZL 97.19 MCA 155.63 SMA 128.21 ECC .19955 INC 7.1869 V1 29.562
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.559 GAP -7.41 AZP 83.45 TAL 156.69 TAP 312.32 RCA 102.62 APO 153.79 V2 34.920
 RC 54.330 GL -42.57 GP 31.79 ZAL 64.30 ZAP 39.80 ETS 311.64 ZAE 133.70 ETE 58.00 ZAC 86.71 ETC 14.42 CLP -25.32

PLANETOCENTRIC CONIC
 C3 24.600 VHL 4.960 DLA -33.36 RAL 148.83 RAD 6568.0 VEL 12.082 PTH 2.16 VMP 6.026 DPA 35.59 RAP 187.49 ECC 1.4049
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 71.59 10 22 32 1388.94 21.44 22.19 116.18 10 45 41 788.9 24.78 354.60
 108.41 15 2 23 5784.11 21.45 273.58 22.20 116.18 16 38 47 5184.1 24.79 266.09
 71.59 10 22 32 1388.94 21.44 22.19 116.18 10 45 41 788.9 24.78 354.60
 108.41 15 2 23 5784.11 21.45 273.58 22.20 116.18 16 38 47 5184.1 24.79 266.09
 110.00 14 15 14 640.70 16.23 303.91 19.22 120.51 14 25 54 40.7 20.15 296.99
 110.00 16 8 52 5580.35 26.86 260.41 24.84 111.98 17 41 52 4980.4 29.60 252.29

DIFFERENTIAL CORRECTIONS
 TDE 1.5352 TRA-1.5180 TC3 .2776 BAU .2012
 RDE .8508 RRA -.6051 RC3 .5453 FAU .04069
 FDE-3.6993 FRA 2.3348 FC3-1.4321 BSP 9635
 BDE 1.7552 BRA 1.6342 BC3 .6119 FSP -1423

MID-COURSE EXECUTION ACCURACY
 SGT 2762.0 SGR 1399.6 SG3 478.8
 RRT .9439 RRF -.9890 RTF -.9637
 SGB 3096.4 R23 -.1762 R13 -.9775
 SGI 3068.3 SG2 416.0 TMA 26.08

ORBIT DETERMINATION ACCURACY
 ST 1882.0 SR 1014.5 SS 2281.5
 CRT .9958 CRS .9996 CST .9930
 LSA 3121.9 MSA 173.0 SSA 7.1
 EL1 2136.5 EL2 82.0 ALF 28.27

LAUNCH DATE MAY 1 1967 FLIGHT TIME 148.00 ARRIVAL DATE SEP 26 1967

DISTANCE 380.100

HELIOCENTRIC CONIC
 RL 150.72 LAL .00 LOL 219.95 VL 26.994 GAL 5.37 AZL 97.94 MCA 158.81 SMA 128.55 ECC .19555 INC 7.9378 V1 29.562
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.608 GAP -6.85 AZP 82.59 TAL 156.78 TAP 315.58 RCA 103.41 APO 153.69 V2 34.932
 RC 56.016 GL -45.84 GP 37.04 ZAL 66.24 ZAP 44.99 ETS 310.60 ZAE 129.30 ETE 59.46 ZAC 84.70 ETC 13.46 CLP -27.62

PLANETOCENTRIC CONIC
 C3 26.769 VHL 5.174 DLA -35.99 RAL 146.39 RAD 6568.1 VEL 12.171 PTH 2.18 VMP 6.029 DPA 39.77 RAP 191.62 ECC 1.4405
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.79 9 44 39 1495.07 22.32 10.92 21.97 119.00 10 9 34 895.1 26.00 3.55
 113.21 15 20 47 5719.72 22.33 269.01 21.97 118.99 16 56 6 5119.7 26.02 261.64
 66.79 9 44 39 1495.07 22.32 10.92 21.97 118.99 16 56 6 895.1 26.00 3.55
 113.21 15 20 47 5719.72 22.33 269.01 21.97 118.99 16 56 6 5119.7 26.02 261.64
 66.79 9 44 39 1495.07 22.32 10.92 21.97 119.00 10 9 34 895.1 26.00 3.55
 113.21 15 20 47 5719.72 22.33 269.01 21.97 118.99 16 56 6 5119.7 26.02 261.64

DIFFERENTIAL CORRECTIONS
 TDE 1.8937 TRA-1.4703 TC3 .2548 BAU .2179
 RDE 1.1558 RRA -.6818 RC3 .5530 FAU .03849
 FDE-4.0378 FRA 2.2231 FC3-1.2447 BSP 10137
 BDE 2.0505 BRA 1.6207 BC3 .6089 FSP -1445

MID-COURSE EXECUTION ACCURACY
 SGT 2763.5 SGR 1684.2 SG3 480.4
 RRT .9517 RRF -.9932 RTF -.9665
 SGB 3236.3 R23 -.1584 R13 -.9829
 SGI 3205.4 SG2 445.9 TMA 30.77

ORBIT DETERMINATION ACCURACY
 ST 1970.4 SR 1310.3 SS 2377.4
 CRT .9953 CRS .9999 CST .9939
 LSA 3349.9 MSA 171.1 SSA 6.1
 EL1 2363.9 EL2 105.2 ALF 33.58

LAUNCH DATE MAY 1 1967

FLIGHT TIME 150.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 386.685

RL 150.72 LAL .00 LOL 219.95 VL 27.041 GAL 5.23 AZL 98.94 MCA 161.98 SMA 128.87 ECC .19195 INC 8.9399 V1 29.562
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.653 GAP -6.30 AZP 81.49 TAL 156.87 TAP 318.84 RCA 104.13 APO 153.60 V2 34.945
 RC 57.772 GL -49.42 GP 43.37 ZAL 68.44 ZAP 50.90 ETS 309.34 ZAE 123.93 ETE 60.91 ZAC 82.52 ETC 12.02 CLP -29.82

PLANETOCENTRIC CONIC

C3 30.360 VHL 5.510 CLA -38.82 RAL 143.51 RAD 6568.2 VEL 12.318 PTH 2.22 VMP 6.194 DPA 44.69 RAP 197.10 ECC 1.4997
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.26 9 9 51 1594.70 22.76 19.32 22.06 122.34 9 36 26 994.7 26.86 12.16
 117.74 15 32 36 5682.96 22.77 266.30 22.07 122.33 17 7 19 5083.0 26.87 259.15
 62.26 9 9 51 1594.70 22.76 19.32 22.06 122.34 9 36 26 994.7 26.86 12.16
 117.74 15 32 36 5682.96 22.77 266.30 22.07 122.33 17 7 19 5083.0 26.87 259.15
 62.26 9 9 51 1594.70 22.76 19.32 22.06 122.34 9 36 26 994.7 26.86 12.16
 117.74 15 32 36 5682.96 22.77 266.30 22.07 122.33 17 7 19 5083.0 26.87 259.15

DIFFERENTIAL CORRECTIONS

TDE 1.9196 TRA-1.4266 TC3 .2172 BAU .2329
 RDE 1.5768 RRA -.7588 RC3 .5311 FAU .03392
 FDE-4.3098 FRA 2.0108 FC3 -.9673 BSP 10816
 BDE 2.4842 BRA 1.6158 BC3 .5738 FSP -1404

MID-COURSE EXECUTION ACCURACY

SGT 2768.9 SGR 2014.1 SG3 460.6
 RRT .9578 RRF -.9955 RTF -.9694
 SGB 3423.9 R23 -.1355 R13 -.9878
 SG1 3391.1 SG2 473.0 TMA 35.66

ORBIT DETERMINATION ACCURACY

ST 2076.2 SR 1667.6 SS 2436.8
 CRT .9954 CRS 1.0000 CST .9949
 LSA 3605.7 MSA 168.7 SSA 5.2
 EL1 2660.1 EL2 124.4 ALF 38.74

LAUNCH DATE MAY 1 1967

FLIGHT TIME 152.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 393.245

RL 150.72 LAL .00 LOL 219.95 VL 27.082 GAL 5.11 AZL 100.35 MCA 165.14 SMA 129.15 ECC .18874 INC10.3540 V1 29.562
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.694 GAP -5.76 AZP 79.98 TAL 156.94 TAP 322.08 RCA 104.77 APO 153.52 V2 34.957
 RC 59.590 GL -53.33 GP 50.91 ZAL 70.96 ZAP 57.54 ETS 307.72 ZAE 117.38 ETE 61.86 ZAC 80.11 ETC 9.69 CLP -31.65

PLANETOCENTRIC CONIC

C3 36.535 VHL 6.044 CLA -41.81 RAL 140.03 RAD 6568.4 VEL 12.566 PTH 2.28 VMP 6.627 DPA 50.20 RAP 204.84 ECC 1.6013
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.86 8 36 3 1697.33 22.44 27.81 22.51 126.25 9 4 20 1097.3 27.00 20.99
 122.14 15 38 39 5673.64 22.46 265.28 22.52 126.24 17 13 12 5073.6 27.02 258.45
 57.86 8 36 3 1697.33 22.44 27.81 22.51 126.25 9 4 20 1097.3 27.00 20.99
 122.14 15 38 39 5673.64 22.46 265.28 22.52 126.24 17 13 12 5073.6 27.02 258.45
 57.86 8 36 3 1697.33 22.44 27.81 22.51 126.25 9 4 20 1097.3 27.00 20.99
 122.14 15 38 39 5673.64 22.46 265.28 22.52 126.24 17 13 12 5073.6 27.02 258.45

DIFFERENTIAL CORRECTIONS

TDE 2.2692 TRA-1.3995 TC3 .1607 BAU .2382
 RDE 2.1621 RRA -.8204 RC3 .4603 FAU .02625
 FDE-4.4329 FRA 1.6903 FC3 -.6220 BSP 11615
 BDE 3.1343 BRA 1.6222 BC3 .4876 FSP -1268

MID-COURSE EXECUTION ACCURACY

SGT 2798.6 SGR 2366.1 SG3 412.9
 RRT .9625 RRF -.9968 RTF -.9727
 SGB 3664.8 R23 -.1115 R13 -.9918
 SG1 3631.2 SG2 494.8 TMA 40.03

ORBIT DETERMINATION ACCURACY

ST 2216.3 SR 2073.3 SS 2434.3
 CRT .9958 CRS 1.0000 CST .9959
 LSA 3887.0 MSA 166.4 SSA 4.3
 EL1 3031.7 EL2 139.1 ALF 43.08

LAUNCH DATE MAY 1 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 399.772

RL 150.72 LAL .00 LOL 219.95 VL 27.119 GAL 5.01 AZL 102.51 MCA 168.30 SMA 129.40 ECC .18591 INC12.5133 V1 29.562
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.733 GAP -5.25 AZP 77.74 TAL 157.00 TAP 325.30 RCA 105.34 APO 153.46 V2 34.970
 RC 61.464 GL -57.55 GP 59.69 ZAL 73.88 ZAP 64.76 ETS 304.97 ZAE 109.46 ETE 61.14 ZAC 77.38 ETC 5.39 CLP -32.32

PLANETOCENTRIC CONIC

C3 48.118 VHL 6.937 CLA -44.84 RAL 135.72 RAD 6568.8 VEL 13.018 PTH 2.37 VMP 7.547 DPA 55.72 RAP 216.46 ECC 1.7919
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 53.66 8 1 59 1811.98 20.78 36.84 23.27 130.67 8 32 11 1212.0 25.86 30.32
 126.34 15 38 21 5697.76 20.80 266.01 23.29 130.66 17 13 19 5097.8 25.87 259.69
 53.66 8 1 59 1811.98 20.78 36.84 23.27 130.67 8 32 11 1212.0 25.86 30.32
 126.34 15 38 21 5697.76 20.80 266.01 23.29 130.66 17 13 19 5097.8 25.87 259.69
 53.66 8 1 59 1811.98 20.78 36.84 23.27 130.67 8 32 11 1212.0 25.86 30.32
 126.34 15 38 21 5697.76 20.80 266.01 23.29 130.66 17 13 19 5097.8 25.87 259.69

DIFFERENTIAL CORRECTIONS

TDE 2.9055 TRA-1.4119 TC3 .0901 BAU .2183
 RDE 2.9665 RRA -.8233 RC3 .3271 FAU .01569
 FDE-4.3266 FRA 1.2792 FC3 -.2822 BSP 12516
 BDE 4.1523 BRA 1.6344 BC3 .3393 FSP -1034

MID-COURSE EXECUTION ACCURACY

SGT 2912.0 SGR 2670.1 SG3 336.2
 RRT .9664 RRF -.9973 RTF -.9774
 SGB 3950.8 R23 -.0884 R13 -.9948
 SG1 3917.8 SG2 510.0 TMA 42.43

ORBIT DETERMINATION ACCURACY

ST 2450.1 SR 2467.1 SS 2348.3
 CRT .9963 CRS 1.0000 CST .9969
 LSA 4192.5 MSA 164.2 SSA 3.4
 EL1 3473.8 EL2 149.4 ALF 45.20

LAUNCH DATE MAY 1 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 406.249

RL 150.72 LAL .00 LOL 219.95 VL 27.152 GAL 4.93 AZL 106.23 MCA 171.43 SMA 129.63 ECC .18348 INC16.2325 V1 29.562
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.768 GAP -4.75 AZP 73.94 TAL 157.01 TAP 328.44 RCA 105.84 APO 153.41 V2 34.983
 RC 63.388 GL -61.81 GP 69.61 ZAL 77.27 ZAP 72.23 ETS 297.21 ZAE 99.98 ETE 54.58 ZAC 74.11 ETC 354.88 CLP -28.87

PLANETOCENTRIC CONIC

C3 73.614 VHL 8.580 CLA -47.51 RAL 130.34 RAD 6569.4 VEL 13.963 PTH 2.55 VMP 9.475 DPA 59.84 RAP 234.26 ECC 2.2115
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 50.11 7 27 35 1948.36 16.87 45.62 24.20 135.11 8 0 3 1348.4 22.44 39.94
 129.89 15 29 49 5768.16 16.89 268.79 24.22 135.10 17 5 58 5168.2 22.46 263.10
 50.11 7 27 35 1948.36 16.87 45.62 24.20 135.11 8 0 3 1348.4 22.44 39.94
 129.89 15 29 49 5768.16 16.89 268.79 24.22 135.10 17 5 58 5168.2 22.46 263.10
 50.11 7 27 35 1948.36 16.87 45.62 24.20 135.11 8 0 3 1348.4 22.44 39.94
 129.89 15 29 49 5768.16 16.89 268.79 24.22 135.10 17 5 58 5168.2 22.46 263.10

DIFFERENTIAL CORRECTIONS

TDE 4.4051 TRA-1.5311 TC3 .0050 BAU .1338
 RDE 3.8685 RRA -.6267 RC3 .1359 FAU .00315
 FDE-3.9628 FRA .8497 FC3 -.0371 BSP 13379
 BDE 5.8626 BRA 1.6544 BC3 .1360 FSP -730

MID-COURSE EXECUTION ACCURACY

SGT 3308.4 SGR 2666.8 SG3 239.9
 RRT .9679 RRF -.9953 RTF -.9857
 SGB 4249.4 R23 -.0653 R13 -.9972
 SG1 4216.7 SG2 526.1 TMA 38.67

ORBIT DETERMINATION ACCURACY

ST 2976.5 SR 2590.0 SS 2176.2
 CRT .9967 CRS .9997 CST .9983
 LSA 4503.0 MSA 165.0 SSA 2.3
 EL1 3942.4 EL2 159.0 ALF 41.02

LAUNCH DATE MAY 1 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 6 1967

DISTANCE 412.619

REL 150.72 LAL .00 LOL 219.95 VL 27.181 GAL 4.88 AZL 114.11 MCA 174.49 SMA 129.83 ECC .18150 INC24.1076 V1 29.562
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.801 GAP -4.28 AZP 65.99 TAL 156.96 TAP 331.44 RCA 106.26 APO 153.39 V2 34.996
 RC 65.357 GL -64.88 GP 79.38 ZAL 81.20 ZAP 79.39 ETS 255.30 ZAE 88.18 ETE 12.97 ZAC 69.49 ETC 308.49 CLP -1.90

PLANETOCENTRIC CONIC

C3 149.270 VHL 12.218 DLA -48.50 RAL 124.10 RAD 6570.6 VEL 16.450 PTH 2.87 VMP 14.036 DPA 59.51 RAP 258.88 ECC 3.4566
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 48.82 6 58 19 2107.01 9.78 53.41 25.32 137.75 7 33 26 1507.0 15.65 48.25
 131.18 15 9 18 617.24 9.79 296.57 25.33 137.75 15 19 35 17.2 15.66 291.41
 48.82 6 58 19 2107.01 9.78 53.41 25.32 137.75 7 33 26 1507.0 15.65 48.25
 131.18 15 9 18 617.24 9.79 296.57 25.33 137.75 15 19 35 17.2 15.66 291.41
 48.82 6 58 19 2107.01 9.78 53.41 25.32 137.75 7 33 26 1507.0 15.65 48.25
 131.18 15 9 18 617.24 9.79 296.57 25.33 137.75 15 19 35 17.2 15.66 291.41

DIFFERENTIAL CORRECTIONS

TDE 9.0802 TRA-1.5763 TC3 -.1396 BAU .2861
 RDE 1.3480 RRA .7879 RC3 .0326 FAU-.01084
 FDE-3.5168 FRA .5203 FC3 .0628 BSP 14017
 BDE 9.1797 BRA 1.7622 BC3 .1434 FSP -441

MID-COURSE EXECUTION ACCURACY

SGT 4415.2 SGR 846.7 SG3 146.6
 RRT .5464 RRF -.5743 RTF -.9992
 SGB 4495.6 R23 -.0166 R13 -.9997
 SG1 4440.0 SG2 705.2 THA 6.14

ORBIT DETERMINATION ACCURACY

ST 4271.4 SR 653.9 SS 2004.5
 CRT .9437 CRS .9474 CST .9999
 LSA 4758.6 MSA 214.3 SSA 1.1
 EL1 4315.9 EL2 214.1 ALF 8.24

LAUNCH DATE MAY 1 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 8 1967

DISTANCE 418.573

REL 150.72 LAL .00 LOL 219.95 VL 27.206 GAL 4.91 AZL 138.91 MCA 177.21 SMA 130.00 ECC .18040 INC48.9129 V1 29.562
 RP 108.25 LAP -2.10 LOP 30.11 VP 37.832 GAP -3.92 AZP 41.12 TAL 156.60 TAP 333.81 RCA 106.55 APO 153.45 V2 35.009
 RC 67.365 GL -59.79 GP 71.35 ZAL 85.42 ZAP 85.31 ETS 186.41 ZAE 69.22 ETE 305.05 ZAC 59.54 ETC 230.65 CLP 75.20

PLANETOCENTRIC CONIC

C3 558.903 VHL 23.641 DLA -41.43 RAL 120.46 RAD 6572.5 VEL 26.081 PTH 3.37 VMP 28.759 DPA 47.32 RAP 285.44 ECC10.1981
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.39 7 20 19 2175.96 1.27 51.30 29.01 131.42 7 56 35 1576.0 6.54 45.69
 121.61 14 18 16 876.99 1.28 311.97 29.03 131.41 14 32 53 277.0 6.56 306.35
 58.39 7 20 19 2175.96 1.27 51.30 29.01 131.42 7 56 35 1576.0 6.54 45.69
 121.61 14 18 16 876.99 1.28 311.97 29.03 131.41 14 32 53 277.0 6.56 306.35
 58.39 7 20 19 2175.96 1.27 51.30 29.01 131.42 7 56 35 1576.0 6.54 45.69
 121.61 14 18 16 876.99 1.28 311.97 29.03 131.41 14 32 53 277.0 6.56 306.35

DIFFERENTIAL CORRECTIONS

TDE 8.7183 TRA .7468 TC3 -.1307 BAU 2.3194
 RDE-14.4149 RRA 2.8783 RC3 .2815 FAU-.04363
 FDE-3.7340 FRA .5725 FC3 .0676 BSP 12688
 BDE16.8463 BRA 2.9736 BC3 .3104 FSP -238

MID-COURSE EXECUTION ACCURACY

SGT 2214.7 SGR 3852.6 SG3 84.4
 RRT -.9353 RRF .9983 RTF -.9540
 SGB 4443.8 R23 -.0294 R13 .9995
 SG1 4390.2 SG2 687.9 THA 119.05

ORBIT DETERMINATION ACCURACY

ST 2114.3 SR 3504.9 SS 2253.0
 CRT -.9935 CRS -.9998 CST .9954
 LSA 4667.7 MSA 207.5 SSA 1.0
 EL1 4088.0 EL2 206.2 ALF 121.02

LAUNCH DATE MAY 1 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 10 1967

DISTANCE 427.398

REL 150.72 LAL .00 LOL 219.95 VL 27.227 GAL 4.44 AZL 34.98 MCA 182.38 SMA 130.15 ECC .17562 INC55.0207 V1 29.562
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.859 GAP -2.86 AZP 145.00 TAL 158.27 TAP 340.65 RCA 107.29 APO 153.00 V2 35.023
 RC 69.409 GL 57.64 GP -64.95 ZAL 86.37 ZAP 87.32 ETS 168.40 ZAE 74.51 ETE 53.97 ZAC 84.61 ETC 122.44 CLP 83.67

PLANETOCENTRIC CONIC

C3 693.419 VHL 26.333 DLA 67.06 RAL 179.92 RAD 6572.7 VEL 28.543 PTH 3.42 VMP 35.309 DPA -78.51 RAP 17.68 ECC12.4119
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 26.28 21 38 9 5051.79 -.85 244.80 89.58 22.95 23 2 21 4451.8 -8.21 242.08
 153.72 7 54 49 3318.75 -.84 98.42 89.56 22.95 8 50 8 2718.8 -8.21 95.69
 26.28 21 38 9 5051.79 -.85 244.80 89.58 22.95 23 2 21 4451.8 -8.21 242.08
 153.72 7 54 49 3318.75 -.84 98.42 89.56 22.95 8 50 8 2718.8 -8.21 95.69
 26.28 21 38 9 5051.79 -.85 244.80 89.58 22.95 23 2 21 4451.8 -8.21 242.08
 153.72 7 54 49 3318.75 -.84 98.42 89.56 22.95 8 50 8 2718.8 -8.21 95.69

DIFFERENTIAL CORRECTIONS

TDE-4.1343 TRA-3.1522 TC3 -.1625 BAU 2.9733
 RDE-1.9610 RRA-6.4517 RC3 -.2765 FAU-.05106
 FDE .6185 FRA 1.4823 FC3 .0637 BSP 12200
 BDE 4.5758 BRA 7.1806 BC3 .3207 FSP -220

MID-COURSE EXECUTION ACCURACY

SGT 2153.3 SGR 3907.7 SG3 78.0
 RRT .9466 RRF -.9992 RTF -.9586
 SGB 4461.7 R23 -.0345 R13 -.9994
 SG1 4419.3 SG2 613.7 THA 61.86

ORBIT DETERMINATION ACCURACY

ST 1043.3 SR 1162.3 SS 861.9
 CRT .7876 CRS .9927 CST .8560
 LSA 1706.3 MSA 520.5 SSA .6
 EL1 1477.8 EL2 505.6 ALF 48.91

LAUNCH DATE MAY 1 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 12 1967

DISTANCE 433.081

REL 150.72 LAL .00 LOL 219.95 VL 27.246 GAL 4.55 AZL 68.55 MCA 184.91 SMA 130.27 ECC .17540 INC21.4544 V1 29.562
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.885 GAP -2.57 AZP 111.38 TAL 157.68 TAP 342.59 RCA 107.42 APO 153.12 V2 35.036
 RC 71.485 GL 65.09 GP -84.28 ZAL 80.98 ZAP 84.62 ETS 82.66 ZAE 96.11 ETE 332.28 ZAC 98.88 ETC 42.05 CLP 19.98

PLANETOCENTRIC CONIC

C3 119.965 VHL 10.953 DLA 65.68 RAL 205.66 RAD 6570.2 VEL 15.534 PTH 2.77 VMP 15.631 DPA -70.12 RAP 107.14 ECC 2.9743
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 27.89 23 24 25 4825.75 -14.50 238.49 108.96 25.17 24 44 51 4225.7 -21.71 235.25
 152.11 9 33 52 3103.40 -14.49 93.87 108.94 25.17 10 25 35 2503.4 -21.70 90.64
 27.89 23 24 25 4825.75 -14.50 238.49 108.96 25.17 24 44 51 4225.7 -21.71 235.25
 152.11 9 33 52 3103.40 -14.49 93.87 108.94 25.17 10 25 35 2503.4 -21.70 90.64
 27.89 23 24 25 4825.75 -14.50 238.49 108.96 25.17 24 44 51 4225.7 -21.71 235.25
 152.11 9 33 52 3103.40 -14.49 93.87 108.94 25.17 10 25 35 2503.4 -21.70 90.64

DIFFERENTIAL CORRECTIONS

TDE 2.3125 TRA-3.4304 TC3 -.1030 BAU .1654
 RDE .2962 RRA 1.5054 RC3 -.0050 FAU-.00241
 FDE -.6565 FRA 1.1494 FC3 .0174 BSP 15095
 BDE 2.3314 BRA 3.7462 BC3 .1031 FSP -409

MID-COURSE EXECUTION ACCURACY

SGT 4528.0 SGR 1918.6 SG3 129.6
 RRT -.9373 RRF .9513 RTF -.9989
 SGB 4917.7 R23 .0084 R13 .9998
 SG1 4878.4 SG2 620.4 THA 157.96

ORBIT DETERMINATION ACCURACY

ST 1781.1 SR 594.3 SS 751.7
 CRT -.5315 CRS -.5989 CST .9967
 LSA 1960.9 MSA 495.4 SSA 1.0
 EL1 1811.2 EL2 495.0 ALF 169.12

LAUNCH DATE MAY 1 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 439.341
 RL 150.72 LAL .00 LOL 219.95 VL 27.261 GAL 4.56 AZL 78.13 MCA 187.94 SMA 130.38 ECC .17466 INC11.8739 V1 29.562
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.908 GAP -2.15 AZP 101.76 TAL 157.50 TAP 345.44 RCA 107.61 APO 153.15 V2 35.049
 RC 73.990 GL 58.47 GP -78.39 ZAL 74.76 ZAP 83.07 ETS 34.39 ZAE 106.78 ETE 286.65 ZAC 104.11 ETC .18 CLP -53.19

PLANETOCENTRIC CONIC

C3 43.036 VHL 6.560 CLA 58.51 RAL 199.68 RAD 6568.6 VEL 12.822 PTH 2.33 VMP 9.840 OPA -60.85 RAP 121.74 ECC 1.7083
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 36.39 23 21 16 4552.27 -26.98 223.00 91.53 35.88 24 37 8 3952.3 -33.35 217.81
 143.61 8 49 21 2901.41 -26.96 88.45 91.51 35.88 9 37 42 2301.4 -33.33 83.27
 36.39 23 21 16 4552.27 -26.98 223.00 91.53 35.88 24 37 8 3952.3 -33.35 217.81
 143.61 8 49 21 2901.41 -26.96 88.45 91.51 35.88 9 37 42 2301.4 -33.33 83.27
 36.39 23 21 16 4552.27 -26.98 223.00 91.53 35.88 24 37 8 3952.3 -33.35 217.81
 143.61 8 49 21 2901.41 -26.96 88.45 91.51 35.88 9 37 42 2301.4 -33.33 83.27

DIFFERENTIAL CORRECTIONS

TOE .9415 TRA -.8313 TC3 .0203 BAU .2882
 ROE -.6123 RRA 2.7476 RC3 -.5004 FAU .01558
 FDE -.5163 FRA 1.5394 FC3 -.3134 BSP 15298
 BOE 1.1231 BRA 2.8706 BC3 .5008 FSP -726

MID-COURSE EXECUTION ACCURACY

SGT 1615.2 SGR 4671.5 SG3 228.6
 RRT -.9069 RRF .9983 RTF -.9267
 SGB 4942.9 R23 .0084 R13 .9995
 SG1 4900.1 SG2 648.8 TMA 107.73

ORBIT DETERMINATION ACCURACY

ST 922.0 SR 1478.5 SS 760.3
 CRT -.7442 CRS -.9875 CST .8403
 LSA 1819.5 MSA 550.9 SSA 1.9
 EL1 1653.1 EL2 550.8 ALF 118.32

LAUNCH DATE MAY 1 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 445.698
 RL 150.72 LAL .00 LOL 219.95 VL 27.273 GAL 4.56 AZL 82.38 MCA 191.08 SMA 130.46 ECC .17404 INC 7.6206 V1 29.562
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.928 GAP -1.71 AZP 97.48 TAL 157.37 TAP 348.44 RCA 107.76 APO 153.17 V2 35.062
 RC 75.721 GL 49.02 GP -71.03 ZAL 68.79 ZAP 82.99 ETS 21.50 ZAE 114.34 ETE 275.80 ZAC 107.48 ETC 353.44 CLP -67.95

PLANETOCENTRIC CONIC

C3 22.810 VHL 4.776 CLA 50.09 RAL 191.57 RAD 6567.9 VEL 12.008 PTH 2.14 VMP 7.336 OPA -53.65 RAP 127.95 ECC 1.3754
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 46.79 23 18 52 4328.77 -31.51 203.73 70.73 48.81 24 31 1 3728.8 -36.56 196.66
 133.21 7 46 58 2807.33 -31.50 83.69 70.72 48.80 8 33 45 2207.3 -36.55 76.61
 46.79 23 18 52 4328.77 -31.51 203.73 70.73 48.81 24 31 1 3728.8 -36.56 196.66
 133.21 7 46 58 2807.33 -31.50 83.69 70.72 48.80 8 33 45 2207.3 -36.55 76.61
 46.79 23 18 52 4328.77 -31.51 203.73 70.73 48.81 24 31 1 3728.8 -36.56 196.66
 133.21 7 46 58 2807.33 -31.50 83.69 70.72 48.80 8 33 45 2207.3 -36.55 76.61

DIFFERENTIAL CORRECTIONS

TOE .4911 TRA -.2621 TC3 -.1100 BAU .3955
 ROE -.3225 RRA 2.4754 RC3 -1.2921 FAU .03225
 FDE -.4004 FRA 2.1222 FC3 -1.2239 BSP 15186
 BOE .5875 BRA 2.4893 BC3 1.2968 FSP -1151

MID-COURSE EXECUTION ACCURACY

SGT 773.5 SGR 4805.8 SG3 359.8
 RRT -.6366 RRF .9991 RTF -.6533
 SGB 4867.6 R23 .0098 R13 .9993
 SG1 4831.3 SG2 593.4 TMA 95.94

ORBIT DETERMINATION ACCURACY

ST 607.2 SR 1441.9 SS 813.9
 CRT -.4933 CRS -.9938 CST .5872
 LSA 1686.4 MSA 516.0 SSA 2.9
 EL1 1477.2 EL2 515.6 ALF 103.40

LAUNCH DATE MAY 1 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 452.075
 RL 150.72 LAL .00 LOL 219.95 VL 27.282 GAL 4.57 AZL 84.77 MCA 194.25 SMA 130.53 ECC .17362 INC 5.2322 V1 29.562
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.947 GAP -1.26 AZP 95.07 TAL 157.23 TAP 351.48 RCA 107.87 APO 153.19 V2 35.075
 RC 77.874 GL 39.36 GP -64.84 ZAL 63.68 ZAP 84.24 ETS 13.47 ZAE 120.31 ETE 268.94 ZAC 110.32 ETC 351.16 CLP -76.34

PLANETOCENTRIC CONIC

C3 15.294 VHL 3.911 CLA 41.43 RAL 185.20 RAD 6567.6 VEL 11.691 PTH 2.06 VMP 5.988 OPA -47.49 RAP 131.18 ECC 1.2517
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.39 23 36 42 4123.43 -30.13 183.49 54.10 60.10 24 45 26 3523.4 -33.86 175.55
 121.61 6 38 22 2825.08 -30.12 84.19 54.09 60.08 7 25 27 2225.1 -33.84 76.25
 58.39 23 36 42 4123.43 -30.13 183.49 54.10 60.10 24 45 26 3523.4 -33.86 175.55
 121.61 6 38 22 2825.08 -30.12 84.19 54.09 60.08 7 25 27 2225.1 -33.84 76.25
 58.39 23 36 42 4123.43 -30.13 183.49 54.10 60.10 24 45 26 3523.4 -33.86 175.55
 121.61 6 38 22 2825.08 -30.12 84.19 54.09 60.08 7 25 27 2225.1 -33.84 76.25

DIFFERENTIAL CORRECTIONS

TOE .3143 TRA .0376 TC3 -.4243 BAU .4314
 ROE -.2482 RRA 2.2615 RC3 -2.0667 FAU .04892
 FDE -.4430 FRA 2.7774 FC3 -2.7689 BSP 14862
 BOE .4004 BRA 2.2618 BC3 2.1098 FSP -1630

MID-COURSE EXECUTION ACCURACY

SGT 572.3 SGR 4719.7 SG3 508.0
 RRT .2569 RRF .9990 RTF .2433
 SGB 4754.2 R23 .0174 R13 .9990
 SG1 4722.0 SG2 552.8 TMA 88.19

ORBIT DETERMINATION ACCURACY

ST 461.1 SR 1375.6 SS 907.5
 CRT -.2171 CRS -.9938 CST .3243
 LSA 1650.1 MSA 453.2 SSA 4.0
 EL1 1379.6 EL2 448.7 ALF 94.66

LAUNCH DATE MAY 1 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 458.451
 RL 150.72 LAL .00 LOL 219.95 VL 27.289 GAL 4.60 AZL 86.30 MCA 197.44 SMA 130.57 ECC .17343 INC 3.6999 V1 29.562
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.964 GAP -.81 AZP 93.53 TAL 157.07 TAP 354.51 RCA 107.93 APO 153.22 V2 35.088
 RC 80.046 GL 30.50 GP -59.46 ZAL 59.69 ZAP 86.58 ETS 7.12 ZAE 125.15 ETE 262.65 ZAC 113.01 ETC 350.10 CLP -83.25

PLANETOCENTRIC CONIC

C3 11.959 VHL 3.458 CLA 33.35 RAL 180.56 RAD 6567.5 VEL 11.548 PTH 2.02 VMP 5.172 OPA -41.96 RAP 132.86 ECC 1.1968
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 71.60 0 31 15 3866.46 -26.04 160.41 42.64 68.39 1 35 42 3266.5 -28.74 152.34
 108.40 5 10 41 2974.90 -26.03 94.08 42.64 68.37 6 0 16 2374.9 -28.73 86.02
 71.60 0 31 15 3866.46 -26.04 160.41 42.64 68.39 1 35 42 3266.5 -28.74 152.34
 108.40 5 10 41 2974.90 -26.03 94.08 42.64 68.37 6 0 16 2374.9 -28.73 86.02
 110.00 6 17 35 2769.81 -30.58 79.93 44.40 73.92 7 3 45 2169.8 -32.48 71.23
 110.00 4 23 32 3119.54 -21.66 103.14 40.47 62.89 5 15 31 2519.5 -25.12 95.69

DIFFERENTIAL CORRECTIONS

TOE .1988 TRA .2760 TC3 -.8806 BAU .4451
 ROE -.2788 RRA 2.0852 RC3 -2.6412 FAU .06489
 FDE -.6393 FRA 3.4363 FC3 -4.6979 BSP 14478
 BOE .3424 BRA 2.1033 BC3 2.7841 FSP -2123

MID-COURSE EXECUTION ACCURACY

SGT 882.6 SGR 4544.8 SG3 658.8
 RRT .8038 RRF .9989 RTF .7966
 SGB 4629.7 R23 .0284 R13 .9985
 SG1 4600.6 SG2 518.7 TMA 81.01

ORBIT DETERMINATION ACCURACY

ST 368.5 SR 1325.1 SS 1029.9
 CRT .1077 CRS -.9926 CST .0133
 LSA 1675.6 MSA 380.7 SSA 5.3
 EL1 1325.7 EL2 366.2 ALF 88.14

LAUNCH DATE MAY 1 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC
 RL 150.72 LAL .00 LOL 219.95 VL 27.293 GAL 4.63 AZL 87.37 MCA 200.64 SMA 130.60 ECC .17347 INC 2.6290 V1 29.562
 RP 107.96 LAP -.93 LOP 60.56 VP 37.979 GAP -.37 AZP 92.46 TAL 156.89 TAP 357.52 RCA 107.95 APO 153.26 V2 35.101
 RC 82.236 GL 22.83 GP -54.65 ZAL 56.78 ZAP 89.77 ETS 1.77 ZAE 129.05 ETE 256.19 ZAC 115.64 ETC 349.59 CLP -89.61

PLANETOCENTRIC CONIC
 C3 10.346 VHL 3.216 DLA 26.23 RAL 177.18 RAD 6567.4 VEL 11.478 PTM 2.00 VMP 4.646 DPA -36.90 RAP 133.62 ECC 1.1703
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 12 40 3078.37 -27.44 102.10 36.54 82.72 5 3 58 2478.4 -28.16 93.51
 90.00 1 2 20 3703.29 -15.27 143.53 32.87 65.86 2 4 3 3103.3 -18.41 136.26
 100.00 6 2 28 2724.38 -29.61 76.30 36.79 85.72 6 47 52 2124.4 -29.89 67.51
 100.00 1 55 13 3532.51 -13.30 130.02 31.90 62.98 2 54 5 2932.5 -16.82 122.99
 110.00 8 0 32 2354.93 -34.13 48.35 36.89 92.12 8 39 47 1754.9 -33.46 39.17
 110.00 2 13 37 3474.72 -9.39 123.34 29.60 56.98 3 11 32 2874.7 -13.68 116.86

MID-COURSE EXECUTION ACCURACY
 SGT 1346.0 SGR 4311.6 SG3 800.0
 RRT .9263 RRF .9987 RTF .9216
 SGB 4516.8 R23 .0409 R13 .9979
 SGI 4490.5 SG2 486.9 TMA 73.67

ORBIT DETERMINATION ACCURACY
 ST 337.2 SR 1296.2 SS 1183.0
 CRT .5525 CRS -.9918 CST -.4415
 LSA 1759.7 MSA 310.8 SSA 6.8
 EL1 1310.2 EL2 278.1 ALF 81.43

DIFFERENTIAL CORRECTIONS
 TDE .0912 TRA .4938 TC3-1.4107 BAU .4524
 RDE -.3371 RRA 1.9257 RC3-2.9512 FAU .07933
 FDE -.9477 FRA 4.0488 FC3-6.6386 BSP 14106
 BDE .3493 BRA 1.9880 BC3 3.2711 FSP -2592

LAUNCH DATE MAY 1 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC
 RL 150.72 LAL .00 LOL 219.95 VL 27.295 GAL 4.68 AZL 88.17 MCA 203.84 SMA 130.62 ECC .17374 INC 1.8345 V1 29.562
 RP 107.92 LAP -.74 LOP 63.78 VP 37.991 GAP .08 AZP 91.68 TAL 156.67 TAP .51 RCA 107.92 APO 153.31 V2 35.113
 RC 84.440 GL 16.36 GP -50.26 ZAL 54.73 ZAP 93.60 ETS 357.22 ZAE 132.07 ETE 249.40 ZAC 118.23 ETC 349.48 CLP -95.63

PLANETOCENTRIC CONIC
 C3 9.558 VHL 3.092 DLA 20.16 RAL 174.70 RAD 6567.3 VEL 11.443 PTM 1.98 VMP 4.298 DPA -32.19 RAP 133.84 ECC 1.1573
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 35 17 2737.64 -27.90 77.29 31.01 95.07 6 20 54 2137.6 -26.90 68.76
 90.00 23 16 1 4012.53 -5.98 161.49 26.45 62.27 24 22 53 3412.5 -9.64 154.73
 100.00 7 9 37 2433.43 -29.14 54.76 30.86 96.99 7 50 11 1833.4 -27.86 46.19
 100.00 0 28 17 3791.97 -4.88 144.68 25.85 60.47 1 31 29 3192.0 -8.78 138.06
 110.00 8 45 40 2132.91 -32.25 31.33 30.26 102.00 9 21 13 1532.9 -30.26 22.68
 110.00 1 8 44 3665.25 -2.20 133.40 24.18 55.88 2 9 49 3065.2 -6.66 127.16

MID-COURSE EXECUTION ACCURACY
 SGT 1836.9 SGR 4037.3 SG3 922.4
 RRT .9626 RRF .9984 RTF .9589
 SGB 4435.5 R23 .0536 R13 .9970
 SGI 4412.1 SG2 455.5 TMA 66.08

ORBIT DETERMINATION ACCURACY
 ST 419.4 SR 1277.8 SS 1357.6
 CRT -.8772 CRS -.9915 CST -.8074
 LSA 1894.1 MSA 253.1 SSA 8.4
 EL1 1330.9 EL2 193.3 ALF 73.58

DIFFERENTIAL CORRECTIONS
 TDE -.0231 TRA .7018 TC3-1.9493 BAU .4593
 RDE -.3904 RRA 1.7758 RC3-3.0196 FAU .09137
 FDE -1.3192 FRA 4.5813 FC3-8.2761 BSP 13795
 BDE .3911 BRA 1.9094 BC3 3.5941 FSP -3003

LAUNCH DATE MAY 1 1967

FLIGHT TIME 178.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC
 RL 150.72 LAL .00 LOL 219.95 VL 27.295 GAL 4.74 AZL 88.78 MCA 207.05 SMA 130.62 ECC .17424 INC 1.2187 V1 29.562
 RP 107.89 LAP -.55 LOP 66.99 VP 38.003 GAP .52 AZP 91.09 TAL 156.42 TAP 3.47 RCA 107.86 APO 153.38 V2 35.125
 RC 86.655 GL 10.99 GP -46.20 ZAL 53.29 ZAP 97.84 ETS 353.39 ZAE 134.26 ETE 242.39 ZAC 120.71 ETC 349.73 CLP -101.37

PLANETOCENTRIC CONIC
 C3 9.215 VHL 3.036 DLA 15.05 RAL 172.88 RAD 6567.3 VEL 11.428 PTM 1.98 VMP 4.071 DPA -27.80 RAP 133.74 ECC 1.1517
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 19 57 2533.45 -25.81 62.72 26.79 102.07 7 2 10 1933.5 -23.89 54.58
 90.00 22 16 48 4202.42 .12 172.12 23.03 61.68 23 26 51 3602.4 -3.67 165.48
 100.00 7 49 27 2244.80 -26.81 41.24 26.54 103.73 8 26 52 1644.8 -24.66 33.10
 100.00 23 29 59 3966.31 1.01 154.26 22.53 60.12 24 36 5 3366.3 -2.97 147.74
 110.00 9 15 55 1974.28 -29.42 19.84 23.69 108.24 9 48 49 1374.3 -26.65 11.76
 110.00 0 23 57 3809.60 3.32 140.93 21.09 55.96 1 27 26 3209.6 -1.17 134.73

MID-COURSE EXECUTION ACCURACY
 SGT 2323.6 SGR 3733.9 SG3 1018.7
 RRT .9769 RRF .9980 RTF .9738
 SGB 4397.8 R23 .0649 R13 .9959
 SGI 4377.4 SG2 423.3 TMA 58.37

ORBIT DETERMINATION ACCURACY
 ST 599.4 SR 1252.5 SS 1535.7
 CRT .9762 CRS -.9913 CST -.9395
 LSA 2059.5 MSA 211.3 SSA 10.1
 EL1 1383.6 EL2 117.6 ALF 64.77

DIFFERENTIAL CORRECTIONS
 TDE -.1474 TRA .9021 TC3-2.4500 BAU .4687
 RDE -.4275 RRA 1.6314 RC3-2.9113 FAU .10048
 FDE -1.7098 FRA 5.0069 FC3-9.4401 BSP 13616
 BDE .4522 BRA 1.8642 BC3 3.8050 FSP -3335

LAUNCH DATE MAY 1 1967

FLIGHT TIME 180.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC
 RL 150.72 LAL .00 LOL 219.95 VL 27.293 GAL 4.82 AZL 89.28 MCA 210.27 SMA 130.60 ECC .17497 INC .7242 V1 29.562
 RP 107.85 LAP -.37 LOP 70.21 VP 38.012 GAP .95 AZP 90.63 TAL 156.14 TAP 6.41 RCA 107.75 APO 153.45 V2 35.137
 RC 88.880 GL 6.53 GP -42.42 ZAL 52.25 ZAP 102.33 ETS 350.19 ZAE 135.66 ETE 235.37 ZAC 123.03 ETC 350.35 CLP -106.82

PLANETOCENTRIC CONIC
 C3 9.134 VHL 3.022 DLA 10.76 RAL 171.54 RAD 6567.3 VEL 11.425 PTM 1.98 VMP 3.931 DPA -23.71 RAP 133.49 ECC 1.1503
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 51 41 2384.61 -23.30 52.55 23.95 106.57 7 31 25 1784.6 -20.81 44.76
 90.00 21 34 26 4347.87 4.79 180.25 21.15 62.06 22 46 54 3747.9 1.02 173.60
 100.00 8 18 23 2104.94 -24.19 31.67 23.65 108.11 8 53 28 1504.9 -21.49 23.92
 100.00 22 50 24 4102.78 5.62 161.77 20.69 60.59 23 58 47 3502.8 1.66 155.23
 110.00 9 38 49 1853.25 -26.56 11.60 22.68 112.36 10 9 43 1253.3 -23.29 3.96
 110.00 23 46 28 3927.23 7.77 147.13 19.37 56.61 24 51 55 3327.2 3.32 140.87

MID-COURSE EXECUTION ACCURACY
 SGT 2791.8 SGR 3416.0 SG3 1085.9
 RRT .9837 RRF .9974 RTF .9809
 SGB 4411.7 R23 .0732 R13 .9947
 SGI 4394.5 SG2 389.7 TMA 50.83

ORBIT DETERMINATION ACCURACY
 ST 829.8 SR 1211.5 SS 1703.2
 CRT .9968 CRS -.9910 CST -.9774
 LSA 2241.2 MSA 184.6 SSA 11.5
 EL1 1467.4 EL2 55.0 ALF 55.62

DIFFERENTIAL CORRECTIONS
 TDE -.2811 TRA 1.0949 TC3-2.8875 BAU .4826
 RDE -.4474 RRA 1.4920 RC3-2.6985 FAU .10661
 FDE -2.0882 FRA 5.3097 FC3-10.1039 BSP 13618
 BDE .5284 BRA 1.8506 BC3 3.9522 FSP -3580

LAUNCH DATE MAY 1 1967

FLIGHT TIME 182.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 490.128

RL 150.72 LAL .00 LOL 219.95 VL 27.289 GAL 4.91 AZL 89.68 MCA 213.49 SMA 130.57 ECC .17592 INC .3161 V1 29.562
 RP 107.82 LAP -.17 LOP 73.43 VP 38.020 GAP 1.39 AZP 90.26 TAL 155.82 TAP 9.30 RCA 107.60 APO 153.55 V2 35.149
 RC 91.113 GL 2.84 GP -38.91 ZAL 51.46 ZAP 106.91 ETS 347.55 ZAE 136.35 ETE 228.60 ZAC 125.12 ETC 351.30 CLP-111.95

PLANETOCENTRIC CONIC

C3 9.224 VML 3.037 DLA 7.14 RAL 170.59 RAD 6567.3 VEL 11.429 PTH 1.98 VMP 3.857 DPA -19.92 RAP 133.21 ECC 1.1518
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 16 36 2269.29 -20.86 44.98 22.14 109.60 7 54 25 1669.3 -18.00 37.47
 90.00 21 1 53 4467.00 8.55 186.99 20.23 62.90 22 16 20 3867.0 4.85 180.26
 100.00 8 41 21 1995.90 -21.70 24.54 21.81 111.08 9 14 37 1395.9 -18.64 17.08
 100.00 22 19 49 4215.61 9.34 168.08 19.80 61.48 23 30 4 3615.6 5.46 161.44
 110.00 9 57 25 1757.89 -23.94 5.43 20.77 115.16 10 26 42 1157.9 -20.35 358.12
 110.00 23 20 15 4026.39 11.44 152.47 18.55 57.57 24 27 21 3426.4 7.08 146.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.4221 TRA 1.2802 TC3-3.2494 BAU .5004 SGT 3233.2 SGR 3096.6 SG3 1123.5 ST 1082.0 SR 1151.0 SS 1848.1
 RDE -.4501 RRA 1.3605 RC3-2.4296 FAU .10963 RRT .9872 RRF .9965 RTF .9847 CRT .9999 CRS -.9903 CST -.9898
 FDE -2.4238 FRA 5.4941 FC-10.2894 BSP 13798 SGB 4476.9 R23 .0769 R13 .9935 LSA 2425.3 MSA 169.0 SSA 12.7
 BDE .6170 BRA 1.8681 BC3 4.0573 FSP -3732 SG1 4462.7 SG2 357.2 TMA 43.75 EL1 1579.7 EL2 12.9 ALF 46.77

LAUNCH DATE MAY 1 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 496.409

RL 150.72 LAL .00 LOL 219.95 VL 27.283 GAL 5.01 AZL 90.03 MCA 216.71 SMA 130.53 ECC .17710 INC .0185 V1 29.562
 RP 107.78 LAP .02 LOP 76.66 VP 38.026 GAP 1.82 AZP 89.98 TAL 155.46 TAP 12.17 RCA 107.42 APO 153.65 V2 35.160
 RC 93.352 GL -.24 GP -35.67 ZAL 50.80 ZAP 111.46 ETS 345.41 ZAE 136.42 ETE 222.30 ZAC 126.91 ETC 352.54 CLP-116.76

PLANETOCENTRIC CONIC

C3 9.435 VML 3.072 DLA 4.07 RAL 169.93 RAD 6567.3 VEL 11.438 PTH 1.98 VMP 3.835 DPA -16.45 RAP 132.97 ECC 1.1553
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 37 19 2177.04 -18.64 39.12 21.09 111.71 8 13 36 1577.0 -15.53 31.82
 90.00 20 35 56 4568.05 11.62 192.82 19.97 64.00 21 52 4 3968.1 8.03 185.98
 100.00 9 0 34 1908.51 -19.46 19.01 20.74 113.15 9 32 22 1308.5 -16.16 11.77
 100.00 21 55 22 4311.81 12.42 173.57 19.56 62.59 23 7 14 3711.8 8.65 166.81
 110.00 10 13 11 1681.22 -21.64 .67 19.65 117.13 10 41 12 1081.2 -17.82 353.61
 110.00 22 59 14 4111.87 14.51 157.18 18.35 58.71 24 7 46 3511.9 10.26 150.66

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.5680 TRA 1.4584 TC3-3.5339 BAU .5213 SGT 3643.2 SGR 2786.9 SG3 1134.0 ST 1340.2 SR 1074.1 SS 1965.3
 RDE -.4386 RRA 1.2385 RC3-2.1432 FAU .10987 RRT .9890 RRF .9952 RTF .9870 CRT .9989 CRS -.9889 CST -.9946
 FDE -2.7012 FRA 5.5709 FC-10.0817 BSP 14138 SGB 4586.9 R23 .0751 R13 .9926 LSA 2605.0 MSA 161.0 SSA 13.5
 BDE .7176 BRA 1.9133 BC3 4.1330 FSP -3794 SG1 4575.1 SG2 328.7 TMA 37.33 EL1 1717.0 EL2 40.1 ALF 38.70

LAUNCH DATE MAY 1 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 502.670

RL 150.72 LAL .00 LOL 219.95 VL 27.276 GAL 5.13 AZL 90.32 MCA 219.94 SMA 130.48 ECC .17849 INC .3226 V1 29.562
 RP 107.75 LAP .21 LOP 79.88 VP 38.030 GAP 2.26 AZP 89.75 TAL 155.07 TAP 15.00 RCA 107.19 APO 153.77 V2 35.170
 RC 95.596 GL -2.81 GP -32.68 ZAL 50.21 ZAP 115.88 ETS 343.68 ZAE 136.02 ETE 216.65 ZAC 128.38 ETC 354.02 CLP-121.24

PLANETOCENTRIC CONIC

C3 9.739 VML 3.121 DLA 1.45 RAL 169.52 RAD 6567.4 VEL 11.451 PTH 1.99 VMP 3.855 DPA -13.30 RAP 132.83 ECC 1.1603
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 55 12 2101.77 -16.68 34.46 20.61 113.22 8 30 14 1501.8 -13.40 27.33
 90.00 20 14 45 4655.79 14.19 197.99 20.20 65.23 21 32 21 4055.8 10.73 191.01
 100.00 9 17 13 1837.21 -17.49 14.63 20.23 114.63 9 47 50 1237.2 -14.02 7.56
 100.00 21 35 25 4395.58 14.99 178.46 19.80 63.83 22 48 41 3795.6 11.35 171.56
 110.00 10 27 1 1618.75 -19.65 356.91 19.09 118.55 10 53 59 1018.8 -15.68 350.03
 110.00 22 42 7 4186.80 17.12 161.43 18.62 59.95 23 51 54 3586.8 12.99 154.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.7167 TRA 1.6304 TC3-3.7439 BAU .5445 SGT 4019.6 SGR 2494.9 SG3 1121.7 ST 1594.7 SR 985.9 SS 2054.0
 RDE -.4166 RRA 1.1273 RC3-1.8638 FAU .10778 RRT .9896 RRF .9935 RTF .9883 CRT .9965 CRS -.9869 CST -.9968
 FDE -2.9141 FRA 5.5574 FC3-9.5810 BSP 14605 SGB 4731.0 R23 .0680 R13 .9918 LSA 2776.5 MSA 157.9 SSA 13.9
 BDE .8290 BRA 1.9822 BC3 4.1822 FSP -3778 SG1 4721.1 SG2 306.2 TMA 31.71 EL1 1873.6 EL2 69.9 ALF 31.69

LAUNCH DATE MAY 1 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 508.911

RL 150.72 LAL .00 LOL 219.95 VL 27.267 GAL 5.26 AZL 90.58 MCA 223.16 SMA 130.42 ECC .18012 INC .5815 V1 29.562
 RP 107.72 LAP .40 LOP 83.11 VP 38.033 GAP 2.69 AZP 89.58 TAL 154.64 TAP 17.80 RCA 106.93 APO 153.91 V2 35.180
 RC 97.843 GL -4.97 GP -29.96 ZAL 49.64 ZAP 120.13 ETS 342.28 ZAE 135.26 ETE 214.72 ZAC 129.50 ETC 355.65 CLP-125.40

PLANETOCENTRIC CONIC

C3 10.122 VML 3.181 DLA -.80 RAL 169.31 RAD 6567.4 VEL 11.468 PTH 1.99 VMP 3.910 DPA -10.46 RAP 132.82 ECC 1.1666
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 11 4 2039.55 -14.97 30.69 20.56 114.32 8 45 3 1439.5 -11.57 23.67
 90.00 19 57 12 4733.33 16.34 202.66 20.79 66.55 21 16 6 4133.3 13.03 195.54
 100.00 9 32 2 1778.36 -15.79 11.09 20.16 115.72 10 1 40 1178.4 -12.20 4.14
 100.00 21 18 55 4469.74 17.16 182.89 20.41 65.14 22 33 25 3869.7 13.67 175.84
 110.00 10 39 25 1567.42 -17.95 353.90 18.98 119.59 11 5 33 967.4 -13.87 347.15
 110.00 22 28 1 4253.52 19.34 165.31 19.25 61.25 23 38 55 3653.5 15.36 158.46

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.8645 TRA 1.7997 TC3-3.8778 BAU .5675 SGT 4361.1 SGR 2225.1 SG3 1090.8 ST 1837.2 SR 889.7 SS 2110.5
 RDE -.3852 RRA 1.0292 RC3-1.5980 FAU .10340 RRT .9890 RRF .9910 RTF .9890 CRT .9931 CRS -.9836 CST -.9979
 FDE -3.0525 FRA 5.4825 FC3-8.8443 BSP 15103 SGB 4896.0 R23 .0571 R13 .9912 LSA 2931.9 MSA 157.7 SSA 14.3
 BDE .9465 BRA 2.0732 BC3 4.1942 FSP -3680 SG1 4887.2 SG2 293.3 TMA 26.88 EL1 2039.1 EL2 93.9 ALF 25.74

LAUNCH DATE MAY 1 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 515.129

RL 150.72 LAL .00 LOL 219.95 VL 27.256 GAL 5.41 AZL 90.81 MCA 226.39 SMA 130.35 ECC .18197 INC .8111 V1 29.562
 RP 107.69 LAP .59 LOP 86.34 VP 38.035 GAP 3.13 AZP 89.44 TAL 154.18 TAP 20.57 RCA 106.63 APO 154.07 V2 35.190
 RC 100.092 GL -6.79 GP -27.50 ZAL 49.07 ZAP 124.15 ETS 341.15 ZAE 134.28 ETE 207.51 ZAC 130.27 ETC 357.36 CLP-129.26

PLANETOCENTRIC CONIC

C3 10.575 VHL 3.252 OLA -2.76 RAL 169.27 RAD 6567.4 VEL 11.488 PTH 2.00 VHP 3.995 OPA -7.94 RAP 132.96 ECC 1.1740
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 25 25 1987.71 -13.50 27.60 20.85 115.13 8 58 33 1387.7 -10.00 20.67
 90.00 19 42 32 4802.80 18.18 206.93 21.68 67.91 21 2 34 4202.8 15.02 199.68
 100.00 9 45 29 1729.47 -14.32 8.20 20.44 116.52 10 14 18 1129.5 -10.64 1.54
 100.00 21 5 9 4536.28 19.02 186.96 21.31 66.50 22 20 46 3936.3 15.68 179.76
 110.00 10 50 46 1525.07 -16.51 351.46 19.21 120.37 11 16 11 925.1 -12.35 344.82
 110.00 22 16 21 4313.45 21.27 168.90 20.17 62.59 23 28 14 3713.4 17.43 161.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.0143 TRA 1.9635 TC3-3.9589 BAU .5921 SGT 4671.1 SGR 1982.1 SG3 1047.7 ST 2068.6 SR 794.4 SS 2147.1
 RDE -.3510 RRA .9410 RC3-1.3676 FAU .09819 RRT .9877 RRF .9876 RTF .9894 CRT .9886 CRS -.9790 CST -.9985
 FDE-3.1425 FRA 5.3499 FC3-8.0390 BSP 15715 SGB 5074.2 R23 .0433 R13 .9907 LSA 3081.4 MSA 159.2 SSA 14.4
 BDE 1.0733 BRA 2.1773 BC3 4.1884 FSP -3554 SG1 5066.1 SG2 286.3 TMA 22.82 EL1 2213.1 EL2 111.9 ALF 20.85

LAUNCH DATE MAY 1 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 521.324

RL 150.72 LAL .00 LOL 219.95 VL 27.245 GAL 5.58 AZL 91.02 MCA 229.63 SMA 130.27 ECC .18405 INC 1.0174 V1 29.562
 RP 107.66 LAP .78 LOP 89.57 VP 38.035 GAP 3.57 AZP 89.34 TAL 153.69 TAP 23.31 RCA 106.29 APO 154.24 V2 35.199
 RC 102.344 GL -8.31 GP -25.27 ZAL 48.49 ZAP 127.93 ETS 340.22 ZAE 133.17 ETE 203.96 ZAC 130.70 ETC 359.08 CLP-132.82

PLANETOCENTRIC CONIC

C3 11.096 VHL 3.331 OLA -4.46 RAL 169.37 RAD 6567.4 VEL 11.510 PTH 2.00 VHP 4.104 OPA -5.72 RAP 133.27 ECC 1.1826
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 38 36 1944.36 -12.23 25.05 21.42 115.74 9 11 1 1344.4 -8.67 18.18
 90.00 19 30 11 4865.81 19.74 210.89 22.81 69.28 20 51 17 4265.8 16.75 203.50
 100.00 9 57 51 1688.72 -13.07 5.83 20.99 117.13 10 26 0 1088.7 -9.33 359.03
 100.00 20 53 37 4596.69 20.62 190.73 22.44 67.86 22 10 14 3996.7 17.43 183.39
 110.00 11 1 18 1490.11 -15.29 349.48 19.72 120.95 11 26 8 890.1 -11.08 342.91
 110.00 22 6 40 4368.06 22.94 172.26 21.32 63.93 23 19 28 3768.1 19.25 165.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.1633 TRA 2.1254 TC3-3.9881 BAU .6164 SGT 4950.7 SGR 1765.6 SG3 996.2 ST 2284.9 SR 701.6 SS 2162.6
 RDE -.3140 RRA .8640 RC3-1.1664 FAU .09215 RRT .9851 RRF .9831 RTF .9895 CRT .9822 CRS -.9723 CST -.9988
 FDE-3.1825 FRA 5.1856 FC3-7.1900 BSP 16356 SGB 5256.1 R23 .0291 R13 .9903 LSA 3219.2 MSA 161.6 SSA 14.4
 BDE 1.2050 BRA 2.2942 BC3 4.1552 FSP -3398 SG1 5248.3 SG2 286.0 TMA 19.42 EL1 2386.8 EL2 126.1 ALF 16.83

LAUNCH DATE MAY 1 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 527.496

RL 150.72 LAL .00 LOL 219.95 VL 27.232 GAL 5.76 AZL 91.20 MCA 232.86 SMA 130.18 ECC .18636 INC 1.2047 V1 29.562
 RP 107.63 LAP .96 LOP 92.80 VP 38.034 GAP 4.01 AZP 89.27 TAL 153.16 TAP 26.02 RCA 105.92 APO 154.44 V2 35.208
 RC 104.596 GL -9.59 GP -23.28 ZAL 47.87 ZAP 131.46 ETS 339.45 ZAE 131.99 ETE 200.98 ZAC 130.82 ETC .75 CLP-136.12

PLANETOCENTRIC CONIC

C3 11.685 VHL 3.418 OLA -5.96 RAL 169.60 RAD 6567.4 VEL 11.536 PTH 2.01 VHP 4.235 OPA -3.78 RAP 133.75 ECC 1.1923
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 50 51 1908.09 -11.15 22.94 22.22 116.20 9 22 39 1308.1 -7.54 16.12
 90.00 19 19 46 4923.54 21.09 214.59 24.14 70.65 20 41 49 4323.5 18.26 207.06
 100.00 10 9 22 1654.80 -12.01 3.87 21.78 117.58 10 36 57 1054.8 -8.22 357.12
 100.00 20 43 56 4652.07 21.99 194.27 23.78 69.23 22 1 28 4052.1 18.97 186.78
 110.00 11 11 9 1461.38 -14.28 347.87 20.46 121.39 11 35 30 861.4 -10.02 341.35
 110.00 21 58 39 4418.25 24.41 175.42 22.68 65.29 23 12 17 3818.2 20.87 168.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.3111 TRA 2.2875 TC3-3.9711 BAU .6394 SGT 5202.0 SGR 1574.9 SG3 940.1 ST 2484.6 SR 613.7 SS 2160.6
 RDE -.2758 RRA .7973 RC3 -.9931 FAU .08563 RRT .9813 RRF .9771 RTF .9895 CRT .9731 CRS -.9626 CST -.9991
 FDE-3.1818 FRA 5.0048 FC3-6.3442 BSP 16985 SGB 5435.2 R23 .0158 R13 .9899 LSA 3345.2 MSA 164.5 SSA 14.5
 BDE 1.3398 BRA 2.4225 BC3 4.0934 FSP -3221 SG1 5427.4 SG2 290.7 TMA 16.59 EL1 2555.6 EL2 137.5 ALF 13.55

LAUNCH DATE MAY 1 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 533.642

RL 150.72 LAL .00 LOL 219.95 VL 27.218 GAL 5.96 AZL 91.38 MCA 236.10 SMA 130.08 ECC .18892 INC 1.3768 V1 29.562
 RP 107.61 LAP .114 LOP 96.04 VP 38.031 GAP 4.45 AZP 89.23 TAL 152.60 TAP 28.70 RCA 105.51 APO 154.66 V2 35.216
 RC 106.849 GL -10.67 GP -21.49 ZAL 47.23 ZAP 134.76 ETS 338.78 ZAE 130.81 ETE 198.51 ZAC 130.66 ETC 2.33 CLP-139.18

PLANETOCENTRIC CONIC

C3 12.345 VHL 3.514 OLA -7.28 RAL 169.94 RAD 6567.5 VEL 11.564 PTH 2.02 VHP 4.385 OPA -2.10 RAP 134.38 ECC 1.2032
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 2 20 1877.88 -10.23 21.19 23.23 116.55 9 33 37 1277.9 -6.59 14.40
 90.00 19 10 59 4976.90 22.25 218.07 25.64 72.02 20 33 56 4376.9 19.59 210.41
 100.00 10 20 11 1626.72 -11.12 2.26 22.76 117.93 10 47 18 1026.7 -7.29 355.55
 100.00 20 35 49 4703.50 23.19 197.60 25.29 70.59 21 54 12 4103.3 20.33 189.97
 110.00 11 20 27 1437.99 -13.45 346.57 21.39 121.73 11 44 25 838.0 -9.16 340.10
 110.00 21 52 2 4464.79 25.70 178.42 24.22 66.64 23 6 27 3864.8 22.31 170.90

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.4574 TRA 2.4514 TC3-3.9157 BAU .6611 SGT 5427.8 SGR 1408.0 SG3 882.0 ST 2667.8 SR 532.3 SS 2144.2
 RDE -.2374 RRA .7400 RC3 -.8453 FAU .07890 RRT .9757 RRF .9693 RTF .9894 CRT .9596 CRS -.9484 CST -.9993
 FDE-3.1491 FRA 4.8175 FC3-5.5335 BSP 17595 SGB 5607.4 R23 .0044 R13 .9895 LSA 3459.7 MSA 167.8 SSA 14.5
 BDE 1.4766 BRA 2.5606 BC3 4.0059 FSP -3032 SG1 5599.4 SG2 298.9 TMA 14.25 EL1 2716.4 EL2 147.1 ALF 10.87

LAUNCH DATE MAY 1 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 539.762

RL 150.72 LAL .00 LOL 219.95 VL 27.203 GAL 6.18 AZL 91.54 MCA 239.34 SMA 129.98 ECC .19173 INC 1.5363 V1 29.562
 RP 107.59 LAP 1.32 LOP 99.27 VP 38.028 GAP 4.90 AZP 89.22 TAL 152.02 TAP 31.36 RCA 105.06 APO 154.90 V2 35.223
 RC 109.101 GL -11.57 GP -19.90 ZAL 46.55 ZAP 137.83 ETS 338.17 ZAE 129.66 ETE 196.45 ZAC 130.25 ETC 3.79 CLP-142.02

PLANETOCENTRIC CONIC

C3 13.080 VML 3.617 CLA -8.44 RAL 170.37 RAD 6567.5 VEL 11.536 PTH 2.03 VMP 4.552 DPA -.66 RAP 135.17 ECC 1.2153
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 13 9 1852.95 -9.47 19.75 24.40 116.81 9 44 1 1252.9 -5.80 13.00
 90.00 19 3 37 5026.62 23.26 221.37 27.30 73.38 20 27 24 4426.6 20.76 213.59
 100.00 10 30 23 1603.73 -10.38 .95 23.92 118.19 10 57 7 1003.7 -6.53 354.27
 100.00 20 29 3 4751.06 24.24 200.77 26.96 71.95 21 48 14 4151.1 21.54 193.01
 110.00 11 29 18 1419.28 -12.78 345.53 22.50 121.98 11 52 57 819.3 -8.46 339.10
 110.00 21 46 38 4508.29 26.84 181.28 25.91 67.99 23 1 46 3908.3 23.61 173.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6002 TRA 2.6209 TC3-3.8216 BAU .6800 SGT 5629.1 SGR 1262.9 SG3 823.9 ST 2831.9 SR 458.0 SS 2114.1
 RDE -.1988 RRA .6913 RC3 -.7181 FAU .07199 RRT .9680 RRF .9592 RTF .9891 CRT .9391 CRS -.9269 CST -.9994
 FDE-3.0877 FRA 4.6361 FC3-4.7649 BSP 18123 SGB 5769.0 R23 -.0047 R13 .9891 LSA 3559.4 MSA 171.4 SSA 14.5
 BDE 1.6125 BRA 2.7105 BC3 3.8884 FSP -2832 SG1 5760.7 SG2 309.5 TMA 12.29 EL1 2864.4 EL2 155.6 ALF 8.66

LAUNCH DATE MAY 1 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 545.853

RL 150.72 LAL .00 LOL 219.95 VL 27.187 GAL 6.42 AZL 91.69 MCA 242.58 SMA 129.87 ECC .19481 INC 1.6856 V1 29.562
 RP 107.57 LAP 1.50 LOP 102.51 VP 38.022 GAP 5.36 AZP 89.22 TAL 151.41 TAP 33.98 RCA 104.57 APO 155.17 V2 35.230
 RC 111.351 GL -12.31 GP -18.48 ZAL 45.84 ZAP 140.69 ETS 337.60 ZAE 128.56 ETE 194.73 ZAC 129.62 ETC 5.11 CLP-144.66

PLANETOCENTRIC CONIC

C3 13.897 VML 3.728 CLA -9.47 RAL 170.89 RAD 6567.5 VEL 11.631 PTH 2.04 VMP 4.734 DPA .56 RAP 136.09 ECC 1.2287
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 23 23 1832.69 -8.85 18.59 25.72 117.01 9 53 56 1232.7 -5.16 11.86
 90.00 18 57 28 5073.25 24.13 224.51 29.09 74.72 20 22 1 4473.2 21.80 216.61
 100.00 10 40 4 1585.27 -9.78 359.90 25.22 118.39 11 6 30 985.3 -5.92 353.25
 100.00 20 23 28 4795.90 25.15 203.79 28.77 73.29 21 43 24 4195.9 22.62 195.90
 110.00 11 37 44 1404.70 -12.25 344.73 25.75 122.16 12 1 9 804.7 -7.92 338.32
 110.00 21 42 17 4549.23 27.85 184.03 27.74 69.33 22 58 6 3949.2 24.79 176.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7448 TRA 2.7918 TC3-3.7111 BAU .6988 SGT 5811.5 SGR 1137.3 SG3 767.9 ST 2983.6 SR 392.9 SS 2079.7
 RDE -.1623 RRA .6488 RC3 -.6137 FAU .06564 RRT .9581 RRF .9466 RTF .9888 CRT .9092 CRS -.8957 CST -.9995
 FDE-3.0179 FRA 4.4542 FC3-4.0895 BSP 18679 SGB 5921.7 R23 -.0127 R13 .9887 LSA 3653.9 MSA 174.8 SSA 14.5
 BDE 1.7524 BRA 2.8662 BC3 3.7615 FSP -2648 SG1 5913.0 SG2 320.1 TMA 10.65 EL1 3005.0 EL2 162.4 ALF 6.85

LAUNCH DATE MAY 1 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 551.915

RL 150.72 LAL .00 LOL 219.95 VL 27.171 GAL 6.67 AZL 91.83 MCA 245.82 SMA 129.75 ECC .19815 INC 1.8264 V1 29.562
 RP 107.55 LAP 1.67 LOP 105.75 VP 38.016 GAP 5.82 AZP 89.25 TAL 150.77 TAP 36.59 RCA 104.04 APO 155.46 V2 35.236
 RC 113.598 GL -12.92 GP -17.20 ZAL 45.10 ZAP 143.35 ETS 337.04 ZAE 127.52 ETE 193.30 ZAC 128.79 ETC 6.28 CLP-147.13

PLANETOCENTRIC CONIC

C3 14.803 VML 3.847 CLA -10.39 RAL 171.47 RAD 6567.6 VEL 11.670 PTH 2.05 VMP 4.930 DPA 1.58 RAP 137.15 ECC 1.2436
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 33 6 1816.62 -8.35 17.67 27.17 117.16 10 3 23 1216.6 -4.64 10.95
 90.00 18 52 23 5117.26 24.89 227.51 31.00 76.04 20 17 41 4517.3 22.72 219.51
 100.00 10 49 17 1570.85 -9.32 359.09 26.65 118.53 11 15 28 970.9 -5.44 352.45
 100.00 20 18 54 4638.26 25.95 206.68 30.69 74.61 21 39 32 4238.3 23.58 198.68
 110.00 11 45 49 1393.85 -11.86 344.14 25.14 122.30 12 9 2 793.9 -7.51 337.74
 110.00 21 38 52 4588.03 28.76 186.69 29.71 70.67 22 55 20 3988.0 25.85 178.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8889 TRA 2.9887 TC3-3.5791 BAU .7159 SGT 5974.9 SGR 1028.7 SG3 714.2 ST 3120.5 SR 336.4 SS 2039.1
 RDE -.1268 RRA .6122 RC3 -.5253 FAU .05956 RRT .9454 RRF .9311 RTF .9884 CRT .8643 CRS -.8494 CST -.9995
 FDE-2.9370 FRA 4.2817 FC3-3.4831 BSP 19200 SGB 6062.9 R23 -.0190 R13 .9883 LSA 3738.6 MSA 178.2 SSA 14.4
 BDE 1.8932 BRA 3.0312 BC3 3.6174 FSP -2470 SG1 6055.8 SG2 331.0 TMA 9.27 EL1 3134.1 EL2 168.4 ALF 5.34

LAUNCH DATE MAY 1 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 557.944

RL 150.72 LAL .00 LOL 219.95 VL 27.153 GAL 6.95 AZL 91.96 MCA 249.06 SMA 129.63 ECC .20179 INC 1.9602 V1 29.562
 RP 107.53 LAP 1.83 LOP 108.99 VP 38.008 GAP 6.29 AZP 89.30 TAL 150.11 TAP 39.17 RCA 103.47 APO 155.79 V2 35.241
 RC 115.842 GL -13.41 GP -16.07 ZAL 44.34 ZAP 145.83 ETS 336.45 ZAE 126.55 ETE 192.09 ZAC 127.79 ETC 7.32 CLP-149.44

PLANETOCENTRIC CONIC

C3 15.808 VML 3.976 CLA -11.21 RAL 172.11 RAD 6567.6 VEL 11.713 PTH 2.06 VMP 5.140 DPA 2.42 RAP 138.33 ECC 1.2602
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 42 22 1804.39 -7.97 16.98 28.74 117.26 10 12 26 1204.4 -4.25 10.27
 90.00 18 48 16 5159.03 25.54 230.39 33.03 77.34 20 14 15 4559.0 23.55 222.29
 100.00 10 58 4 1560.14 -8.97 358.48 28.21 118.63 11 24 4 960.1 -5.08 351.86
 100.00 20 15 15 4878.51 26.64 209.47 32.73 75.92 21 36 33 4278.5 24.45 201.36
 110.00 11 53 33 1386.40 -11.58 343.73 26.64 122.39 12 16 39 786.4 -7.23 337.35
 110.00 21 36 15 4625.01 29.56 189.27 31.78 72.00 22 53 20 4025.0 26.82 181.16

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0326 TRA 3.1525 TC3-3.4310 BAU .7313 SGT 6121.4 SGR 934.8 SG3 663.6 ST 3242.9 SR 288.7 SS 1993.9
 RDE -.0924 RRA .9807 RC3 -.4507 FAU .05383 RRT .9294 RRF .9123 RTF .9881 CRT .7974 CRS -.7809 CST -.9996
 FDE-2.8491 FRA 4.1201 FC3-2.9478 BSP 19684 SGB 6192.3 R23 -.0241 R13 .9879 LSA 3813.4 MSA 181.4 SSA 14.4
 BDE 2.0347 BRA 3.2055 BC3 3.4604 FSP -2302 SG1 6182.9 SG2 341.5 TMA 8.10 EL1 3251.1 EL2 173.8 ALF 4.07

LAUNCH DATE MAY 1 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 563.940

RL 150.72 LAL .00 LOL 219.95 VL 27.135 GAL 7.25 AZL 92.09 MCA 252.30 SMA 129.51 ECC .20573 INC 2.0884 V1 29.562
 RP 107.52 LAP 1.99 LOP 112.24 VP 38.000 GAP 6.77 AZP 89.36 TAL 149.43 TAP 41.73 RCA 102.86 APO 156.15 V2 35.246
 RC 118.080 GL -13.80 GP -15.06 ZAL 43.55 ZAP 148.16 ETS 335.84 ZAE 125.65 ETE 191.08 ZAC 126.65 ETC 8.23 CLP-151.60

PLANETOCENTRIC CONIC

C3 16.923 VML 4.114 DLA -11.93 RAL 172.80 RAD 6567.7 VEL 11.760 PTH 2.08 VMP 5.363 OPA 3.10 RAP 139.61 ECC 1.2785
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 51 11 1795.68 -7.70 16.48 30.42 117.33 10 21 6 4598.9 24.28 224.98
 90.00 18 44 59 5198.88 26.11 233.17 35.15 78.63 20 11 38 952.8 -4.83 351.45
 100.00 11 6 27 1552.84 -8.73 358.07 29.87 118.70 11 32 20 4317.0 25.22 203.95
 100.00 20 12 24 4916.95 27.25 212.16 34.88 77.22 21 34 21 782.1 -7.07 337.12
 110.00 12 0 58 1382.09 -11.43 343.50 28.25 122.44 12 24 0 4060.5 27.70 183.54
 110.00 21 34 22 4660.47 30.28 191.78 35.97 73.33 22 52 3

DIFFERENTIAL CORRECTIONS

TDE-2.1733 TRA 3.3481 TC3-3.2614 BAU .7430
 RDE -.0586 RRA .5538 RC3 -.3858 FAU .04820
 FDE-2.7533 FRA 3.9752 FC3-2.4657 BSP 20049
 BDE 2.1741 BRA 3.3936 BC3 3.2841 FSP -2131

MID-COURSE EXECUTION ACCURACY

SGT 6251.3 SGR 853.8 SG3 616.1
 RRT .9099 RRF .8900 RTF .9876
 SGB 6309.3 R23 -.0276 R13 .9874
 SG1 6299.5 SG2 351.5 TMA 7.11

ORBIT DETERMINATION ACCURACY

ST 3348.6 SR 250.4 SS 1943.5
 CRT .6988 CRS -.6808 CST -.9997
 LSA 3875.4 MSA 184.8 SSA 14.3
 EL1 3353.2 EL2 178.9 ALF 3.00

LAUNCH DATE MAY 1 1967

FLIGHT TIME 208.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 569.897

RL 150.72 LAL .00 LOL 219.95 VL 27.115 GAL 7.57 AZL 92.21 MCA 255.54 SMA 129.58 ECC .21000 INC 2.2121 V1 29.562
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.990 GAP 7.26 AZP 89.45 TAL 148.72 TAP 44.27 RCA 102.21 APO 156.54 V2 35.250
 RC 120.312 GL -14.09 GP -14.15 ZAL 42.74 ZAP 150.33 ETS 335.17 ZAE 124.81 ETE 190.21 ZAC 125.39 ETC 9.01 CLP-153.65

PLANETOCENTRIC CONIC

C3 18.162 VML 4.262 DLA -12.58 RAL 173.54 RAD 6567.7 VEL 11.813 PTH 2.09 VMP 5.600 OPA 3.63 RAP 140.98 ECC 1.2989
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 59 34 1790.27 -7.53 16.17 32.20 117.38 10 29 25 1190.3 -3.80 9.48
 90.00 18 42 28 5237.05 26.59 235.86 37.37 79.89 20 9 45 4637.1 24.93 227.59
 100.00 11 14 27 1548.72 -8.59 357.84 31.62 118.74 11 40 15 948.7 -4.69 351.22
 100.00 20 10 17 4953.84 27.78 214.78 37.11 78.90 21 32 51 4353.8 25.91 206.47
 110.00 12 8 5 1380.70 -11.38 343.42 29.95 122.45 12 31 6 780.7 -7.01 337.04
 110.00 21 33 8 4694.62 30.92 194.23 36.25 74.65 22 51 22 4094.6 28.51 185.87

DIFFERENTIAL CORRECTIONS

TDE-2.3189 TRA 3.5490 TC3-3.0921 BAU .7551
 RDE -.0265 RRA .5298 RC3 -.3321 FAU .04325
 FDE-2.6637 FRA 3.8368 FC3-2.0616 BSP 20476
 BDE 2.3191 BRA 3.5883 BC3 3.1099 FSP -1986

MID-COURSE EXECUTION ACCURACY

SGT 6369.1 SGR 783.5 SG3 572.1
 RRT .8866 RRF .8638 RTF .9872
 SGB 6417.1 R23 -.0308 R13 .9870
 SG1 6407.0 SG2 360.2 TMA 6.24

ORBIT DETERMINATION ACCURACY

ST 3446.3 SR 222.0 SS 1895.1
 CRT .5657 CRS -.5464 CST -.9997
 LSA 3934.7 MSA 187.6 SSA 14.2
 EL1 3448.6 EL2 182.9 ALF 2.09

LAUNCH DATE MAY 1 1967

FLIGHT TIME 210.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 575.814

RL 150.72 LAL .00 LOL 219.95 VL 27.096 GAL 7.91 AZL 92.33 MCA 258.79 SMA 129.24 ECC .21462 INC 2.3322 V1 29.562
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.979 GAP 7.77 AZP 89.55 TAL 148.00 TAP 46.79 RCA 101.50 APO 156.98 V2 35.253
 RC 122.538 GL -14.30 GP -13.34 ZAL 41.91 ZAP 152.38 ETS 334.42 ZAE 124.03 ETE 189.47 ZAC 124.01 ETC 9.68 CLP-155.59

PLANETOCENTRIC CONIC

C3 19.539 VML 4.420 DLA -13.15 RAL 174.31 RAD 6567.8 VEL 11.871 PTH 2.11 VMP 5.850 OPA 4.04 RAP 142.44 ECC 1.3216
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 7 34 1787.96 -7.45 16.04 34.06 117.40 10 37 22 1188.0 -3.73 9.35
 90.00 18 40 38 5273.77 27.00 238.47 39.67 81.14 20 8 32 4673.8 25.50 230.13
 100.00 11 22 4 1547.59 -8.56 357.78 33.46 118.75 11 47 51 947.6 -4.66 351.16
 100.00 20 8 50 4989.37 28.24 217.32 39.44 79.76 21 31 59 4389.4 26.53 208.93
 110.00 12 14 55 1382.06 -11.43 343.50 31.74 122.44 12 37 57 782.1 -7.07 337.12
 110.00 21 32 28 4727.67 31.49 196.64 38.63 75.97 22 51 15 4127.7 29.25 188.16

DIFFERENTIAL CORRECTIONS

TDE-2.4650 TRA 3.7608 TC3-2.9150 BAU .7651
 RDE .0049 RRA .5085 RC3 -.2859 FAU .03863
 FDE-2.5739 FRA 3.7108 FC3-1.7116 BSP 20861
 BDE 2.4651 BRA 3.7950 BC3 2.9290 FSP -1849

MID-COURSE EXECUTION ACCURACY

SGT 6473.7 SGR 722.5 SG3 531.3
 RRT .8593 RRF .8337 RTF .9868
 SGB 6513.9 R23 -.0332 R13 .9866
 SG1 6503.5 SG2 367.9 TMA 5.50

ORBIT DETERMINATION ACCURACY

ST 3531.3 SR 203.3 SS 1845.3
 CRT .3972 CRS -.3772 CST -.9997
 LSA 3985.0 MSA 190.3 SSA 14.1
 EL1 3532.3 EL2 186.5 ALF 1.31

LAUNCH DATE MAY 1 1967

FLIGHT TIME 212.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 581.687

RL 150.72 LAL .00 LOL 219.95 VL 27.076 GAL 8.29 AZL 92.45 MCA 262.03 SMA 129.10 ECC .21961 INC 2.4496 V1 29.562
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.967 GAP 8.29 AZP 89.66 TAL 147.27 TAP 49.31 RCA 100.75 APO 157.46 V2 35.256
 RC 124.755 GL -14.45 GP -12.61 ZAL 41.08 ZAP 154.31 ETS 333.58 ZAE 123.32 ETE 188.84 ZAC 122.55 ETC 10.25 CLP-157.43

PLANETOCENTRIC CONIC

C3 21.074 VML 4.591 DLA -13.65 RAL 175.11 RAD 6567.9 VEL 11.935 PTH 2.12 VMP 6.114 OPA 4.32 RAP 143.98 ECC 1.3468
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 15 10 1788.59 -7.47 16.08 36.00 117.39 10 44 58 1188.6 -3.75 9.38
 90.00 18 39 26 5309.23 27.35 241.01 42.06 82.37 20 7 55 4709.2 26.01 232.60
 100.00 11 29 19 1549.30 -8.61 357.87 35.39 118.73 11 55 9 949.3 -4.71 351.26
 100.00 20 7 57 5023.75 28.63 219.80 41.85 81.01 21 31 41 4423.7 27.09 211.34
 110.00 12 21 27 1386.02 -11.57 343.71 33.61 122.39 12 44 33 786.0 -7.21 337.33
 110.00 21 32 19 4759.79 32.00 199.01 41.10 77.28 22 51 39 4159.8 29.92 190.41

DIFFERENTIAL CORRECTIONS

TDE-2.6134 TRA 3.9840 TC3-2.7331 BAU .7731
 RDE .0356 RRA .4894 RC3 -.2460 FAU .03434
 FDE-2.4868 FRA 3.5964 FC3-1.4107 BSP 21210
 BDE 2.6136 BRA 4.0140 BC3 2.7441 FSP -1721

MID-COURSE EXECUTION ACCURACY

SGT 6566.6 SGR 669.4 SG3 493.7
 RRT .8277 RRF .7995 RTF .9864
 SGB 6600.6 R23 -.0349 R13 .9863
 SG1 6590.0 SG2 374.3 TMA 4.84

ORBIT DETERMINATION ACCURACY

ST 3605.7 SR 193.9 SS 1795.8
 CRT .2072 CRS -.1874 CST -.9998
 LSA 4028.2 MSA 192.6 SSA 14.0
 EL1 3605.9 EL2 189.6 ALF .64

LAUNCH DATE MAY 1 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC
 RL 150.72 LAL .00 LOL 219.95 VL 27.055 GAL 8.69 AZL 92.57 MCA 265.28 SMA 128.96 ECC .22501 INC 2.5653 V1 29.562
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.954 GAP 8.82 AZP 89.79 TAL 146.53 TAP 51.81 RCA 99.95 APO 157.98 V2 35.258
 RC 126.964 GL -14.52 GP -11.95 ZAL 40.23 ZAP 156.13 ETS 332.62 ZAE 122.65 ETE 188.29 ZAC 121.00 ETC 10.74 CLP-159.18

PLANETOCENTRIC CONIC
 C3 22.786 VML 4.773 OLA -14.10 RAL 175.94 RAD 6567.9 VEL 12.007 PTH 2.14 VMP 6.393 DPA 4.49 RAP 145.57 ECC 1.3750
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 22 22 1792.01 -7.58 16.27 38.02 117.36 10 52 14 1192.0 -3.86 9.57
 90.00 18 38 48 5343.57 27.64 243.48 44.51 83.57 20 7 52 4743.6 26.46 235.01
 100.00 11 36 14 1553.70 -8.76 358.12 37.38 118.69 12 2 7 953.7 -4.86 351.50
 100.00 20 7 37 5057.12 28.96 222.23 44.33 82.24 21 31 54 4457.1 27.58 213.69
 110.00 12 27 42 1392.43 -11.81 344.06 35.56 122.32 12 50 55 792.5 -7.46 337.67
 110.00 21 32 38 4791.13 32.45 201.34 43.64 78.60 22 52 29 4191.1 30.54 192.65

DIFFERENTIAL CORRECTIONS
 TDE-2.7641 TRA 4.2207 TC3-2.5480 BAU .7789 SGT 6649.0 SGR 622.9 SG3 459.0 ST 3669.9 SR 192.3 SS 1746.9
 RDE .0659 RRA .4719 RC3 -.2114 FAU .03034 RRT .7917 RRF .7612 RTF .9860 CRT .0179 CRS .0010 CST -.9998
 FDE-2.4028 FRA 3.4937 FC3-1.1528 BSP 21523 SGB 6678.1 R23 -.0360 R13 .9859 LSA 4064.3 MSA 194.6 SSA 14.0
 BDE 2.7649 BRA 4.2470 BC3 2.5568 FSP -1603 SG1 6667.3 SG2 379.5 THA 4.26 EL1 3669.9 EL2 192.3 ALF .05

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 1 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC
 RL 150.72 LAL .00 LOL 219.95 VL 27.034 GAL 9.12 AZL 92.68 MCA 268.53 SMA 128.82 ECC .23084 INC 2.6799 V1 29.562
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.939 GAP 9.38 AZP 89.93 TAL 145.77 TAP 54.30 RCA 99.08 APO 158.56 V2 35.259
 RC 129.165 GL -14.54 GP -11.36 ZAL 39.38 ZAP 157.85 ETS 331.53 ZAE 122.03 ETE 187.81 ZAC 119.39 ETC 11.15 CLP-160.86

PLANETOCENTRIC CONIC
 C3 24.701 VML 4.970 OLA -14.48 RAL 176.78 RAD 6568.0 VEL 12.086 PTH 2.16 VMP 6.688 DPA 4.57 RAP 147.22 ECC 1.4065
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 29 11 1798.13 -7.77 16.62 40.10 117.31 10 59 9 1198.1 -4.05 9.92
 90.00 18 38 41 5376.94 27.87 245.90 47.04 84.76 20 8 18 4776.9 26.85 237.38
 100.00 11 42 46 1560.69 -8.99 358.51 39.45 118.63 12 8 47 960.7 -5.10 351.89
 100.00 20 7 46 5089.61 29.23 224.60 46.88 83.47 21 32 36 4489.6 28.02 216.01
 110.00 12 33 40 1401.26 -12.12 344.54 37.57 122.21 12 57 2 801.3 -7.79 338.14
 110.00 21 33 22 4821.81 32.84 203.65 46.26 79.91 22 53 43 4221.8 31.10 194.86

DIFFERENTIAL CORRECTIONS
 TDE-2.9144 TRA 4.4749 TC3-2.3568 BAU .7806 SGT 6720.5 SGR 582.4 SG3 427.0 ST 3721.3 SR 197.0 SS 1697.3
 RDE .0961 RRA .4559 RC3 -.1807 FAU .02649 RRT .7513 RRF .7190 RTF .9857 CRT -.1523 CRS .1696 CST -.9998
 FDE-2.3190 FRA 3.4043 FC3 -.9283 BSP 21727 SGB 6745.7 R23 -.0363 R13 .9856 LSA 4090.1 MSA 196.5 SSA 13.7
 BDE 2.9159 BRA 4.4981 BC3 2.3638 FSP -1486 SG1 6734.8 SG2 383.5 THA 3.74 EL1 3721.4 EL2 194.7 ALF 179.54

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 1 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC
 RL 150.72 LAL .00 LOL 219.95 VL 27.012 GAL 9.58 AZL 92.79 MCA 271.77 SMA 128.67 ECC .23715 INC 2.7941 V1 29.562
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.924 GAP 9.96 AZP 90.09 TAL 145.02 TAP 56.79 RCA 98.16 APO 159.19 V2 35.259
 RC 131.355 GL -14.51 GP -10.82 ZAL 38.53 ZAP 159.49 ETS 330.27 ZAE 121.45 ETE 187.38 ZAC 117.71 ETC 11.50 CLP-162.47

PLANETOCENTRIC CONIC
 C3 26.848 VML 5.182 OLA -14.82 RAL 177.63 RAD 6568.1 VEL 12.175 PTH 2.18 VMP 7.000 DPA 4.56 RAP 148.92 ECC 1.4419
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 35 36 1806.83 -8.04 17.11 42.24 117.24 11 5 43 1206.8 -4.33 10.40
 90.00 18 39 2 5409.43 28.05 248.26 49.62 85.93 20 9 11 4809.4 27.19 239.70
 100.00 11 48 57 1570.17 -9.29 359.05 41.57 118.54 12 15 7 970.2 -5.41 352.41
 100.00 20 8 22 5121.32 29.46 226.93 49.49 84.67 21 33 43 4521.3 28.41 218.29
 110.00 12 39 21 1412.34 -12.53 345.15 39.65 122.07 13 2 53 812.3 -8.20 338.73
 110.00 21 34 28 4851.92 33.17 205.94 48.95 81.23 22 55 20 4251.9 31.60 197.06

DIFFERENTIAL CORRECTIONS
 TDE-3.0724 TRA 4.7404 TC3-2.1728 BAU .7819 SGT 6783.2 SGR 546.3 SG3 397.6 ST 3767.4 SR 205.4 SS 1651.4
 RDE .1258 RRA .4401 RC3 -.1545 FAU .02309 RRT .7064 RRF .6725 RTF .9854 CRT -.2928 CRS .3083 CST -.9998
 FDE-2.2438 FRA 3.3211 FC3 -.7444 BSP 21996 SGB 6805.2 R23 -.0366 R13 .9853 LSA 4113.8 MSA 197.7 SSA 13.5
 BDE 3.0750 BRA 4.7608 BC3 2.1783 FSP -1386 SG1 6794.2 SG2 386.0 THA 3.27 EL1 3767.8 EL2 196.3 ALF 179.08

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 1 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC
 RL 150.72 LAL .00 LOL 219.95 VL 26.990 GAL 10.08 AZL 92.91 MCA 275.02 SMA 128.53 ECC .24398 INC 2.9088 V1 29.562
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.908 GAP 10.56 AZP 90.25 TAL 144.26 TAP 59.27 RCA 97.17 APO 159.88 V2 35.259
 RC 133.537 GL -14.44 GP -10.34 ZAL 37.68 ZAP 161.05 ETS 328.81 ZAE 120.91 ETE 187.01 ZAC 115.99 ETC 11.80 CLP-164.03

PLANETOCENTRIC CONIC
 C3 29.261 VML 5.409 OLA -15.11 RAL 178.48 RAD 6568.2 VEL 12.273 PTH 2.21 VMP 7.331 DPA 4.46 RAP 150.65 ECC 1.4816
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 41 39 1818.03 -8.39 17.75 44.44 117.14 11 11 57 1218.0 -4.69 11.03
 90.00 18 39 48 5441.15 28.18 250.57 52.26 87.08 20 10 30 4841.2 27.48 241.97
 100.00 11 54 47 1582.05 -9.68 359.72 43.75 118.42 12 21 9 982.1 -5.81 353.07
 100.00 20 9 21 5152.36 29.63 229.22 52.16 85.87 21 35 14 4552.4 28.74 220.53
 110.00 12 44 43 1425.62 -13.01 345.88 41.78 121.89 13 8 29 825.6 -8.70 339.43
 110.00 21 35 54 4881.56 33.46 208.20 51.70 82.54 22 57 16 4281.6 32.06 199.25

DIFFERENTIAL CORRECTIONS
 TDE-3.2353 TRA 5.0231 TC3-1.9907 BAU .7804 SGT 6837.5 SGR 514.3 SG3 370.6 ST 3805.3 SR 216.0 SS 1607.4
 RDE .1534 RRA .4247 RC3 -.1316 FAU .01990 RRT .6570 RRF .6220 RTF .9852 CRT -.4048 CRS .4184 CST -.9998
 FDE-2.1731 FRA 3.2479 FC3 -.5889 BSP 22238 SGB 6856.8 R23 -.0363 R13 .9851 LSA 4131.7 MSA 198.5 SSA 13.3
 BDE 3.2390 BRA 5.0411 BC3 1.9950 FSP -1294 SG1 6845.9 SG2 387.2 THA 2.84 EL1 3806.3 EL2 197.5 ALF 178.68

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 2 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 11 1967

HELIOCENTRIC CONIC

DISTANCE 128.868
 RL 150.76 LAL .00 LOL 220.92 VL 15.502 GAL 26.17 AZL 90.05 MCA 35.96 SMA 87.29 ECC .78759 INC .0469 VI 29.555
 RP 108.64 LAP -.03 LOP 256.88 VP 30.380 GAP -50.54 ATP 90.04 TAL 172.11 TAP 208.08 RCA 18.54 APO 156.05 V2 34.883
 RC 81.561 GL -.04 GP 2.28 ZAL 67.74 ZAP 33.49 ETS 186.28 ZAE 138.39 ETE 175.23 ZAC 150.30 ETC 37.32 CLP 33.43

PLANETOCENTRIC CONIC

C3 285.549 VML 16.898 DLA 10.31 RAL 155.09 RAD 6571.7 VEL 20.171 PTH 3.15 VMP 28.359 OPA 26.06 RAP 112.48 ECC 5.6994
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 45 49 3108.15 -27.16 104.24 63.14 81.68 6 37 37 2508.2 -28.04 95.68
 90.00 20 21 11 5101.28 24.62 226.41 53.09 75.55 21 46 13 4501.3 -22.40 218.45
 100.00 7 12 16 2829.32 -28.83 84.00 63.41 81.74 7 59 26 2229.3 -29.67 75.30
 100.00 21 37 25 4855.35 26.25 207.86 52.61 75.16 22 58 20 4255.4 23.96 199.81
 110.00 8 32 8 2579.43 -33.31 65.78 64.17 81.86 9 15 7 1979.4 -34.08 56.62
 110.00 22 34 3 4678.01 30.62 193.04 51.25 74.00 23 52 1 4078.0 28.12 184.73

DIFFERENTIAL CORRECTIONS

TDE .7635 TRA-1.9680 TC3 -.1071 BAU .4097
 RDE-1.2084 RRA -.6040 RC3 .0067 FAU .01212
 FDE -.3116 FRA .6828 FC3 -.0367 BSP 1910
 BDE 1.4294 BRA 2.0586 BC3 .1073 FSP -50

MID-COURSE EXECUTION ACCURACY

SGT 811.2 SGR 460.1 SG3 24.7
 RRT .0722 RRF -.0645 RTF -.6115
 SGB 932.6 R23 .0004 R13 -.6119
 SG1 812.2 SG2 458.3 TMA 3.44

ORBIT DETERMINATION ACCURACY

ST 329.5 SR 414.4 SS 311.5
 CRT -.6838 CRS -.7379 CST .9951
 LSA 568.1 MSA 233.1 SSA 14.0
 EL1 488.6 EL2 203.9 ALF 125.65

LAUNCH DATE MAY 2 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 13 1967

HELIOCENTRIC CONIC

DISTANCE 134.367
 RL 150.76 LAL .00 LOL 220.92 VL 16.291 GAL 25.00 AZL 90.34 MCA 39.14 SMA 88.76 ECC .76117 INC .3436 VI 29.555
 RP 108.67 LAP -.22 LOP 260.05 VP 30.779 GAP -48.28 ATP 90.27 TAL 171.27 TAP 210.41 RCA 21.20 APO 156.32 V2 34.872
 RC 79.241 GL -.32 GP 2.34 ZAL 66.44 ZAP 31.98 ETS 186.52 ZAE 138.55 ETE 174.65 ZAC 148.89 ETC 35.71 CLP 31.91

PLANETOCENTRIC CONIC

C3 260.224 VML 16.131 DLA 9.58 RAL 156.23 RAD 6571.5 VEL 19.533 PTH 3.11 VMP 27.302 OPA 25.93 RAP 114.32 ECC 5.2826
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 56 12 3072.48 -27.49 101.68 63.03 82.92 6 47 25 2472.5 -28.18 93.08
 90.00 20 19 50 5113.26 24.82 227.23 53.62 75.92 21 45 3 4513.3 22.64 219.24
 100.00 7 22 15 2794.95 -29.14 81.49 63.26 83.02 8 8 50 2195.0 -29.80 72.75
 100.00 21 36 28 4866.02 26.43 208.60 53.16 75.51 22 57 34 4266.0 24.18 200.52
 110.00 8 41 12 2547.89 -33.59 63.36 63.89 83.26 9 23 40 1947.9 -34.16 54.16
 110.00 22 34 0 4685.85 30.76 193.60 51.83 74.31 23 52 6 4085.8 28.31 185.26

DIFFERENTIAL CORRECTIONS

TDE .7680 TRA-1.9828 TC3 -.1146 BAU .3997
 RDE-1.1637 RRA -.5946 RC3 .0080 FAU .01219
 FDE -.3274 FRA .7077 FC3 -.0405 BSP 1971
 BDE 1.3943 BRA 2.0700 BC3 .1149 FSP -54

MID-COURSE EXECUTION ACCURACY

SGT 849.3 SGR 466.2 SG3 26.7
 RRT .0774 RRF -.0688 RTF -.6298
 SGB 968.8 R23 .0007 R13 -.6301
 SG1 850.3 SG2 464.3 TMA 3.47

ORBIT DETERMINATION ACCURACY

ST 347.0 SR 418.3 SS 328.4
 CRT -.6819 CRS -.7409 CST .9947
 LSA 587.9 MSA 239.6 SSA 14.3
 EL1 500.4 EL2 212.2 ALF 127.30

LAUNCH DATE MAY 2 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 15 1967

HELIOCENTRIC CONIC

DISTANCE 139.980
 RL 150.76 LAL .00 LOL 220.92 VL 17.032 GAL 23.90 AZL 90.60 MCA 42.31 SMA 90.25 ECC .73478 INC .6009 VI 29.555
 RP 108.70 LAP -.40 LOP 263.22 VP 31.166 GAP -46.14 ATP 90.44 TAL 170.44 TAP 212.75 RCA 23.94 APO 156.56 V2 34.862
 RC 76.944 GL -.61 GP 2.40 ZAL 65.19 ZAP 30.50 ETS 186.80 ZAE 138.78 ETE 174.02 ZAC 147.44 ETC 34.22 CLP 30.41

PLANETOCENTRIC CONIC

C3 237.266 VML 15.403 DLA 8.85 RAL 157.30 RAD 6571.4 VEL 18.936 PTH 3.07 VMP 26.283 OPA 25.79 RAP 116.19 ECC 4.9048
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 6 18 3036.26 -27.77 99.06 62.80 84.21 6 56 54 2436.3 -28.28 90.43
 90.00 20 18 18 5124.44 25.01 228.00 54.04 76.26 21 43 42 4524.4 22.87 219.98
 100.00 7 31 57 2760.01 -29.40 78.93 62.98 84.35 8 17 57 2160.0 -29.87 70.16
 100.00 21 35 20 4875.92 26.60 209.29 53.60 75.84 22 56 35 4275.9 24.39 201.19
 110.00 8 50 1 2515.72 -33.82 60.88 63.48 84.72 9 31 56 1915.7 -34.18 51.65
 110.00 22 33 45 4692.98 30.89 194.11 52.31 74.59 23 51 58 4093.0 28.47 185.75

DIFFERENTIAL CORRECTIONS

TDE .7655 TRA-2.0042 TC3 -.1235 BAU .3928
 RDE-1.1195 RRA -.5843 RC3 .0096 FAU .01224
 FDE -.3427 FRA .7337 FC3 -.0446 BSP 1881
 BDE 1.3562 BRA 2.0877 BC3 .1238 FSP -57

MID-COURSE EXECUTION ACCURACY

SGT 891.6 SGR 471.9 SG3 28.8
 RRT .0860 RRF -.0744 RTF -.6463
 SGB 1008.8 R23 .0025 R13 -.6466
 SG1 892.9 SG2 469.5 TMA 3.60

ORBIT DETERMINATION ACCURACY

ST 363.9 SR 421.6 SS 345.4
 CRT -.6755 CRS -.7425 CST .9938
 LSA 607.0 MSA 246.7 SSA 14.6
 EL1 511.1 EL2 221.4 ALF 128.83

LAUNCH DATE MAY 2 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 17 1967

HELIOCENTRIC CONIC

DISTANCE 145.693
 RL 150.76 LAL .00 LOL 220.92 VL 17.727 GAL 22.86 AZL 90.83 MCA 45.48 SMA 91.76 ECC .70854 INC .8280 VI 29.555
 RP 108.73 LAP -.59 LOP 268.39 VP 31.540 GAP -44.11 ATP 90.58 TAL 169.61 TAP 215.09 RCA 26.74 APO 156.77 V2 34.853
 RC 74.873 GL -.92 GP 2.47 ZAL 64.00 ZAP 29.04 ETS 187.11 ZAE 139.10 ETE 173.34 ZAC 145.94 ETC 32.85 CLP 28.94

PLANETOCENTRIC CONIC

C3 216.393 VML 14.710 DLA 8.12 RAL 158.31 RAD 6571.2 VEL 18.377 PTH 3.03 VMP 25.298 OPA 25.63 RAP 118.07 ECC 4.5613
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 16 5 2999.48 -27.99 96.39 62.43 85.52 7 6 4 2399.5 -28.32 87.74
 90.00 20 16 34 5134.78 25.17 228.71 54.37 76.58 21 42 8 4534.8 23.08 220.67
 100.00 7 41 20 2724.48 -29.61 76.31 62.57 85.71 8 26 45 2124.5 -29.89 67.52
 100.00 21 33 59 4885.01 26.75 209.92 53.94 76.14 22 55 24 4285.0 24.58 201.80
 110.00 8 58 32 2482.91 -34.00 58.33 62.93 86.21 9 39 55 1882.9 -34.15 49.09
 110.00 22 33 17 4699.35 31.01 194.58 52.68 74.84 23 51 36 4099.3 28.62 186.19

DIFFERENTIAL CORRECTIONS

TDE .8198 TRA-1.9882 TC3 -.1221 BAU .3548
 RDE-1.0742 RRA -.5718 RC3 .0116 FAU .01263
 FDE -.3656 FRA .7530 FC3 -.0505 BSP 3169
 BDE 1.3513 BRA 2.0496 BC3 .1226 FSP -75

MID-COURSE EXECUTION ACCURACY

SGT 911.4 SGR 476.3 SG3 31.2
 RRT .0654 RRF -.0705 RTF -.6736
 SGB 1028.3 R23 -.0101 R13 -.6741
 SG1 912.1 SG2 474.9 TMA 2.68

ORBIT DETERMINATION ACCURACY

ST 395.0 SR 423.8 SS 367.1
 CRT -.7044 CRS -.7529 CST .9960
 LSA 640.3 MSA 245.3 SSA 14.5
 EL1 535.1 EL2 222.1 ALF 132.15

LAUNCH DATE MAY 2 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 19 1967

HELIOCENTRIC CONIC

DISTANCE 151.513

RL 150.76 LAL .00 LOL 220.92 VL 18.379 GAL 21.88 AZL 91.03 MCA 48.65 SMA 93.28 ECC .68263 INC 1.0316 V1 29.555
 RP 108.76 LAP -.77 LOP 269.56 VP 31.902 GAP -42.18 AZP 90.68 TAL 168.79 TAP 217.44 RCA 29.60 APO 156.95 V2 34.844
 RC 72.433 GL -1.25 GP 2.55 ZAL 62.85 ZAP 27.60 ETS 187.46 ZAE 139.50 ETE 172.60 ZAC 144.41 ETC 31.58 CLP 27.49

PLANETOCENTRIC CONIC

C3 197.458 VHL 14.052 OLA 7.38 RAL 159.26 RAD 6571.1 VEL 17.854 PTH 3.00 VMP 24.348 OPA 25.44 RAP 119.96 ECC 4.2497
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 25 37 2962.04 -28.16 93.67 61.94 86.88 7 14 59 2362.0 -28.29 85.00
 90.00 20 14 38 5144.43 25.32 229.58 54.59 76.88 21 40 22 4544.4 23.27 221.31
 100.00 7 50 30 2688.27 -29.77 73.63 62.03 87.12 8 35 18 2088.3 -29.85 64.82
 100.00 21 32 26 4893.44 26.89 210.51 54.18 76.42 22 53 59 4293.4 24.75 202.36
 110.00 9 6 50 2449.38 -34.12 55.72 62.26 87.76 9 47 39 1849.4 -34.05 46.48
 110.00 22 32 35 4705.09 31.11 194.99 52.95 75.06 23 51 0 4105.1 28.75 186.59

DIFFERENTIAL CORRECTIONS

TOE .8058 TRA-2.0003 TC3 -.1329 BAU .3527
 ROE -1.0309 RRA -.5800 RC3 .0135 FAU .01265
 FOE -.3804 FRA .7810 FC3 -.0555 BSP 2828
 BOE 1.3084 BRA 2.0772 BC3 .1336 FSP -76

MID-COURSE EXECUTION ACCURACY

SGT 961.2 SGR 480.8 SG3 33.6
 RRT .0801 RRF -.0783 RTF -.6866
 SGB 1074.7 R23 -.0052 R13 -.6870
 SGI 962.2 SGT 478.7 TMA 3.05

ORBIT DETERMINATION ACCURACY

ST 411.0 SR 426.0 SS 384.2
 CRT -.6915 CRS -.7524 CST .9947
 LSA 658.6 MSA 253.0 SSA 14.8
 EL1 544.5 EL2 232.3 ALF 135.52

LAUNCH DATE MAY 2 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 21 1967

HELIOCENTRIC CONIC

DISTANCE 157.425

RL 150.76 LAL .00 LOL 220.92 VL 18.991 GAL 20.95 AZL 91.22 MCA 51.82 SMA 94.80 ECC .65711 INC 1.2162 V1 29.555
 RP 108.79 LAP -.98 LOP 272.73 VP 32.249 GAP -40.35 AZP 90.75 TAL 167.98 TAP 219.80 RCA 32.51 APO 157.09 V2 34.835
 RC 70.227 GL -1.61 GP 2.63 ZAL 61.75 ZAP 26.18 ETS 187.87 ZAE 139.99 ETE 171.79 ZAC 142.84 ETC 30.41 CLP 26.06

PLANETOCENTRIC CONIC

C3 180.228 VHL 13.425 OLA 6.64 RAL 160.15 RAD 6570.9 VEL 17.365 PTH 2.96 VMP 23.429 OPA 25.24 RAP 121.87 ECC 3.9661
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 34 53 2923.94 -28.27 90.89 61.32 88.27 7 23 37 2323.9 -28.21 82.22
 90.00 20 12 29 5153.34 25.46 230.00 54.71 77.16 21 38 23 4553.3 23.44 221.91
 100.00 7 59 23 2651.37 -29.86 70.89 61.37 88.55 8 43 35 2051.4 -29.74 62.09
 100.00 21 30 40 4901.14 27.01 211.05 54.30 76.68 22 52 21 4301.1 24.91 202.88
 110.00 9 14 53 2415.14 -34.18 53.05 61.46 89.34 9 55 8 1815.1 -33.89 43.81
 110.00 22 31 40 4710.13 31.20 195.36 53.11 75.26 23 50 11 4110.1 28.86 186.94

DIFFERENTIAL CORRECTIONS

TOE .8052 TRA-2.0178 TC3 -.1413 BAU .3426
 ROE -.9876 RRA -.5471 RC3 .0159 FAU .01277
 FOE -.3975 FRA .8078 FC3 -.0613 BSP 2830
 BOE 1.2743 BRA 2.0907 BC3 .1422 FSP -82

MID-COURSE EXECUTION ACCURACY

SGT 1006.8 SGR 484.5 SG3 36.3
 RRT .0877 RRF -.0840 RTF -.7018
 SGB 1117.4 R23 -.0041 R13 -.7022
 SGI 1008.0 SGT 482.1 TMA 3.13

ORBIT DETERMINATION ACCURACY

ST 431.1 SR 427.4 SS 403.0
 CRT -.6867 CRS -.7539 CST .9940
 LSA 681.1 MSA 258.4 SSA 15.0
 EL1 557.5 EL2 240.3 ALF 135.37

LAUNCH DATE MAY 2 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 23 1967

HELIOCENTRIC CONIC

DISTANCE 163.424

RL 150.76 LAL .00 LOL 220.92 VL 19.565 GAL 20.06 AZL 91.39 MCA 54.98 SMA 96.32 ECC .63207 INC 1.3853 V1 29.555
 RP 108.81 LAP -1.13 LOP 275.89 VP 32.582 GAP -38.60 AZP 90.80 TAL 167.19 TAP 222.18 RCA 35.44 APO 157.21 V2 34.827
 RC 68.060 GL -1.98 GP 2.72 ZAL 60.71 ZAP 24.78 ETS 188.34 ZAE 140.57 ETE 170.90 ZAC 141.25 ETC 29.33 CLP 24.64

PLANETOCENTRIC CONIC

C3 164.542 VHL 12.827 OLA 5.90 RAL 160.99 RAD 6570.8 VEL 16.908 PTH 2.91 VMP 22.540 OPA 25.03 RAP 123.80 ECC 3.7079
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 43 54 2885.11 -28.32 88.05 60.58 89.69 7 31 59 2285.1 -28.06 79.39
 90.00 20 10 8 5161.55 25.58 230.57 54.72 77.42 21 36 9 4561.6 23.59 222.46
 100.00 8 8 2 2613.74 -29.89 68.09 60.58 90.03 8 51 36 2013.7 -29.57 59.30
 100.00 21 28 40 4908.16 27.12 211.55 54.33 76.92 22 50 29 4308.2 25.05 203.36
 110.00 9 22 41 2380.13 -34.17 50.31 60.54 90.96 10 2 21 1780.1 -33.66 41.11
 110.00 22 30 31 4714.53 31.27 195.68 53.16 75.44 23 49 6 4114.5 28.96 187.24

DIFFERENTIAL CORRECTIONS

TOE .8100 TRA-2.0291 TC3 -.1485 BAU .3293
 ROE -.9446 RRA -.5334 RC3 .0185 FAU .01294
 FOE -.4158 FRA .8343 FC3 -.0681 BSP 2971
 BOE 1.2443 BRA 2.0981 BC3 .1497 FSP -89

MID-COURSE EXECUTION ACCURACY

SGT 1051.8 SGR 487.5 SG3 39.2
 RRT .0926 RRF -.0890 RTF -.7176
 SGB 1159.3 R23 -.0046 R13 -.7179
 SGI 1053.1 SGT 484.8 TMA 3.12

ORBIT DETERMINATION ACCURACY

ST 453.6 SR 428.0 SS 422.9
 CRT -.6852 CRS -.7561 CST .9935
 LSA 706.1 MSA 262.5 SSA 15.2
 EL1 572.7 EL2 246.9 ALF 137.42

LAUNCH DATE MAY 2 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 25 1967

HELIOCENTRIC CONIC

DISTANCE 169.505

RL 150.76 LAL .00 LOL 220.92 VL 20.104 GAL 19.22 AZL 91.54 MCA 58.15 SMA 97.84 ECC .60760 INC 1.5416 V1 29.555
 RP 108.83 LAP -1.31 LOP 279.06 VP 32.901 GAP -36.94 AZP 90.81 TAL 166.42 TAP 224.57 RCA 38.39 APO 157.29 V2 34.820
 RC 65.938 GL -2.39 GP 2.81 ZAL 59.73 ZAP 23.40 ETS 188.89 ZAE 141.25 ETE 169.92 ZAC 139.63 ETC 28.32 CLP 23.24

PLANETOCENTRIC CONIC

C3 150.257 VHL 12.258 OLA 5.15 RAL 161.76 RAD 6570.6 VEL 16.480 PTH 2.87 VMP 21.680 OPA 24.79 RAP 125.73 ECC 3.4729
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 52 41 2845.53 -28.30 85.15 59.72 91.15 7 40 6 2245.5 -27.84 76.52
 90.00 20 7 31 5169.14 25.69 231.10 54.62 77.67 21 33 41 4569.1 23.74 222.97
 100.00 8 16 27 2575.33 -29.86 65.24 59.68 91.53 8 59 22 1975.3 -29.33 56.47
 100.00 21 26 26 4914.56 27.22 212.00 54.24 77.13 22 48 21 4314.6 25.17 203.79
 110.00 9 30 15 2344.34 -34.10 47.52 59.50 92.61 10 9 20 1744.3 -33.36 38.36
 110.00 22 29 7 4718.32 31.34 195.96 53.10 75.59 23 47 46 4118.3 29.04 187.50

DIFFERENTIAL CORRECTIONS

TOE .8139 TRA-2.0400 TC3 -.1557 BAU .3158
 ROE -.9021 RRA -.5192 RC3 .0215 FAU .01313
 FOE -.4346 FRA .8614 FC3 -.0756 BSP 3106
 BOE 1.2150 BRA 2.1051 BC3 .1572 FSP -97

MID-COURSE EXECUTION ACCURACY

SGT 1098.7 SGR 489.8 SG3 42.2
 RRT .0980 RRF -.0944 RTF -.7326
 SGB 1202.9 R23 -.0051 R13 -.7329
 SGI 1100.0 SGT 486.9 TMA 3.11

ORBIT DETERMINATION ACCURACY

ST 476.8 SR 427.9 SS 443.3
 CRT -.6833 CRS -.7582 CST .9930
 LSA 732.1 MSA 266.2 SSA 15.4
 EL1 588.6 EL2 253.1 ALF 139.51

LAUNCH DATE MAY 2 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 27 1967

MELIOCENTRIC CONIC
 RL 150.76 LAL .00 LOL 220.92 VL 20.611 GAL 18.40 AZL 91.69 MCA 61.31 SMA 99.35 ECC .58373 INC 1.6875 V1 29.555
 RP 108.85 LAP -1.48 LOP 282.22 VP 33.206 GAP -35.34 A7P 90.81 TAL 165.66 TAP 226.98 RCA 41.36 APO 157.35 V2 34.813
 RC 63.861 GL -2.82 GP 2.92 ZAL 58.79 ZAP 22.03 ETS 189.53 ZAE 142.02 ETE 168.84 ZAC 137.98 ETC 27.39 CLP 21.85

PLANETOCENTRIC CONIC
 C3 137.243 VML 11.715 DLA 4.39 RAL 162.48 RAD 6570.5 VEL 16.080 PTH 2.83 VMP 20.847 OPA 24.54 RAP 127.67 ECC 3.2587
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 1 14 2805.15 -28.21 82.20 58.74 92.62 7 47 59 2205.2 -27.54 73.60
 90.00 20 4 40 5176.15 25.79 231.58 54.43 77.89 21 30 56 4576.1 23.87 223.44
 100.00 8 24 38 2536.13 -29.75 62.33 58.65 93.06 9 6 54 1936.1 -29.01 53.60
 100.00 21 23 57 4920.40 27.30 212.41 54.06 77.33 22 45 57 4320.4 25.29 204.19
 110.00 9 37 36 2307.75 -33.95 44.67 58.34 94.29 10 16 4 1707.7 -32.98 35.57
 110.00 22 27 28 4721.55 31.39 196.19 52.93 75.72 23 46 9 4121.5 29.11 187.73

DIFFERENTIAL CORRECTIONS
 TOE .8200 TRA-2.0475 TC3 -.1620 BAU .3007
 RDE -.8599 RRA -.5044 RC3 .0249 FAU .01335
 FDE -.4546 FRA .8888 FC3 -.0842 BSP 3308
 BDE 1.1882 BRA 2.1087 BC3 .1639 FSP -107

MID-COURSE EXECUTION ACCURACY
 SGT 1146.1 SGR 491.4 SG3 45.6
 RRT .1025 RRF -.0998 RTF -.7476
 SGB 1247.0 R23 -.0062 R13 -.7479
 SGI 1147.5 SG2 488.3 THA 3.07

ORBIT DETERMINATION ACCURACY
 ST 501.8 SR 427.1 SS 464.7
 CRT -.6829 CRS -.7604 CST .9926
 LSA 760.0 MSA 268.9 SSA 15.6
 EL1 606.2 EL2 258.3 ALF 141.67

LAUNCH DATE MAY 2 1967

FLIGHT TIME 88.00

ARRIVAL DATE JUL 29 1967

MELIOCENTRIC CONIC
 RL 150.76 LAL .00 LOL 220.92 VL 21.086 GAL 17.63 AZL 91.82 MCA 64.48 SMA 100.85 ECC .56054 INC 1.8249 V1 29.555
 RP 108.87 LAP -1.65 LOP 285.38 VP 33.497 GAP -33.82 A7P 90.79 TAL 164.93 TAP 229.40 RCA 44.32 APO 157.38 V2 34.807
 RC 61.839 GL -3.28 GP 3.03 ZAL 57.92 ZAP 20.69 ETS 190.27 ZAE 142.88 ETE 167.64 ZAC 136.31 ETC 26.52 CLP 20.47

PLANETOCENTRIC CONIC
 C3 123.385 VML 11.198 DLA 3.63 RAL 163.13 RAD 6570.3 VEL 15.707 PTH 2.79 VMP 20.040 OPA 24.27 RAP 129.61 ECC 3.0635
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 9 34 2763.94 -28.04 79.20 57.66 94.12 7 55 38 2163.9 -27.17 70.64
 90.00 20 1 32 5182.66 25.89 232.04 54.12 78.10 21 27 55 4582.7 23.99 223.88
 100.00 8 32 37 2496.10 -29.57 59.37 57.52 94.60 9 14 13 1896.1 -28.62 50.69
 100.00 21 21 11 4925.74 27.38 212.78 53.76 77.52 22 43 17 4325.7 25.39 204.55
 110.00 9 44 45 2270.32 -33.72 41.77 57.07 95.99 10 22 35 1670.3 -32.52 32.74
 110.00 22 25 32 4724.29 31.44 196.39 52.66 75.83 23 44 16 4124.3 29.17 187.92

DIFFERENTIAL CORRECTIONS
 TOE .8231 TRA-2.0565 TC3 -.1686 BAU .2867
 RDE -.8184 RRA -.4894 RC3 .0287 FAU .01359
 FDE -.4750 FRA .9172 FC3 -.0939 BSP 3450
 BDE 1.1607 BRA 2.1139 BC3 .1711 FSP -116

MID-COURSE EXECUTION ACCURACY
 SGT 1196.5 SGR 492.4 SG3 49.2
 RRT .1086 RRF -.1060 RTF -.7613
 SGB 1293.9 R23 -.0068 R13 -.7616
 SGI 1198.0 SG2 488.9 THA 3.07

ORBIT DETERMINATION ACCURACY
 ST 526.8 SR 425.5 SS 486.7
 CRT -.6807 CRS -.7621 CST .9921
 LSA 788.3 MSA 271.5 SSA 15.7
 EL1 623.9 EL2 263.2 ALF 143.78

LAUNCH DATE MAY 2 1967

FLIGHT TIME 90.00

ARRIVAL DATE JUL 31 1967

MELIOCENTRIC CONIC
 RL 150.76 LAL .00 LOL 220.92 VL 21.532 GAL 16.88 AZL 91.96 MCA 67.64 SMA 102.33 ECC .53804 INC 1.9551 V1 29.555
 RP 108.89 LAP -1.81 LOP 288.54 VP 33.774 GAP -32.36 A7P 90.74 TAL 164.22 TAP 231.86 RCA 47.27 APO 157.38 V2 34.802
 RC 59.876 GL -3.77 GP 3.16 ZAL 57.09 ZAP 19.36 ETS 191.16 ZAE 143.85 ETE 166.30 ZAC 134.61 ETC 25.72 CLP 19.11

PLANETOCENTRIC CONIC
 C3 114.579 VML 10.704 DLA 2.86 RAL 163.72 RAD 6570.2 VEL 15.360 PTH 2.75 VMP 19.259 OPA 23.99 RAP 131.56 ECC 2.8857
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 17 43 2721.88 -27.80 76.14 56.47 95.63 8 3 4 2121.9 -26.73 67.64
 90.00 19 58 7 5188.77 25.97 232.47 53.72 78.30 21 24 36 4588.8 24.10 224.30
 100.00 8 40 23 2455.21 -29.31 56.36 56.29 96.17 9 21 18 1855.2 -28.14 47.74
 100.00 21 18 8 4930.67 27.46 213.13 53.37 77.69 22 40 19 4330.7 25.48 204.89
 110.00 9 51 41 2232.05 -33.41 38.83 55.71 97.70 10 28 53 1632.0 -31.98 29.89
 110.00 22 23 19 4726.60 31.48 196.56 52.29 75.93 23 42 6 4126.6 29.22 188.08

DIFFERENTIAL CORRECTIONS
 TOE .8281 TRA-2.0620 TC3 -.1742 BAU .2715
 RDE -.7773 RRA -.4741 RC3 .0329 FAU .01387
 FDE -.4966 FRA .9460 FC3 -.1048 BSP 3650
 BDE 1.1358 BRA 2.1158 BC3 .1772 FSP -127

MID-COURSE EXECUTION ACCURACY
 SGT 1247.7 SGR 492.6 SG3 53.1
 RRT .1140 RRF -.1123 RTF -.7749
 SGB 1341.4 R23 -.0081 R13 -.7752
 SGI 1249.2 SG2 488.8 THA 3.04

ORBIT DETERMINATION ACCURACY
 ST 553.6 SR 423.0 SS 509.7
 CRT -.6797 CRS -.7640 CST .9916
 LSA 818.8 MSA 273.1 SSA 15.9
 EL1 643.6 EL2 266.9 ALF 145.92

LAUNCH DATE MAY 2 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 2 1967

MELIOCENTRIC CONIC
 RL 150.76 LAL .00 LOL 220.92 VL 21.950 GAL 16.17 AZL 92.08 MCA 70.80 SMA 103.78 ECC .51628 INC 2.0795 V1 29.555
 RP 108.90 LAP -1.96 LOP 291.71 VP 34.037 GAP -30.97 A7P 90.68 TAL 163.53 TAP 234.33 RCA 50.20 APO 157.36 V2 34.797
 RC 57.979 GL -4.29 GP 3.29 ZAL 56.33 ZAP 18.04 ETS 192.21 ZAE 144.92 ETE 164.79 ZAC 132.90 ETC 24.97 CLP 17.75

PLANETOCENTRIC CONIC
 C3 104.734 VML 10.234 DLA 2.07 RAL 164.25 RAD 6570.0 VEL 15.036 PTH 2.71 VMP 18.502 OPA 23.70 RAP 133.51 ECC 2.7237
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 25 40 2678.93 -27.47 73.04 55.18 97.15 8 10 19 2078.9 -26.20 64.61
 90.00 19 54 24 5194.57 26.05 232.87 53.22 78.49 21 20 59 4594.6 24.20 224.69
 100.00 8 47 58 2413.45 -28.96 53.30 54.96 97.74 9 28 11 1813.4 -27.59 44.76
 100.00 21 14 47 4935.29 27.52 213.46 52.87 77.85 22 37 2 4335.3 25.57 205.20
 110.00 9 58 25 2192.92 -33.01 35.84 54.25 99.43 10 34 58 1592.9 -31.36 27.01
 110.00 22 20 49 4728.58 31.51 196.71 51.81 76.01 23 39 37 4128.6 29.27 188.22

DIFFERENTIAL CORRECTIONS
 TOE .8331 TRA-2.0658 TC3 -.1788 BAU .2559
 RDE -.7369 RRA -.4585 RC3 .0377 FAU .01419
 FDE -.5195 FRA .9756 FC3 -.1173 BSP 3862
 BDE 1.1122 BRA 2.1161 BC3 .1828 FSP -139

MID-COURSE EXECUTION ACCURACY
 SGT 1300.4 SGR 492.1 SG3 57.4
 RRT .1197 RRF -.1192 RTF -.7879
 SGB 1390.4 R23 -.0095 R13 -.7883
 SGI 1301.9 SG2 488.0 THA 3.02

ORBIT DETERMINATION ACCURACY
 ST 581.6 SR 419.7 SS 533.8
 CRT -.6789 CRS -.7658 CST .9912
 LSA 850.9 MSA 274.0 SSA 16.0
 EL1 664.6 EL2 269.7 ALF 148.03

LAUNCH DATE MAY 2 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 4 1967

HELIOCENTRIC CONIC

DISTANCE 200.944

RL 150.76 LAL .00 LOL 220.92 VL 22.343 GAL 15.48 AZL 92.20 MCA 73.96 SMA 105.21 ECC .49526 INC 2.1992 V1 29.555
 RP 108.92 LAP -2.11 LOP 294.87 VP 34.288 GAP -29.62 AZP 90.61 TAL 162.87 TAP 236.83 RCA 53.10 APO 157.32 V2 34.793
 RC 56.154 GL -4.84 GP 3.44 ZAL 55.62 ZAP 16.74 ETS 193.48 ZAE 146.08 ETE 163.09 ZAC 131.18 ETC 24.27 CLP 16.40

PLANETOCENTRIC CONIC

C3 95.766 VML 9.786 DLA 1.27 RAL 164.72 RAD 6569.9 VEL 14.735 PTH 2.67 VMP 17.769 DPA 23.40 RAP 135.46 ECC 2.5761
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 35 27 2635.08 -27.06 69.90 53.81 98.68 8 17 22 2035.1 -25.58 61.54
 90.00 19 50 21 5200.19 26.13 233.27 52.62 78.67 21 17 1 4600.2 24.30 225.07
 100.00 8 55 23 2370.79 -28.53 50.20 53.54 99.32 9 34 53 1770.8 -26.95 41.76
 100.00 21 11 6 4939.70 27.58 213.77 52.28 78.00 22 33 26 4339.7 25.65 205.51
 110.00 10 4 59 2152.93 -32.52 32.83 52.71 101.15 10 40 52 1552.9 -30.65 24.11
 110.00 22 17 59 4730.33 31.54 196.83 51.24 76.08 23 36 49 4130.3 29.30 188.34

DIFFERENTIAL CORRECTIONS

TDE .8352 TRA-2.0707 TC3 -.1838 BAU .2417
 RDE -.6971 RRA -.4430 RC3 .0430 FAU .01451
 FDE -.5431 FRA 1.0065 FC3 -.1312 BSP 4014
 BDE 1.0879 BRA 2.1175 BC3 .1888 FSP -152

MID-COURSE EXECUTION ACCURACY

SGT 1356.1 SGR 490.9 SG3 62.0
 RRT .1273 RRF -.1271 RTF -.7997
 SGB 1442.2 R23 -.0104 R13 -.8001
 SG1 1357.8 SG2 486.3 TMA 3.03

ORBIT DETERMINATION ACCURACY

ST 609.6 SR 415.5 SS 558.7
 CRT -.6763 CRS -.7671 CST .9905
 LSA 883.5 MSA 274.8 SSA 16.2
 EL1 685.7 EL2 272.1 ALF 150.07

LAUNCH DATE MAY 2 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 6 1967

HELIOCENTRIC CONIC

DISTANCE 207.402

RL 150.76 LAL .00 LOL 220.92 VL 22.712 GAL 14.82 AZL 92.32 MCA 77.12 SMA 106.62 ECC .47502 INC 2.3151 V1 29.555
 RP 108.93 LAP -2.26 LOP 298.03 VP 34.526 GAP -28.34 AZP 90.52 TAL 162.24 TAP 239.36 RCA 55.97 APO 157.26 V2 34.790
 RC 54.407 GL -5.44 GP 3.60 ZAL 54.98 ZAP 15.46 ETS 195.02 ZAE 147.35 ETE 161.15 ZAC 129.44 ETC 23.62 CLP 15.05

PLANETOCENTRIC CONIC

C3 87.600 VML 9.359 DLA .46 RAL 165.12 RAD 6569.7 VEL 14.455 PTH 2.63 VMP 17.058 DPA 23.09 RAP 137.41 ECC 2.4417
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 41 4 2590.30 -26.56 66.72 52.35 100.20 8 24 14 1990.3 -24.88 58.45
 90.00 19 45 56 5205.74 26.20 233.66 51.93 78.85 21 12 42 4605.7 24.40 225.45
 100.00 9 2 37 2327.23 -28.01 47.07 52.04 100.89 9 41 25 1727.2 -26.22 38.72
 100.00 21 7 4 4944.04 27.65 214.08 51.60 78.15 22 29 28 4344.0 25.73 205.80
 110.00 10 11 22 2112.08 -31.94 29.78 51.09 102.87 10 46 34 1512.1 -29.84 21.20
 110.00 22 14 49 4731.96 -31.57 196.95 50.57 76.14 23 33 41 4132.0 29.34 188.46

DIFFERENTIAL CORRECTIONS

TDE .8396 TRA-2.0715 TC3 -.1868 BAU .2261
 RDE -.6579 RRA -.4275 RC3 .0490 FAU .01489
 FDE -.5686 FRA 1.0379 FC3 -.1472 BSP 4231
 BDE 1.0667 BRA 2.1152 BC3 .1931 FSP -166

MID-COURSE EXECUTION ACCURACY

SGT 1412.3 SGR 488.9 SG3 67.0
 RRT .1344 RRF -.1355 RTF -.8115
 SGB 1494.6 R23 -.0120 R13 -.8118
 SG1 1414.1 SG2 483.9 TMA 3.02

ORBIT DETERMINATION ACCURACY

ST 639.6 SR 410.3 SS 585.0
 CRT -.6751 CRS -.7686 CST .9901
 LSA 918.7 MSA 274.5 SSA 16.3
 EL1 709.1 EL2 273.0 ALF 152.09

LAUNCH DATE MAY 2 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 8 1967

HELIOCENTRIC CONIC

DISTANCE 213.906

RL 150.76 LAL .00 LOL 220.92 VL 23.057 GAL 14.19 AZL 92.43 MCA 80.28 SMA 107.99 ECC .45555 INC 2.4281 V1 29.555
 RP 108.93 LAP -2.39 LOP 301.19 VP 34.751 GAP -27.10 AZP 90.41 TAL 161.64 TAP 241.92 RCA 58.79 APO 157.18 V2 34.787
 RC 52.748 GL -6.07 GP 3.78 ZAL 54.39 ZAP 14.20 ETS 196.90 ZAE 148.70 ETE 158.93 ZAC 127.69 ETC 23.02 CLP 13.70

PLANETOCENTRIC CONIC

C3 80.168 VML 8.954 DLA -.37 RAL 165.46 RAD 6569.6 VEL 14.196 PTH 2.59 VMP 16.370 DPA 22.77 RAP 139.36 ECC 2.3194
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 48 33 2544.59 -25.97 63.50 50.82 101.71 8 30 58 1944.6 -24.09 55.33
 90.00 19 41 9 5211.38 26.27 234.05 51.15 79.04 21 8 0 4611.4 24.49 225.83
 100.00 9 9 44 2282.76 -27.40 43.90 50.48 102.45 9 47 46 1682.8 -25.41 35.67
 100.00 21 2 39 4948.45 27.71 214.39 50.82 78.31 22 25 8 4348.4 25.81 206.10
 110.00 10 17 35 2070.36 -31.27 26.72 49.41 104.57 10 52 5 1470.4 -28.95 18.28
 110.00 22 11 18 4733.61 31.59 197.08 49.81 76.21 23 30 11 4133.6 29.37 188.57

DIFFERENTIAL CORRECTIONS

TDE .8440 TRA-2.0707 TC3 -.1885 BAU .2106
 RDE -.6193 RRA -.4121 RC3 .0555 FAU .01532
 FDE -.5957 FRA 1.0706 FC3 -.1654 BSP 4450
 BDE 1.0468 BRA 2.1113 BC3 .1965 FSP -182

MID-COURSE EXECUTION ACCURACY

SGT 1470.2 SGR 486.3 SG3 72.4
 RRT .1424 RRF -.1449 RTF -.8227
 SGB 1548.5 R23 -.0139 R13 -.8231
 SG1 1472.0 SG2 480.7 TMA 3.02

ORBIT DETERMINATION ACCURACY

ST 670.7 SR 404.1 SS 612.6
 CRT -.6738 CRS -.7699 CST .9896
 LSA 955.7 MSA 273.5 SSA 16.4
 EL1 733.9 EL2 272.9 ALF 154.06

LAUNCH DATE MAY 2 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 10 1967

HELIOCENTRIC CONIC

DISTANCE 220.450

RL 150.76 LAL .00 LOL 220.92 VL 23.381 GAL 13.58 AZL 92.54 MCA 83.44 SMA 109.33 ECC .43687 INC 2.5389 V1 29.555
 RP 108.94 LAP -2.52 LOP 304.35 VP 34.965 GAP -25.90 AZP 90.29 TAL 161.07 TAP 244.51 RCA 61.56 APO 157.09 V2 34.786
 RC 51.183 GL -6.75 GP 3.97 ZAL 53.87 ZAP 12.97 ETS 199.24 ZAE 150.14 ETE 156.36 ZAC 125.93 ETC 22.45 CLP 12.36

PLANETOCENTRIC CONIC

C3 73.408 VML 8.568 DLA -1.22 RAL 165.73 RAD 6569.4 VEL 13.956 PTH 2.55 VMP 15.703 DPA 22.45 RAP 141.30 ECC 2.2081
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 55 55 2497.93 -25.28 60.26 49.22 103.19 8 37 33 1897.9 -23.22 52.20
 90.00 19 35 57 5217.28 26.35 234.47 50.28 79.23 21 2 54 4617.3 24.60 226.24
 100.00 9 16 42 2237.36 -26.69 40.72 48.85 103.98 9 53 59 1637.4 -24.51 32.60
 100.00 20 57 51 4953.08 27.77 214.72 49.97 78.47 22 20 24 4353.1 25.90 206.42
 110.00 10 23 39 2027.80 -30.50 23.64 47.67 106.24 10 57 27 1427.8 -27.98 15.35
 110.00 22 7 24 4735.41 31.62 197.21 48.97 76.28 23 26 19 4135.4 29.41 188.70

DIFFERENTIAL CORRECTIONS

TDE .8483 TRA-2.0678 TC3 -.1887 BAU .1952
 RDE -.5814 RRA -.3970 RC3 .0628 FAU .01578
 FDE -.6246 FRA 1.1045 FC3 -.1861 BSP 4672
 BDE 1.0284 BRA 2.1056 BC3 .1989 FSP -199

MID-COURSE EXECUTION ACCURACY

SGT 1529.5 SGR 483.0 SG3 78.3
 RRT .1515 RRF -.1555 RTF -.8334
 SGB 1604.0 R23 -.0159 R13 -.8338
 SG1 1531.5 SG2 476.8 TMA 3.03

ORBIT DETERMINATION ACCURACY

ST 702.9 SR 396.9 SS 641.7
 CRT -.6722 CRS -.7709 CST .9891
 LSA 994.6 MSA 271.8 SSA 16.5
 EL1 760.1 EL2 271.7 ALF 155.95

LAUNCH DATE MAY 2 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 227.030

RL 150.76 LAL .00 LOL 220.92 VL 23.684 GAL 13.00 AZL 92.65 MCA 86.60 SMA 110.63 ECC .41897 INC 2.6484 V1 29.555
 RP 108.94 LAP -2.64 LOP 307.52 VP 35.168 GAP -24.76 AZP 90.16 TAL 160.53 TAP 247.14 RCA 64.28 APO 156.98 V2 34.784
 RC 49.723 GL -7.47 GP 4.19 ZAL 53.41 ZAP 11.77 ETS 202.17 ZAE 151.64 ETE 153.38 ZAC 124.16 ETC 21.93 CLP 11.01

PLANETOCENTRIC CONIC

C3 67.265 VML 8.202 DLA -2.09 RAL 165.93 RAD 6569.3 VEL 13.734 PTH 2.51 VMP 15.057 OPA 22.13 RAP 143.24 ECC 2.1070
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 3 11 2450.31 -24.50 56.99 47.58 104.66 8 44 2 1850.3 -22.25 49.04
 90.00 19 30 18 5223.61 26.43 234.91 49.34 79.44 20 57 22 4623.6 24.70 226.67
 100.00 9 23 34 2191.05 -25.89 37.51 47.16 105.49 10 0 5 1591.1 -23.51 29.52
 100.00 20 52 37 4958.10 27.84 215.08 49.03 78.65 22 15 15 4358.1 25.99 206.77
 110.00 10 29 35 1984.39 -29.63 20.55 45.90 107.87 11 2 39 1384.4 -26.91 12.43
 110.00 22 3 5 4737.53 31.66 197.36 48.06 76.37 23 22 3 4137.5 29.46 188.85

DIFFERENTIAL CORRECTIONS

TOE .8529 TRA-2.0631 TC3 -.1873 BAU .1801
 ROE -.5441 RRA -.3822 RC3 .0709 FAU .01629
 FDE -.6558 FRA 1.1397 FC3 -.2097 BSP 4898
 BDE 1.0116 BRA 2.0982 BC3 .2003 FSP -217

MID-COURSE EXECUTION ACCURACY

SGT 1590.4 SGR 478.9 SG3 84.8
 RRT .1617 RRF -.1675 RTF -.8435
 SGB 1661.0 R23 -.0182 R13 -.8439
 SG1 1592.5 SG2 472.0 TMA 3.06

ORBIT DETERMINATION ACCURACY

ST 736.4 SR 388.5 SS 672.4
 CRT -.6705 CRS -.7717 CST .9887
 LSA 1035.6 MSA 269.4 SSA 16.6
 EL1 787.8 EL2 269.4 ALF 157.79

LAUNCH DATE MAY 2 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 233.643

RL 150.76 LAL .00 LOL 220.92 VL 23.968 GAL 12.44 AZL 92.76 MCA 89.76 SMA 111.89 ECC .40185 INC 2.7571 V1 29.555
 RP 108.94 LAP -2.76 LOP 310.68 VP 35.359 GAP -23.65 AZP 90.01 TAL 160.03 TAP 249.79 RCA 66.93 APO 156.85 V2 34.784
 RC 48.377 GL -8.24 GP 4.42 ZAL 53.02 ZAP 10.61 ETS 205.89 ZAE 153.19 ETE 149.88 ZAC 122.38 ETC 21.43 CLP 9.66

PLANETOCENTRIC CONIC

C3 61.688 VML 7.854 DLA -2.98 RAL 166.07 RAD 6569.2 VEL 13.529 PTH 2.47 VMP 14.432 OPA 21.82 RAP 145.17 ECC 2.0152
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 10 22 2401.73 -23.63 53.70 45.89 106.08 8 50 24 1801.7 -21.20 45.87
 90.00 19 24 11 5230.57 26.51 235.41 48.33 79.68 20 51 21 4630.6 24.82 227.15
 100.00 9 30 20 2143.82 -24.99 34.29 45.44 106.96 10 6 3 1543.8 -22.43 26.42
 100.00 20 46 55 4963.72 27.91 215.48 48.03 78.84 22 9 39 4363.7 26.09 207.16
 110.00 10 35 23 1940.16 -28.67 17.47 44.09 109.47 11 7 43 1340.2 -25.75 9.51
 110.00 21 58 21 4740.14 31.70 197.56 47.07 76.48 23 17 21 4140.1 29.51 189.03

DIFFERENTIAL CORRECTIONS

TOE .8576 TRA-2.0564 TC3 -.1837 BAU .1652
 ROE -.5074 RRA -.3679 RC3 .0798 FAU .01686
 FDE -.6895 FRA 1.1764 FC3 -.2366 BSP 5127
 BDE .9965 BRA 2.0890 BC3 .2003 FSP -238

MID-COURSE EXECUTION ACCURACY

SGT 1652.6 SGR 474.3 SG3 91.8
 RRT .1734 RRF -.1812 RTF -.8531
 SGB 1719.3 R23 -.0207 R13 -.8535
 SG1 1654.8 SG2 466.5 TMA 3.10

ORBIT DETERMINATION ACCURACY

ST 771.1 SR 378.9 SS 704.9
 CRT -.6685 CRS -.7721 CST .9882
 LSA 1078.8 MSA 266.4 SSA 16.7
 EL1 816.9 EL2 266.0 ALF 159.55

LAUNCH DATE MAY 2 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 240.283

RL 150.76 LAL .00 LOL 220.92 VL 24.234 GAL 11.90 AZL 92.87 MCA 92.92 SMA 113.11 ECC .38550 INC 2.8658 V1 29.555
 RP 108.94 LAP -2.86 LOP 313.84 VP 35.540 GAP -22.58 AZP 89.85 TAL 159.56 TAP 252.48 RCA 69.51 APO 156.72 V2 34.784
 RC 47.135 GL -9.06 GP 4.68 ZAL 52.70 ZAP 9.52 ETS 210.66 ZAE 154.75 ETE 145.76 ZAC 120.61 ETC 20.97 CLP 8.30

PLANETOCENTRIC CONIC

C3 56.630 VML 7.525 DLA -3.90 RAL 166.13 RAD 6569.0 VEL 13.341 PTH 2.44 VMP 13.826 OPA 21.51 RAP 147.10 ECC 1.9320
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 17 31 2352.16 -22.65 50.39 44.16 107.46 8 56 43 1752.2 -20.05 42.68
 90.00 19 17 33 5238.39 26.61 235.96 47.25 79.94 20 44 51 4638.4 24.95 227.68
 100.00 9 37 2 2095.65 -24.00 31.05 43.69 108.38 10 11 57 1495.7 -21.26 23.33
 100.00 20 40 43 4970.13 28.00 215.94 46.96 79.07 22 3 33 4370.1 26.20 207.60
 110.00 10 41 5 1895.12 -27.61 14.40 42.25 111.00 11 12 40 1295.1 -24.50 6.61
 110.00 21 53 9 4743.43 31.75 197.80 46.03 76.61 23 12 12 4143.4 29.58 189.26

DIFFERENTIAL CORRECTIONS

TOE .8626 TRA-2.0477 TC3 -.1780 BAU .1508
 ROE -.4714 RRA -.3542 RC3 .0896 FAU .01747
 FDE -.7261 FRA 1.2149 FC3 -.2671 BSP 5360
 BDE .9830 BRA 2.0781 BC3 .1992 FSP -260

MID-COURSE EXECUTION ACCURACY

SGT 1716.1 SGR 469.1 SG3 99.5
 RRT .1871 RRF -.1969 RTF -.8621
 SGB 1779.1 R23 -.0236 R13 -.8626
 SG1 1718.5 SG2 460.2 TMA 3.15

ORBIT DETERMINATION ACCURACY

ST 807.0 SR 368.0 SS 739.4
 CRT -.6659 CRS -.7719 CST .9878
 LSA 1124.3 MSA 262.8 SSA 16.8
 EL1 847.5 EL2 261.4 ALF 161.26

LAUNCH DATE MAY 2 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 246.948

RL 150.76 LAL .00 LOL 220.92 VL 24.483 GAL 11.39 AZL 92.98 MCA 96.08 SMA 114.29 ECC .36991 INC 2.9751 V1 29.555
 RP 108.94 LAP -2.96 LOP 317.01 VP 35.711 GAP -21.55 AZP 89.68 TAL 159.13 TAP 255.21 RCA 72.01 APO 156.57 V2 34.785
 RC 46.068 GL -9.94 GP 4.97 ZAL 52.45 ZAP 8.52 ETS 216.82 ZAE 156.28 ETE 140.90 ZAC 118.82 ETC 20.54 CLP 6.93

PLANETOCENTRIC CONIC

C3 52.048 VML 7.214 DLA -4.85 RAL 166.12 RAD 6568.9 VEL 13.168 PTH 2.40 VMP 13.240 OPA 21.22 RAP 149.01 ECC 1.8566
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 24 37 2301.60 -21.58 47.07 42.41 108.79 9 2 59 1701.6 -18.82 39.49
 90.00 19 10 22 5247.28 26.71 236.59 46.11 80.24 20 37 49 4647.3 25.09 228.30
 100.00 9 43 41 2046.56 -22.90 27.82 41.91 109.75 10 17 47 1446.6 -20.00 20.22
 100.00 20 33 59 4977.56 28.09 216.47 45.84 79.34 21 56 57 4377.6 26.33 208.11
 110.00 10 46 42 1849.28 -26.45 11.34 40.40 112.48 11 17 31 1249.3 -23.17 3.71
 110.00 21 47 28 4747.60 31.81 198.11 44.93 76.78 23 6 35 4147.6 29.67 189.55

DIFFERENTIAL CORRECTIONS

TOE .8683 TRA-2.0371 TC3 -.1695 BAU .1371
 ROE -.4359 RRA -.3412 RC3 .1003 FAU .01816
 FDE -.7661 FRA 1.2553 FC3 -.3020 BSP 5591
 BDE .9715 BRA 2.0655 BC3 .1970 FSP -285

MID-COURSE EXECUTION ACCURACY

SGT 1780.9 SGR 463.4 SG3 108.0
 RRT .2030 RRF -.2152 RTF -.8707
 SGB 1840.2 R23 -.0268 R13 -.8712
 SG1 1783.6 SG2 453.1 TMA 3.23

ORBIT DETERMINATION ACCURACY

ST 844.3 SR 355.7 SS 776.2
 CRT -.6626 CRS -.7709 CST .9874
 LSA 1172.5 MSA 258.5 SSA 16.8
 EL1 879.7 EL2 255.6 ALF 162.92

LAUNCH DATE MAY 2 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 20 1967

MELIOCENTRIC CONIC
 RL 150.76 LAL .00 LOL 220.92 VL 24.715 GAL 10.90 AZL 93.09 MCA 99.24 SMA 115.43 ECC .35508 INC 3.0857 V1 29.555
 RP 108.93 LAP -3.05 LOP 320.17 VP 35.873 GAP -20.56 AZP 89.50 TAL 158.73 TAP 257.97 RCA 74.44 APO 156.41 V2 34.787
 RC 43.125 GL -10.88 GP 5.29 ZAL 52.28 ZAP 7.66 ETS 224.75 ZAE 157.70 ETE 135.18 ZAC 117.04 ETC 20.14 CLP 5.55

PLANETOCENTRIC CONIC
 C3 47.906 VML 6.921 OLA -5.83 RAL 166.04 RAD 6568.8 VEL 13.010 PTM 2.37 VMP 12.672 DPA 20.94 RAP 150.92 ECC 1.7884
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 31 44 2250.01 -20.41 43.74 40.65 110.06 9 9 14 1650.0 -17.50 36.28
 90.00 19 2 34 5257.52 26.83 237.32 44.93 80.58 20 30 12 4657.5 25.25 229.00
 100.00 9 50 19 1996.52 -21.71 24.57 40.12 111.06 10 23 35 1396.5 -18.66 17.11
 100.00 20 26 40 4986.24 28.20 217.10 44.66 79.65 21 49 47 4386.2 26.48 208.72
 110.00 10 52 14 1802.66 -25.20 8.29 38.55 113.90 11 22 17 1202.7 -21.76 .83
 110.00 21 41 15 4752.87 31.90 198.49 43.78 77.00 23 0 27 4152.9 29.78 189.92

DIFFERENTIAL CORRECTIONS
 TOE .8746 TRA-2.0242 TC3 -.1582 BAU .1242 SGT 1846.4 SGR 457.3 SG3 117.2 ST 882.9 SR 341.9 SS 815.4
 ROE -.4008 RRA -.3291 RC3 .1121 FAU .01891 RRT .2216 RRF -.2364 RTF -.8788 CRT -.6585 CRS -.7690 CST .9870
 FDE -.8099 FRA 1.2978 FC3 -.3417 BSP 5828 SGB 1902.2 R23 -.0304 R13 -.8794 LSA 1223.4 MSA 253.7 SSA 16.9
 BOE .9821 BRA 2.0507 BC3 .1939 FSP -312 SGI 1849.3 SG2 445.3 TMA 3.33 EL1 913.6 EL2 248.7 ALF 164.52

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 2 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 22 1967

MELIOCENTRIC CONIC
 RL 150.76 LAL .00 LOL 220.92 VL 24.932 GAL 10.43 AZL 93.20 MCA 102.40 SMA 116.52 ECC .34100 INC 3.1984 V1 29.555
 RP 108.93 LAP -3.12 LOP 323.34 VP 36.025 GAP -19.60 AZP 89.31 TAL 158.37 TAP 260.77 RCA 76.79 APO 156.25 V2 34.790
 RC 44.335 GL -11.88 GP 5.65 ZAL 52.19 ZAP 7.01 ETS 234.74 ZAE 158.95 ETE 128.50 ZAC 115.27 ETC 19.76 CLP 4.15

PLANETOCENTRIC CONIC
 C3 44.168 VML 6.648 OLA -6.85 RAL 165.88 RAD 6568.7 VEL 12.866 PTM 2.34 VMP 12.124 DPA 20.69 RAP 152.82 ECC 1.7269
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 38 54 2197.37 -19.15 40.39 38.88 111.27 9 15 31 1597.4 -16.09 33.05
 90.00 18 54 7 9269.37 26.96 238.16 43.71 80.99 20 21 57 4669.4 25.44 229.82
 100.00 9 56 58 1945.51 -20.43 21.33 38.33 112.31 10 29 24 1345.5 -17.23 14.00
 100.00 20 18 44 4996.48 28.32 217.83 43.45 80.01 21 42 1 4396.5 26.65 209.43
 110.00 10 57 44 1755.28 -23.86 5.26 36.70 115.24 11 26 59 1155.3 -20.26 357.97
 110.00 21 34 28 4759.47 32.00 198.98 42.60 77.27 22 53 47 4159.5 29.91 190.39

DIFFERENTIAL CORRECTIONS
 TOE .8817 TRA-2.0094 TC3 -.1438 BAU .1125 SGT 1912.8 SGR 451.1 SG3 127.3 ST 923.0 SR 326.4 SS 857.5
 ROE -.3682 RRA -.3180 RC3 .1249 FAU .01973 RRT .2435 RRF -.2613 RTF -.8865 CRT -.6527 CRS -.7655 CST .9867
 FDE -.8583 FRA 1.3426 FC3 -.3867 BSP 6063 SGB 1965.3 R23 -.0346 R13 -.8870 LSA 1277.4 MSA 248.3 SSA 16.9
 BOE .9547 BRA 2.0344 BC3 .1905 FSP -342 SGI 1916.2 SG2 436.7 TMA 3.47 EL1 949.0 EL2 240.5 ALF 166.09

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 2 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 24 1967

MELIOCENTRIC CONIC
 RL 150.76 LAL .00 LOL 220.92 VL 25.135 GAL 9.98 AZL 93.31 MCA 105.56 SMA 117.57 ECC .32763 INC 3.3138 V1 29.555
 RP 108.92 LAP -3.19 LOP 326.50 VP 36.168 GAP -18.67 AZP 89.11 TAL 158.05 TAP 263.61 RCA 79.05 APO 156.09 V2 34.793
 RC 43.707 GL -12.95 GP 6.05 ZAL 52.17 ZAP 6.64 ETS 246.66 ZAE 159.94 ETE 120.87 ZAC 113.49 ETC 19.40 CLP 2.73

PLANETOCENTRIC CONIC
 C3 40.799 VML 6.387 OLA -7.91 RAL 165.64 RAD 6568.6 VEL 12.734 PTM 2.32 VMP 11.593 DPA 20.46 RAP 154.71 ECC 1.6714
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 46 9 2143.62 -17.79 37.04 37.12 112.40 9 21 53 1543.6 -14.59 29.82
 90.00 18 44 58 9283.13 27.10 239.14 42.45 81.46 20 13 1 4683.1 25.64 230.78
 100.00 10 3 41 1893.51 -19.05 18.08 36.55 113.48 10 35 14 1293.5 -15.72 10.88
 100.00 20 10 7 5008.47 28.46 218.70 42.20 80.45 21 33 35 4408.5 26.85 210.27
 110.00 11 3 13 1707.09 -22.43 2.25 34.87 116.50 11 31 40 1107.1 -18.69 355.12
 110.00 21 27 4 4767.66 32.12 199.59 41.38 77.61 22 46 32 4167.7 30.08 190.97

DIFFERENTIAL CORRECTIONS
 TOE .8902 TRA-1.9923 TC3 -.1258 BAU .1022 SGT 1979.6 SGR 444.8 SG3 138.4 ST 964.7 SR 309.1 SS 902.7
 ROE -.3317 RRA -.3080 RC3 .1389 FAU .02064 RRT .2694 RRF -.2905 RTF -.8937 CRT -.6449 CRS -.7600 CST .9864
 FDE -.9120 FRA 1.3898 FC3 -.4379 BSP 6302 SGB 2029.0 R23 -.0393 R13 -.8944 LSA 1334.9 MSA 242.5 SSA 16.9
 BOE .9500 BRA 2.0159 BC3 .1874 FSP -376 SGI 1983.4 SG2 427.5 TMA 3.63 EL1 986.3 EL2 231.1 ALF 167.63

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 2 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 26 1967

MELIOCENTRIC CONIC
 RL 150.76 LAL .00 LOL 220.92 VL 25.324 GAL 9.55 AZL 93.43 MCA 108.72 SMA 118.57 ECC .31498 INC 3.4328 V1 29.555
 RP 108.90 LAP -3.25 LOP 329.67 VP 36.304 GAP -17.77 AZP 88.90 TAL 157.77 TAP 266.49 RCA 81.22 APO 155.91 V2 34.797
 RC 43.245 GL -14.08 GP 6.50 ZAL 52.24 ZAP 6.63 ETS 259.63 ZAE 160.58 ETE 112.43 ZAC 111.72 ETC 19.07 CLP 1.29

PLANETOCENTRIC CONIC
 C3 37.774 VML 6.146 OLA -9.01 RAL 165.32 RAD 6568.5 VEL 12.615 PTM 2.29 VMP 11.081 DPA 20.28 RAP 156.59 ECC 1.6217
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 53 32 2088.70 -16.33 33.67 35.37 113.46 9 28 21 1488.7 -13.02 26.55
 90.00 18 35 1 9299.13 27.26 240.29 41.17 82.01 20 3 20 4699.1 25.87 231.89
 100.00 10 10 29 1840.47 -17.58 14.83 34.78 114.57 10 41 9 1240.5 -14.12 7.75
 100.00 20 0 46 5022.60 28.62 219.72 40.94 80.97 21 24 28 4422.6 27.07 211.26
 110.00 11 8 43 1658.14 -20.91 359.27 33.05 117.68 11 36 21 1058.1 -17.04 352.28
 110.00 21 19 1 4777.69 32.26 200.34 40.16 78.03 22 38 39 4177.7 30.28 191.69

DIFFERENTIAL CORRECTIONS
 TOE .8998 TRA-1.9730 TC3 -.1042 BAU .0939 SGT 2046.5 SGR 438.8 SG3 150.6 ST 1007.9 SR 289.9 SS 951.2
 ROE -.2973 RRA -.2994 RC3 .1541 FAU .02163 RRT .3001 RRF -.3248 RTF -.9005 CRT -.6337 CRS -.7513 CST .9862
 FDE -.9718 FRA 1.4400 FC3 -.4958 BSP 6533 SGB 2093.1 R23 -.0448 R13 -.9012 LSA 1395.9 MSA 236.3 SSA 16.8
 BOE .9477 BRA 1.9956 BC3 .1860 FSP -412 SGI 2050.9 SG2 417.7 TMA 3.84 EL1 1025.3 EL2 220.5 ALF 169.16

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 2 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 280.507

RL 150.76 LAL .00 LOL 220.92 VL 25.500 GAL 9.14 AZL 93.56 MCA 111.88 SMA 119.52 ECC .30302 INC 3.5564 VI 29.555
 RP 108.89 LAP -3.30 LOP 332.84 VP 36.431 GAP -16.91 AZP 88.67 TAL 157.52 TAP 269.41 RCA 83.31 APO 155.74 V2 34.801
 RC 42.956 GL -15.29 GP 7.00 ZAL 52.40 ZAP 7.01 ETS 272.22 ZAE 160.79 ETE 103.50 ZAC 109.96 ETC 18.76 CLP -.17

PLANETOCENTRIC CONIC

C3 35.067 VML 5.922 OLA -10.16 RAL 164.91 RAD 6568.4 VEL 12.507 PTH 2.26 VMP 10.586 OPA 20.14 RAP 158.46 ECC 1.5771
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 1 8 2032.51 -14.78 30.27 33.64 114.43 9 35 0 1432.5 -11.35 23.26
 90.00 18 24 13 5317.74 27.43 241.62 39.87 82.66 19 52 51 4717.7 26.13 233.20
 100.00 10 17 27 1786.31 -16.02 11.57 33.04 115.58 10 47 13 1186.3 -12.45 4.60
 100.00 19 50 35 5039.17 28.79 220.92 39.66 81.58 21 14 35 4439.2 27.32 212.42
 110.00 11 14 16 1608.38 -19.31 356.30 31.27 118.77 11 41 4 1008.4 -15.32 349.45
 110.00 21 10 16 4769.85 32.43 201.25 38.92 78.55 22 30 6 4189.9 30.51 192.56

DIFFERENTIAL CORRECTIONS

TOE .9098 TRA-1.9525 TC3 -.0802 BAU .0884
 ROE -.2627 RRA -.2923 RC3 .1707 FAU .02272
 FDE-1.0387 FRA 1.4933 FC3 -.5610 BSP 6763
 BDE .9469 BRA 1.9742 BC3 .1886 FSP -452

MID-COURSE EXECUTION ACCURACY

SGT 2113.6 SGR 433.6 SG3 164.1
 RRT .3365 RRF -.3650 RTF -.9066
 SGB 2157.6 R23 -.0511 R13 -.9074
 SG1 2118.8 SG2 407.3 TMA 4.10

ORBIT DETERMINATION ACCURACY

ST 1051.8 SR 268.5 SS 1003.7
 CRT -.6167 CRS -.7379 CST .9860
 LSA 1460.4 MSA 230.1 SSA 16.8
 EL1 1065.3 EL2 208.7 ALF 170.69

LAUNCH DATE MAY 2 1967

FLIGHT TIME 120.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 287.244

RL 150.76 LAL .00 LOL 220.92 VL 25.663 GAL 8.75 AZL 93.69 MCA 115.05 SMA 120.43 ECC .29173 INC 3.6857 VI 29.555
 RP 108.87 LAP -3.34 LOP 336.01 VP 36.551 GAP -16.07 AZP 88.44 TAL 157.31 TAP 272.36 RCA 85.30 APO 155.57 V2 34.806
 RC 42.841 GL -16.58 GP 7.57 ZAL 52.64 ZAP 7.75 ETS 283.17 ZAE 160.54 ETE 94.58 ZAC 108.21 ETC 18.46 CLP -1.67

PLANETOCENTRIC CONIC

C3 32.653 VML 5.714 OLA -11.35 RAL 164.43 RAD 6568.3 VEL 12.411 PTH 2.24 VMP 10.109 OPA 20.07 RAP 160.32 ECC 1.5374
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 9 0 1974.91 -13.13 26.85 31.95 115.32 9 41 55 1374.9 -9.61 19.93
 90.00 18 12 28 5339.35 27.60 243.18 38.58 83.42 19 41 27 4739.4 26.41 234.72
 100.00 10 24 37 1730.95 -14.36 8.29 31.33 116.50 10 53 28 1130.9 -10.69 1.43
 100.00 19 39 32 5058.55 28.97 222.33 38.38 82.30 21 3 51 4458.6 27.60 213.79
 110.00 11 19 54 1557.81 -17.63 353.34 29.52 119.77 11 45 52 957.8 -13.53 346.62
 110.00 21 0 44 4804.46 32.62 202.34 37.69 79.17 22 20 49 4204.5 30.78 193.61

DIFFERENTIAL CORRECTIONS

TOE .9246 TRA-1.9284 TC3 -.0490 BAU .0851
 ROE -.2278 RRA -.2869 RC3 .1886 FAU .02392
 FDE-1.1141 FRA 1.5498 FC3 -.6342 BSP 7015
 BDE .9522 BRA 1.9496 BC3 .1948 FSP -497

MID-COURSE EXECUTION ACCURACY

SGT 2179.9 SGR 429.8 SG3 178.9
 RRT .3789 RRF -.4116 RTF -.9132
 SGB 2221.9 R23 -.0581 R13 -.9141
 SG1 2186.2 SG2 396.6 TMA 4.42

ORBIT DETERMINATION ACCURACY

ST 1099.8 SR 244.8 SS 1060.5
 CRT -.5929 CRS -.7168 CST .9861
 LSA 1531.1 MSA 223.0 SSA 16.6
 EL1 1109.6 EL2 195.4 ALF 172.24

LAUNCH DATE MAY 2 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 293.983

RL 150.76 LAL .00 LOL 220.92 VL 25.816 GAL 8.38 AZL 93.82 MCA 118.21 SMA 121.29 ECC .28110 INC 3.8218 VI 29.555
 RP 108.86 LAP -3.37 LOP 339.18 VP 36.663 GAP -15.26 AZP 88.19 TAL 157.14 TAP 275.35 RCA 87.20 APO 155.39 V2 34.812
 RC 42.900 GL -17.95 GP 8.22 ZAL 52.97 ZAP 8.81 ETS 291.96 ZAE 159.83 ETE 86.17 ZAC 106.47 ETC 18.18 CLP -3.20

PLANETOCENTRIC CONIC

C3 30.512 VML 5.524 OLA -12.61 RAL 163.85 RAD 6568.2 VEL 12.324 PTH 2.22 VMP 9.649 OPA 20.06 RAP 162.18 ECC 1.5022
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 17 15 1915.72 -11.38 23.38 30.30 116.11 9 49 10 1315.7 -7.78 16.55
 90.00 17 59 39 5364.45 27.79 244.99 37.28 84.32 19 29 4 4764.4 26.71 236.49
 100.00 10 32 6 1674.23 -12.62 4.99 29.66 117.33 11 0 0 1074.2 -8.86 358.22
 100.00 19 27 29 5081.17 29.17 223.98 37.11 83.15 20 52 10 4481.2 27.91 215.41
 110.00 11 25 42 1506.33 -15.86 350.39 27.81 120.68 11 50 49 906.3 -11.67 343.79
 110.00 20 50 22 4821.83 32.84 203.65 36.47 79.92 22 10 44 4221.8 31.10 194.86

DIFFERENTIAL CORRECTIONS

TOE .9400 TRA-1.9029 TC3 -.0160 BAU .0851
 ROE -.1919 RRA -.2836 RC3 .2080 FAU .02523
 FDE-1.1993 FRA 1.6100 FC3 -.7159 BSP 7234
 BDE .9594 BRA 1.9240 BC3 .2087 FSP -546

MID-COURSE EXECUTION ACCURACY

SGT 2245.4 SGR 428.1 SG3 195.1
 RRT .4281 RRF -.4653 RTF -.9189
 SGB 2285.9 R23 -.0664 R13 -.9199
 SG1 2253.1 SG2 385.6 TMA 4.81

ORBIT DETERMINATION ACCURACY

ST 1148.4 SR 218.7 SS 1122.0
 CRT -.5542 CRS -.6828 CST .9862
 LSA 1605.8 MSA 216.3 SSA 16.4
 EL1 1155.0 EL2 181.0 ALF 173.82

LAUNCH DATE MAY 2 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 300.721

RL 150.76 LAL .00 LOL 220.92 VL 25.957 GAL 8.03 AZL 93.97 MCA 121.37 SMA 122.11 ECC .27111 INC 3.9663 VI 29.555
 RP 108.84 LAP -3.39 LOP 342.35 VP 36.769 GAP -14.47 AZP 87.93 TAL 157.00 TAP 278.38 RCA 89.01 APO 155.22 V2 34.819
 RC 43.133 GL -19.41 GP 8.95 ZAL 53.40 ZAP 10.13 ETS 298.71 ZAE 158.72 ETE 78.64 ZAC 104.75 ETC 17.91 CLP -4.77

PLANETOCENTRIC CONIC

C3 28.628 VML 5.351 OLA -13.91 RAL 163.19 RAD 6568.2 VEL 12.248 PTH 2.20 VMP 9.207 OPA 20.14 RAP 164.03 ECC 1.4711
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 25 59 1854.68 -9.52 19.85 28.71 116.79 9 56 54 1254.7 -5.85 13.09
 90.00 17 45 38 5393.56 27.97 247.10 36.00 85.36 19 15 32 4793.6 27.03 238.56
 100.00 10 39 58 1615.97 -10.77 1.64 28.05 118.05 11 6 54 1016.0 -6.94 354.95
 100.00 19 14 20 5107.51 29.37 225.92 35.86 84.15 20 39 28 4507.5 28.24 217.29
 110.00 11 31 43 1453.88 -14.02 347.45 26.15 121.50 11 55 57 853.9 -9.75 340.95
 110.00 20 39 5 4842.36 33.07 205.21 35.28 80.81 21 59 47 4242.4 31.45 196.36

DIFFERENTIAL CORRECTIONS

TOE .9581 TRA-1.8755 TC3 .0205 BAU .0881
 ROE -.1546 RRA -.2825 RC3 .2291 FAU .02666
 FDE-1.2962 FRA 1.6739 FC3 -.8064 BSP 7463
 BDE .9705 BRA 1.8967 BC3 .2301 FSP -600

MID-COURSE EXECUTION ACCURACY

SGT 2309.6 SGR 429.8 SG3 213.1
 RRT .4840 RRF -.5259 RTF -.9242
 SGB 2349.2 R23 -.0760 R13 -.9254
 SG1 2319.2 SG2 374.5 TMA 5.28

ORBIT DETERMINATION ACCURACY

ST 1199.1 SR 190.3 SS 1189.0
 CRT -.4901 CRS -.6252 CST .9864
 LSA 1686.3 MSA 209.6 SSA 16.1
 EL1 1202.8 EL2 165.4 ALF 175.47

LAUNCH DATE MAY 2 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 307.457

RL 150.76 LAL .00 LOL 220.92 VL 26.088 GAL 7.70 AZL 94.12 MCA 124.54 SMA 122.88 ECC .26174 INC 4.1210 V1 29.555
 RP 108.81 LAP -3.39 LOP 345.53 VP 36.869 GAP -13.71 AZP 87.66 TAL 156.90 TAP 281.44 RCA 90.72 APO 155.05 V2 34.826
 RC 43.534 GL -20.96 GP 9.79 ZAL 53.93 ZAP 11.67 ETS 303.76 ZAE 157.29 ETE 72.21 ZAC 103.03 ETC 17.65 CLP -6.38

PLANETOCENTRIC CONIC

C3 26.984 VML 5.195 DLA -15.29 RAL 162.44 RAD 6568.1 VEL 12.180 PTM 2.19 VMP 8.783 DPA 20.33 RAP 165.88 ECC 1.4441
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 35 22 1791.42 -7.56 16.24 27.18 117.37 10 5 14 1191.4 -3.84 9.54
 90.00 17 30 15 5427.36 28.13 249.56 34.74 86.58 19 0 42 4827.4 27.36 240.98
 100.00 10 48 22 1555.87 -8.83 358.24 26.50 118.67 11 14 18 955.9 -4.93 351.62
 100.00 18 59 56 5138.14 29.56 228.17 34.63 85.32 20 25 34 4538.1 28.59 219.50
 110.00 11 38 2 1400.32 -12.09 344.49 24.55 122.22 12 1 22 800.3 -7.75 338.09
 110.00 20 26 45 4866.46 33.32 207.05 34.13 81.87 21 47 52 4266.5 31.84 198.13

DIFFERENTIAL CORRECTIONS

TOE .9790 TRA-1.8461 TC3 .0600 BAU .0935
 RDE -.1154 RRA -.2842 RC3 .2520 FAU .02822
 FDE-1.4065 FRA 1.7418 FC3 -.9055 BSP 7685
 BDE .9858 BRA 1.8679 BC3 .2591 FSP -660

MID-COURSE EXECUTION ACCURACY

SGT 2371.9 SGR 436.3 SG3 232.8
 RRT .5459 RRF -.5922 RTF -.9292
 SGB 2411.7 R23 -.0868 R13 -.9307
 SGI 2384.1 SG2 363.7 TMA 5.87

ORBIT DETERMINATION ACCURACY

ST 1251.8 SR 160.5 SS 1261.7
 CRT -.3765 CRS -.5206 CST .9867
 LSA 1772.9 MSA 203.2 SSA 15.7
 EL1 1253.3 EL2 148.5 ALF 177.20

LAUNCH DATE MAY 2 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 314.188

RL 150.76 LAL .00 LOL 220.92 VL 26.209 GAL 7.39 AZL 94.29 MCA 127.71 SMA 123.61 ECC .25296 INC 4.2880 V1 29.555
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.962 GAP -12.97 AZP 87.37 TAL 156.83 TAP 284.54 RCA 92.34 APO 154.88 V2 34.834
 RC 44.099 GL -22.60 GP 10.76 ZAL 54.55 ZAP 13.41 ETS 307.48 ZAE 155.61 ETE 66.92 ZAC 101.33 ETC 17.40 CLP -8.05

PLANETOCENTRIC CONIC

C3 25.570 VML 5.057 DLA -16.72 RAL 161.59 RAD 6568.0 VEL 12.122 PTM 2.17 VMP 8.376 DPA 20.64 RAP 167.74 ECC 1.4208
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 45 37 1725.42 -5.48 12.51 25.75 117.82 10 14 23 1125.4 -1.71 5.85
 90.00 17 13 14 5466.69 28.25 252.43 33.52 88.02 18 44 21 4866.7 27.68 243.81
 100.00 10 57 28 1493.58 -6.78 354.76 25.04 119.18 11 22 22 893.6 -2.84 348.19
 100.00 18 44 5 5173.76 29.73 230.81 33.44 86.70 20 10 18 4573.8 28.95 222.09
 110.00 11 44 45 1345.47 -10.08 341.51 23.03 122.84 12 7 11 745.5 -5.69 335.18
 110.00 20 13 17 4894.64 33.57 209.21 33.04 83.13 21 34 52 4294.6 32.25 200.22

DIFFERENTIAL CORRECTIONS

TOE 1.0062 TRA-1.8122 TC3 .1061 BAU .1014
 RDE -.0731 RRA -.2888 RC3 .2770 FAU .02997
 FDE-1.5342 FRA 1.8123 FC3-1.0148 BSP 7953
 BDE 1.0089 BRA 1.8351 BC3 .2966 FSP -729

MID-COURSE EXECUTION ACCURACY

SGT 2430.7 SGR 449.6 SG3 254.4
 RRT .6116 RRF -.6619 RTF -.9345
 SGB 2471.9 R23 -.0986 R13 -.9363
 SGI 2446.5 SG2 353.4 TMA 6.59

ORBIT DETERMINATION ACCURACY

ST 1309.0 SR 132.1 SS 1341.6
 CRT -.1645 CRS -.3176 CST .9872
 LSA 1868.7 MSA 196.4 SSA 15.2
 EL1 1309.2 EL2 130.2 ALF 179.04

LAUNCH DATE MAY 2 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 320.912

RL 150.76 LAL .00 LOL 220.92 VL 26.322 GAL 7.09 AZL 94.47 MCA 130.87 SMA 124.29 ECC .24476 INC 4.4700 V1 29.555
 RP 108.76 LAP -3.38 LOP 351.88 VP 37.049 GAP -12.25 AZP 87.07 TAL 156.80 TAP 287.67 RCA 93.87 APO 154.71 V2 34.842
 RC 44.820 GL -24.35 GP 11.88 ZAL 55.28 ZAP 15.34 ETS 310.17 ZAE 153.75 ETE 62.71 ZAC 99.65 ETC 17.15 CLP -9.77

PLANETOCENTRIC CONIC

C3 24.378 VML 4.937 DLA -18.24 RAL 160.65 RAD 6568.0 VEL 12.073 PTM 2.16 VMP 7.989 DPA 21.10 RAP 169.61 ECC 1.4012
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 57 2 1655.92 -3.26 8.61 24.42 118.14 10 24 38 1055.9 .53 1.97
 90.00 16 54 18 5512.67 28.32 255.79 32.32 89.70 18 26 11 4912.7 27.97 247.15
 100.00 11 7 30 1428.52 -4.60 351.15 23.68 119.57 11 31 19 828.5 -.63 344.61
 100.00 18 26 31 5215.30 29.85 233.89 32.29 88.31 19 53 26 4615.3 29.30 225.13
 110.00 11 52 1 1289.07 -7.99 338.49 21.59 123.35 12 13 30 689.1 -3.54 332.22
 110.00 19 58 30 4927.51 33.81 211.75 32.00 84.61 21 20 38 4327.5 32.69 202.69

DIFFERENTIAL CORRECTIONS

TOE 1.0342 TRA-1.7789 TC3 .1488 BAU .1103
 RDE -.0268 RRA -.2972 RC3 .3039 FAU .03178
 FDE-1.6790 FRA 1.8877 FC3-1.1285 BSP 8157
 BDE 1.0346 BRA 1.8035 BC3 .3384 FSP -802

MID-COURSE EXECUTION ACCURACY

SGT 2487.1 SGR 472.1 SG3 278.1
 RRT .6779 RRF -.7314 RTF -.9389
 SGB 2531.6 R23 -.1122 R13 -.9410
 SGI 2508.0 SG2 344.2 TMA 7.47

ORBIT DETERMINATION ACCURACY

ST 1365.9 SR 113.7 SS 1427.4
 CRT -.1645 CRS -.3176 CST .9872
 LSA 1969.6 MSA 190.8 SSA 14.7
 EL1 1366.1 EL2 110.9 ALF 179.04

LAUNCH DATE MAY 2 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 327.628

RL 150.76 LAL .00 LOL 220.92 VL 26.425 GAL 6.81 AZL 94.67 MCA 134.04 SMA 124.93 ECC .23713 INC 4.6704 V1 29.555
 RP 108.74 LAP -3.36 LOP 355.05 VP 37.131 GAP -11.55 AZP 86.75 TAL 156.79 TAP 290.83 RCA 95.31 APO 154.55 V2 34.851
 RC 45.690 GL -26.21 GP 13.19 ZAL 56.10 ZAP 17.47 ETS 312.06 ZAE 151.77 ETE 59.50 ZAC 97.98 ETC 16.90 CLP -11.56

PLANETOCENTRIC CONIC

C3 23.403 VML 4.838 DLA -19.83 RAL 159.61 RAD 6568.0 VEL 12.033 PTM 2.15 VMP 7.622 DPA 21.74 RAP 171.51 ECC 1.3852
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 10 3 1581.72 -.87 4.46 23.23 118.30 10 36 25 981.7 2.92 357.83
 90.00 16 32 57 5566.88 28.27 259.76 31.16 91.69 18 5 44 4966.9 28.21 251.09
 100.00 11 18 48 1359.88 -2.29 347.37 22.44 119.81 11 41 28 759.9 1.70 340.85
 100.00 18 6 53 5263.98 29.89 237.51 31.19 90.22 19 34 37 4664.0 29.60 228.72
 110.00 11 59 59 1230.76 -5.79 335.40 20.26 123.75 12 20 30 630.8 -1.32 329.17
 110.00 19 42 11 4965.84 34.01 214.72 31.05 86.36 21 4 57 4365.8 33.13 205.59

DIFFERENTIAL CORRECTIONS

TOE 1.0670 TRA-1.7438 TC3 .1915 BAU .1202
 RDE .0251 RRA -.3099 RC3 .3332 FAU .03370
 FDE-1.8458 FRA 1.9663 FC3-1.2466 BSP 8344
 BDE 1.0673 BRA 1.7711 BC3 .3843 FSP -881

MID-COURSE EXECUTION ACCURACY

SGT 2540.0 SGR 507.0 SG3 303.8
 RRT .7408 RRF -.7965 RTF -.9430
 SGB 2590.1 R23 -.1272 R13 -.9457
 SGI 2568.1 SG2 336.8 TMA 8.56

ORBIT DETERMINATION ACCURACY

ST 1425.1 SR 121.2 SS 1520.7
 CRT .6648 CRS .5447 CST .9883
 LSA 2079.2 MSA 185.9 SSA 14.0
 EL1 1427.4 EL2 90.4 ALF 3.25

LAUNCH DATE MAY 2 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 334.335
 RL 150.76 LAL .00 LOL 220.92 VL 26.521 GAL 6.55 AZL 94.89 MCA 137.21 SMA 125.53 ECC .23003 INC 4.8936 V1 29.555
 RP 108.71 LAP -3.32 LOP 358.23 VP 37.208 GAP -10.88 AZP 86.40 TAL 156.80 TAP 294.02 RCA 96.65 APO 154.40 V2 34.860
 RC 46.700 GL -28.18 GP 14.71 ZAL 57.03 ZAP 19.81 ETS 313.30 ZAE 149.68 ETE 57.17 ZAC 96.32 ETC 16.64 CLP -13.42

PLANETOCENTRIC CONIC

C3 22.647 VML 4.759 DLA -21.51 RAL 158.45 RAD 6567.9 VEL 12.001 PTH 2.14 VMP 7.277 CPA 22.61 RAP 173.44 ECC 1.3727
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 25 21 1500.85 1.74 359.95 22.22 118.27 10 50 22 900.9 5.51 353.30
 90.00 16 8 27 5631.76 28.05 264.49 30.02 94.05 17 42 19 5031.8 28.32 255.84
 100.00 11 31 51 1286.26 .21 343.33 21.36 119.89 11 53 17 686.3 4.18 336.80
 100.00 17 44 39 5321.59 29.80 241.79 30.14 92.47 19 13 20 4721.6 29.82 232.98
 110.00 12 8 57 1169.99 -3.48 332.21 19.06 124.03 12 28 26 570.0 1.01 326.01
 110.00 19 24 2 5010.62 34.15 218.21 30.18 88.42 20 47 33 4410.6 33.56 209.02

DIFFERENTIAL CORRECTIONS

TOE 1.1052 TRA-1.7065 TC3 .2324 BAU .1310
 RDE .0849 RRA -3.3276 RC3 .3649 FAU .03570
 FDE-2.0377 FRA 2.0465 FC3-1.3647 BSP 8536
 BDE 1.1085 BRA 1.7377 BC3 .4326 FSP -967

MID-COURSE EXECUTION ACCURACY

SGT 2587.7 SGR 557.5 SG3 331.5
 RRT .7965 RRF -.8531 RTF -.9468
 SGB 2647.1 R23 -.1427 R13 -.9502
 SGI 2626.2 SG2 332.1 TMA 9.90

ORBIT DETERMINATION ACCURACY

ST 1486.5 SR 163.5 SS 1621.5
 CRT .9067 CRS .8354 CST .9889
 LSA 2198.3 MSA 181.5 SSA 13.1
 EL1 1493.9 EL2 68.6 ALF 5.71

LAUNCH DATE MAY 2 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 341.030
 RL 150.76 LAL .00 LOL 220.92 VL 26.608 GAL 6.31 AZL 95.15 MCA 140.38 SMA 126.08 ECC .22345 INC 5.1453 V1 29.555
 RP 108.68 LAP -3.28 LOP 1.41 VP 37.280 GAP -10.22 AZP 86.03 TAL 156.84 TAP 297.23 RCA 97.91 APO 154.26 V2 34.870
 RC 47.841 GL -30.29 GP 16.51 ZAL 58.08 ZAP 22.40 ETS 314.03 ZAE 147.50 ETE 55.64 ZAC 94.66 ETC 16.36 CLP -15.35

PLANETOCENTRIC CONIC

C3 22.120 VML 4.703 DLA -23.28 RAL 157.19 RAD 6567.9 VEL 11.979 PTH 2.13 VMP 6.955 CPA 23.75 RAP 175.44 ECC 1.3640
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 44 12 1409.70 4.67 354.85 21.46 117.96 11 7 42 809.7 8.37 348.13
 90.00 15 39 29 5711.48 27.53 270.27 28.87 96.90 17 14 41 5111.5 28.20 261.67
 100.00 11 47 28 1205.47 2.95 338.89 20.51 119.76 12 7 34 605.5 6.89 332.32
 100.00 17 18 54 5390.95 29.49 246.92 29.11 95.15 18 48 45 4791.0 29.89 238.14
 110.00 12 19 13 1105.92 -1.04 328.87 18.02 124.17 12 37 39 505.9 3.45 322.66
 110.00 19 3 39 5063.27 34.17 222.32 29.40 90.85 20 28 2 4463.3 33.91 213.09

DIFFERENTIAL CORRECTIONS

TOE 1.1519 TRA-1.6653 TC3 .2733 BAU .1431
 RDE .1556 RRA -3.511 RC3 .3994 FAU .03782
 FDE-2.2599 FRA 2.1244 FC3-1.4800 BSP 8767
 BDE 1.1624 BRA 1.7019 BC3 .4839 FSP -1063

MID-COURSE EXECUTION ACCURACY

SGT 2629.2 SGR 627.6 SG3 361.0
 RRT .8430 RRF -.8989 RTF -.9507
 SGB 2703.1 R23 -.1570 R13 -.9550
 SGI 2682.7 SG2 330.9 TMA 11.56

ORBIT DETERMINATION ACCURACY

ST 1551.8 SR 235.8 SS 1730.8
 CRT .9804 CRS .9433 CST .9897
 LSA 2329.8 MSA 177.2 SSA 12.2
 EL1 1569.0 EL2 46.0 ALF 8.48

LAUNCH DATE MAY 2 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 347.712
 RL 150.76 LAL .00 LOL 220.92 VL 26.689 GAL 6.08 AZL 95.43 MCA 143.56 SMA 126.60 ECC .21737 INC 5.4334 V1 29.555
 RP 108.64 LAP -3.22 LOP 4.60 VP 37.347 GAP -9.58 AZP 85.62 TAL 156.90 TAP 300.46 RCA 99.08 APO 154.12 V2 34.881
 RC 49.103 GL -32.53 GP 18.65 ZAL 59.23 ZAP 25.27 ETS 314.32 ZAE 145.19 ETE 54.84 ZAC 93.01 ETC 16.06 CLP -17.37

PLANETOCENTRIC CONIC

C3 21.840 VML 4.673 DLA -25.16 RAL 155.79 RAD 6567.9 VEL 11.967 PTH 2.13 VMP 6.662 CPA 25.21 RAP 177.54 ECC 1.3594
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 9 14 1300.25 8.12 348.67 21.09 117.22 11 30 54 700.3 11.71 341.82
 90.00 15 3 20 5814.77 26.47 277.64 27.61 100.45 16 40 15 5214.8 27.64 269.17
 100.00 12 7 11 1113.15 6.05 333.80 19.97 119.33 12 25 44 513.2 9.91 327.14
 100.00 16 48 4 5477.10 28.79 253.23 28.04 98.40 18 19 21 4877.1 29.66 244.53
 110.00 12 31 24 1037.20 1.59 325.28 17.20 124.15 12 48 41 437.2 6.06 319.05
 110.00 18 40 21 5125.82 34.00 227.20 28.69 93.73 20 5 47 4525.8 34.15 217.96

DIFFERENTIAL CORRECTIONS

TOE 1.2073 TRA-1.6210 TC3 .3101 BAU .1563
 RDE .2415 RRA -3.814 RC3 .4365 FAU .03993
 FDE-2.5152 FRA 2.1966 FC3-1.5828 BSP 9024
 BDE 1.2312 BRA 1.6653 BC3 .5354 FSP -1166

MID-COURSE EXECUTION ACCURACY

SGT 2663.8 SGR 721.8 SG3 391.7
 RRT .8794 RRF -.9333 RTF -.9545
 SGB 2759.9 R23 -.1690 R13 -.9599
 SGI 2739.6 SG2 334.1 TMA 13.61

ORBIT DETERMINATION ACCURACY

ST 1620.1 SR 334.4 SS 1847.9
 CRT .9975 CRS .9797 CST .9906
 LSA 2474.1 MSA 173.3 SSA 11.2
 EL1 1654.1 EL2 23.2 ALF 11.64

LAUNCH DATE MAY 2 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 354.381
 RL 150.76 LAL .00 LOL 220.92 VL 26.762 GAL 5.87 AZL 95.77 MCA 146.73 SMA 127.08 ECC .21177 INC 5.7684 V1 29.555
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.410 GAP -8.96 AZP 85.17 TAL 156.98 TAP 303.71 RCA 100.16 APO 153.99 V2 34.891
 RC 50.476 GL -34.93 GP 21.20 ZAL 60.51 ZAP 28.48 ETS 314.25 ZAE 142.71 ETE 54.70 ZAC 91.34 ETC 15.70 CLP -19.48

PLANETOCENTRIC CONIC

C3 21.842 VML 4.674 DLA -27.16 RAL 154.25 RAD 6567.9 VEL 11.968 PTH 2.13 VMP 6.401 CPA 27.07 RAP 179.78 ECC 1.3595
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 49 4 1145.59 12.81 339.72 21.48 115.47 12 8 10 545.6 16.13 332.62
 90.00 14 11 14 681.44 24.11 310.44 25.91 105.31 14 22 35 81.4 25.98 302.27
 100.00 12 34 28 998.89 9.81 327.40 19.93 118.38 12 51 7 398.9 13.52 320.58
 100.00 16 8 30 5591.41 27.38 261.43 26.80 102.49 17 41 42 4991.4 28.82 252.92
 110.00 12 46 23 961.48 4.48 321.32 16.69 123.92 13 2 25 361.5 8.90 315.03
 110.00 18 13 5 5201.59 33.51 233.06 28.04 97.17 19 39 46 4601.6 34.14 223.87

DIFFERENTIAL CORRECTIONS

TOE 1.2714 TRA-1.5757 TC3 .3366 BAU .1700
 RDE .3482 RRA -4.198 RC3 .4751 FAU .04182
 FDE-2.8043 FRA 2.2583 FC3-1.6578 BSP 9266
 BDE 1.3182 BRA 1.6307 BC3 .5823 FSP -1269

MID-COURSE EXECUTION ACCURACY

SGT 2691.1 SGR 845.0 SG3 422.4
 RRT .9063 RRF -.9575 RTF -.9578
 SGB 2820.7 R23 -.1775 R13 -.9647
 SGI 2799.7 SG2 343.3 TMA 16.13

ORBIT DETERMINATION ACCURACY

ST 1689.3 SR 461.0 SS 1970.5
 CRT .9997 CRS .9926 CST .9914
 LSA 2630.6 MSA 170.3 SSA 10.2
 EL1 1751.0 EL2 11.2 ALF 15.26

LAUNCH DATE MAY 2 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 361.034

RL 150.76 LAL .00 LOL 220.92 VL 26.830 GAL 5.68 AZL 96.17 MCA 149.91 SMA 127.51 ECC .20664 INC 6.1655 V1 29.555
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.468 GAP -8.35 AZP 84.66 TAL 157.07 TAP 306.98 RCA 101.17 APO 153.86 V2 34.903
 RC 51.950 GL -37.50 GP 24.26 ZAL 61.92 ZAP 32.09 ETS 313.86 ZAE 139.96 ETE 55.18 ZAC 89.63 ETC 15.27 CLP -21.67

PLANETOCENTRIC CONIC

C3 22.184 VHL 4.710 OLA -29.29 RAL 152.55 RAD 6567.9 VEL 11.982 PTH 2.14 VMP 6.182 OPA 29.40 RAP 182.25 ECC 1.3651
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.19 11 48 56 1125.43 19.63 341.38 23.03 112.18 12 7 41 525.4 22.47 333.78
 97.81 13 57 45 709.11 19.65 310.83 23.03 112.17 14 9 34 109.1 22.48 303.23
 100.00 13 24 14 816.62 15.48 316.84 21.09 115.89 13 37 50 216.6 18.84 309.66
 100.00 15 5 8 5781.20 23.91 274.45 24.73 108.50 16 41 30 5181.2 26.21 266.41
 110.00 13 6 0 873.99 7.78 316.70 16.62 123.39 13 20 34 274.0 12.12 310.29
 110.00 17 39 51 5296.59 32.47 240.27 27.32 101.32 19 8 8 4696.6 33.69 231.25

DIFFERENTIAL CORRECTIONS

TDE 1.3561 TRA-1.5211 TC3 .3649 BAU .1874
 ROE .4855 RRA -.4861 RC3 .5159 FAU .04364
 FDE-3.1351 FRA 2.2912 FC3-1.7031 BSP 9710
 BDE 1.4404 BRA 1.5909 BC3 .6319 FSP -1386

MID-COURSE EXECUTION ACCURACY

SGT 2709.3 SGR 1003.8 SG3 451.7
 RRT .9268 RRF -.9737 RTF -.9618
 SGB 2889.3 R23 -.1773 R13 -.9704
 SGI 2867.2 SG2 356.2 TMA 19.26

ORBIT DETERMINATION ACCURACY

ST 1768.2 SR 622.1 SS 2100.6
 CRT .9986 CRS .9973 CST .9926
 LSA 2810.4 MSA 165.6 SSA 9.1
 EL1 1874.2 EL2 30.7 ALF 19.37

LAUNCH DATE MAY 2 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 367.667

RL 150.76 LAL .00 LOL 220.92 VL 26.891 GAL 5.50 AZL 96.65 MCA 153.08 SMA 127.92 ECC .20194 INC 6.6470 V1 29.555
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.523 GAP -7.76 AZP 84.07 TAL 157.17 TAP 310.25 RCA 102.09 APO 153.75 V2 34.914
 RC 53.515 GL -40.28 GP 27.96 ZAL 63.48 ZAP 36.18 ETS 313.20 ZAE 136.82 ETE 56.19 ZAC 87.88 ETC 14.73 CLP -23.96

PLANETOCENTRIC CONIC

C3 22.964 VHL 4.792 OLA -31.57 RAL 150.63 RAD 6567.9 VEL 12.014 PTH 2.14 VMP 6.017 OPA 32.32 RAP 185.07 ECC 1.3779
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.42 10 51 0 1293.67 20.84 354.50 22.33 114.26 11 12 34 693.7 23.94 346.94
 104.58 14 40 24 5845.69 20.86 277.98 22.33 114.25 16 17 50 5245.7 23.95 270.42
 75.42 10 51 0 1293.67 20.84 354.50 22.33 114.26 11 12 34 693.7 23.94 346.94
 104.58 14 40 24 5845.69 20.86 277.98 22.33 114.25 16 17 50 5245.7 23.95 270.42
 110.00 13 34 44 762.19 11.91 310.68 17.33 122.28 13 47 26 162.2 16.09 304.06
 110.00 16 55 51 5425.17 30.36 249.70 26.25 106.52 18 26 16 4825.2 32.32 241.03

DIFFERENTIAL CORRECTIONS

TDE 1.4877 TRA-1.4361 TC3 .4294 BAU .2178
 ROE .6706 RRA -.5149 RC3 .5649 FAU .04626
 FDE-3.5260 FRA 2.2533 FC3-1.7442 BSP 10912
 BDE 1.6318 BRA 1.5257 BC3 .7096 FSP -1561

MID-COURSE EXECUTION ACCURACY

SGT 2719.4 SGR 1207.5 SG3 477.7
 RRT .9457 RRF -.9841 RTF -.9684
 SGB 2975.4 R23 -.1593 R13 -.9781
 SGI 2953.4 SG2 361.5 TMA 23.15

ORBIT DETERMINATION ACCURACY

ST 1878.7 SR 830.7 SS 2246.8
 CRT .9979 CRS .9991 CST .9943
 LSA 3040.4 MSA 153.3 SSA 7.9
 EL1 2053.6 EL2 49.3 ALF 23.82

LAUNCH DATE MAY 2 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 374.294

RL 150.76 LAL .00 LOL 220.92 VL 26.946 GAL 5.34 AZL 97.25 MCA 156.26 SMA 128.29 ECC .19769 INC 7.2471 V1 29.555
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.574 GAP -7.19 AZP 83.36 TAL 157.26 TAP 313.52 RCA 102.93 APO 153.65 V2 34.926
 RC 55.163 GL -43.29 GP 32.44 ZAL 65.21 ZAP 40.83 ETS 312.31 ZAE 133.10 ETE 57.60 ZAC 86.03 ETC 14.01 CLP -26.29

PLANETOCENTRIC CONIC

C3 24.361 VHL 4.936 OLA -34.02 RAL 148.48 RAD 6568.0 VEL 12.072 PTH 2.16 VMP 5.929 OPA 35.90 RAP 188.45 ECC 1.4009
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.30 10 9 17 1410.78 21.91 4.04 21.89 116.70 10 32 47 810.8 25.31 356.55
 109.70 15 4 58 5757.47 21.92 271.76 21.90 116.69 16 40 55 5157.5 25.32 264.27
 70.30 10 9 17 1410.78 21.91 4.04 21.89 116.70 10 32 47 810.8 25.31 356.55
 109.70 15 4 58 5757.47 21.92 271.76 21.90 116.69 16 40 55 5157.5 25.32 264.27
 110.00 14 41 34 5828.81 19.58 276.01 20.59 118.59 16 18 43 5228.8 23.25 268.79
 110.00 15 31 50 5675.48 24.29 266.60 23.14 114.83 17 6 26 5075.5 27.43 258.84

DIFFERENTIAL CORRECTIONS

TDE 1.5271 TRA-1.4669 TC3 .2776 BAU .2035
 ROE .8911 RRA -.6020 RC3 .5598 FAU .04142
 FDE-3.7989 FRA 2.3023 FC3-1.4719 BSP 9354
 BDE 1.7681 BRA 1.5856 BC3 .6248 FSP -1431

MID-COURSE EXECUTION ACCURACY

SGT 2727.4 SGR 1444.4 SG3 488.4
 RRT .9436 RRF -.9900 RTF -.9626
 SGB 3086.3 R23 -.1775 R13 -.9777
 SGI 3056.7 SG2 426.5 TMA 27.12

ORBIT DETERMINATION ACCURACY

ST 1876.9 SR 1065.0 SS 2313.0
 CRT .9955 CRS .9997 CST .9930
 LSA 3158.5 MSA 174.6 SSA 6.9
 EL1 2156.2 EL2 88.3 ALF 29.51

LAUNCH DATE MAY 2 1967

FLIGHT TIME 148.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 380.893

RL 150.76 LAL .00 LOL 220.92 VL 26.996 GAL 5.19 AZL 98.02 MCA 159.43 SMA 128.62 ECC .19384 INC 8.0209 V1 29.555
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.621 GAP -6.63 AZP 82.48 TAL 157.36 TAP 316.79 RCA 103.69 APO 153.55 V2 34.938
 RC 56.885 GL -46.58 GP 37.87 ZAL 67.15 ZAP 46.15 ETS 311.23 ZAE 128.61 ETE 59.26 ZAC 84.07 ETC 13.00 CLP -28.65

PLANETOCENTRIC CONIC

C3 26.675 VHL 5.165 OLA -36.66 RAL 145.98 RAD 6568.1 VEL 12.168 PTH 2.18 VMP 5.952 OPA 40.24 RAP 192.69 ECC 1.4390
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 65.67 9 33 4 1512.03 22.72 12.53 21.73 119.58 9 58 16 912.0 26.48 5.17
 114.33 15 21 13 5701.01 22.74 267.76 21.74 119.57 16 56 14 5101.0 26.49 260.40
 65.67 9 33 4 1512.03 22.72 12.53 21.73 119.58 9 58 16 912.0 26.48 5.17
 114.33 15 21 13 5701.01 22.74 267.76 21.74 119.57 16 56 14 5101.0 26.49 260.40
 65.67 9 33 4 1512.03 22.72 12.53 21.73 119.58 9 58 16 912.0 26.48 5.17
 114.33 15 21 13 5701.01 22.74 267.76 21.74 119.57 16 56 14 5101.0 26.49 260.40

DIFFERENTIAL CORRECTIONS

TDE 1.6987 TRA-1.4083 TC3 .2665 BAU .2243
 ROE 1.2154 RRA -.6744 RC3 .5698 FAU .03945
 FDE-4.1478 FRA 2.1625 FC3-1.2803 BSP 10131
 BDE 2.0887 BRA 1.5614 BC3 .6290 FSP -1471

MID-COURSE EXECUTION ACCURACY

SGT 2724.0 SGR 1741.9 SG3 487.7
 RRT .9525 RRF -.9938 RTF -.9664
 SGB 3233.3 R23 -.1548 R13 -.9838
 SGI 3201.6 SG2 451.5 TMA 32.06

ORBIT DETERMINATION ACCURACY

ST 1973.0 SR 1377.1 SS 2410.9
 CRT .9954 CRS .9999 CST .9942
 LSA 3401.9 MSA 169.8 SSA 5.9
 EL1 2403.6 EL2 108.8 ALF 34.87

LAUNCH DATE MAY 2 1967

FLIGHT TIME 150.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 387.471

RL 150.76 LAL .00 LOL 220.92 VL 27.041 GAL 5.06 AZL 99.06 MCA 162.60 SMA 128.93 ECC .19038 INC 9.0637 V1 29.555
 RP 108.43 LAP -2.70 LOP 23.72 VP 37.665 GAP -6.09 A2P 81.34 TAL 157.45 TAP 320.06 RCA 104.38 APO 153.47 V2 34.951
 RC 58.673 GL -50.19 GP 44.42 ZAL 69.35 ZAP 52.20 ETS 309.96 ZAE 123.10 ETE 60.86 ZAC 81.92 ETC 11.47 CLP -30.89

PLANETOCENTRIC CONIC

C3 30.516 VML 5.524 DLA -39.49 RAL 143.03 RAD 6568.2 VEL 12.324 PTH 2.22 VMP 6.148 DPA 45.34 RAP 198.38 ECC 1.5022
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 61.24 8 59 10 1609.79 23.06 20.79 21.90 122.99 9 26 0 1009.8 27.24 13.66
 118.76 15 31 33 5670.48 23.08 265.47 21.91 122.98 17 6 3 5070.5 27.25 258.34
 61.24 8 59 10 1609.79 -23.06 20.79 21.90 122.99 9 26 0 1009.8 27.24 13.66
 118.76 15 31 33 5670.48 23.08 265.47 21.91 122.98 17 6 3 5070.5 27.25 258.34
 61.24 8 59 10 1609.79 23.06 20.79 21.90 122.99 9 26 0 1009.8 27.24 13.66
 118.76 15 31 33 5670.48 23.08 265.47 21.91 122.98 17 6 3 5070.5 27.25 258.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.9310 TRA-1.3647 TC3 .2227 BAU .2391 SGT 2726.9 SGR 2082.9 SG3 463.3 ST 2077.0 SR 1749.4 SS 2461.1
 RDE 1.6613 RRA -.7481 RC3 .5420 FAU .03432 RRT .9582 RRF -.9959 RTF -.9693 CRT .9955 CRS 1.0000 CST .9951
 FDE -4.4032 FRA 1.9320 FC3 -.9737 BSP 10827 SGB 3431.4 R23 -.1310 R13 -.9887 LSA 3661.0 MSA 167.4 SSA 5.0
 BDE 2.5473 BRA 1.5563 BC3 .5860 FSP -1414 SG1 3397.9 SG2 478.2 THA 37.06 EL1 2712.6 EL2 127.1 ALF 40.08

LAUNCH DATE MAY 2 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 394.023

RL 150.76 LAL .00 LOL 220.92 VL 27.081 GAL 4.95 AZL 100.56 MCA 165.77 SMA 129.20 ECC .18731 INC10.5555 V1 29.555
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.705 GAP -5.56 A2P 79.76 TAL 157.53 TAP 323.30 RCA 105.00 APO 153.40 V2 34.964
 RC 60.521 GL -54.13 GP 52.21 ZAL 71.87 ZAP 58.96 ETS 308.28 ZAE 116.34 ETE 61.83 ZAC 79.54 ETC 8.96 CLP -32.70

PLANETOCENTRIC CONIC

C3 37.198 VML 6.099 DLA -42.48 RAL 139.44 RAD 6568.4 VEL 12.592 PTH 2.28 VMP 6.637 DPA 50.99 RAP 206.55 ECC 1.6122
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 56.90 8 25 46 1712.79 22.56 29.27 22.44 127.00 8 54 19 1112.8 27.21 22.51
 123.10 15 36 22 5667.27 22.58 264.82 22.45 126.99 17 10 49 5067.3 27.23 258.05
 56.90 8 25 46 1712.79 22.56 29.27 22.44 127.00 8 54 19 1112.8 27.21 22.51
 123.10 15 36 22 5667.27 22.58 264.82 22.45 126.99 17 10 49 5067.3 27.23 258.05
 56.90 8 25 46 1712.79 22.56 29.27 22.44 127.00 8 54 19 1112.8 27.21 22.51
 123.10 15 36 22 5667.27 22.58 264.82 22.45 126.99 17 10 49 5067.3 27.23 258.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.3010 TRA-1.3375 TC3 .1620 BAU .2435 SGT 2759.3 SGR 2442.0 SG3 409.4 ST 2221.2 SR 2168.0 SS 2444.6
 RDE 2.2846 RRA -.8003 RC3 .4621 FAU .02604 RRT .9628 RRF -.9971 RTF -.9727 CRT .9959 CRS 1.0000 CST .9960
 FDE -4.4918 FRA 1.5905 FC3 -.6059 BSP 11702 SGB 3684.8 R23 -.1064 R13 -.9925 LSA 3947.5 MSA 165.0 SSA 4.1
 BDE 3.2425 BRA 1.5586 BC3 .4897 FSP -1262 SG1 3650.8 SG2 498.9 THA 41.38 EL1 3100.7 EL2 140.8 ALF 44.30

LAUNCH DATE MAY 2 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 400.541

RL 150.76 LAL .00 LOL 220.92 VL 27.117 GAL 4.85 AZL 102.88 MCA 168.93 SMA 129.44 ECC .18462 INC12.8793 V1 29.555
 RP 108.35 LAP -2.45 LOP 30.11 VP 37.743 GAP -5.04 A2P 77.35 TAL 157.59 TAP 326.51 RCA 105.54 APO 153.34 V2 34.977
 RC 62.420 GL -58.37 GP 61.27 ZAL 74.79 ZAP 66.27 ETS 305.23 ZAE 108.15 ETE 60.81 ZAC 76.83 ETC 4.18 CLP -33.14

PLANETOCENTRIC CONIC

C3 50.030 VML 7.073 DLA -45.48 RAL 134.99 RAD 6568.8 VEL 13.092 PTH 2.39 VMP 7.668 DPA 56.52 RAP 219.00 ECC 1.8234
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.79 7 51 50 1830.24 20.59 38.14 23.30 131.50 8 22 20 1230.2 25.76 31.92
 127.21 15 34 46 5698.97 20.60 265.94 23.31 131.50 17 9 45 5099.0 25.77 259.71
 52.79 7 51 50 1830.24 20.59 38.14 23.30 131.50 8 22 20 1230.2 25.76 31.92
 127.21 15 34 46 5698.97 20.60 265.94 23.31 131.50 17 9 45 5099.0 25.77 259.71
 52.79 7 51 50 1830.24 20.59 38.14 23.30 131.50 8 22 20 1230.2 25.76 31.92
 127.21 15 34 46 5698.97 20.60 265.94 23.31 131.50 17 9 45 5099.0 25.77 259.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.9984 TRA-1.3560 TC3 .0862 BAU .2172 SGT 2892.9 SGR 2734.0 SG3 326.0 ST 2473.9 SR 2555.4 SS 2336.9
 RDE 3.1367 RRA -.7852 RC3 .3131 FAU .01466 RRT .9668 RRF -.9974 RTF -.9779 CRT .9964 CRS 1.0000 CST .9971
 FDE -4.3259 FRA 1.1708 FC3 -.2537 BSP 12604 SGB 3980.4 R23 -.0832 R13 -.9954 LSA 4252.6 MSA 162.8 SSA 3.2
 BDE 4.3393 BRA 1.5669 BC3 .3248 FSP -1002 SG1 3947.3 SG2 512.1 THA 43.33 EL1 3553.5 EL2 150.2 ALF 45.93

LAUNCH DATE MAY 2 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 407.004

RL 150.76 LAL .00 LOL 220.92 VL 27.148 GAL 4.78 AZL 107.02 MCA 172.05 SMA 129.66 ECC .18233 INC17.0152 V1 29.555
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.778 GAP -4.55 A2P 73.14 TAL 157.60 TAP 329.65 RCA 106.02 APO 153.30 V2 34.990
 RC 64.367 GL -62.57 GP 71.45 ZAL 78.20 ZAP 73.74 ETS 295.56 ZAE 98.30 ETE 52.24 ZAC 73.50 ETC 351.50 CLP -28.33

PLANETOCENTRIC CONIC

C3 79.553 VML 8.919 DLA -48.03 RAL 129.44 RAD 6569.6 VEL 14.174 PTH 2.58 VMP 9.867 DPA 60.28 RAP 238.12 ECC 2.3092
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.43 7 17 43 1972.06 16.14 47.15 24.34 135.88 7 50 35 1372.1 21.79 41.57
 130.57 15 24 36 5780.38 16.15 269.20 24.36 135.88 17 0 57 5180.4 21.80 263.62
 49.43 7 17 43 1972.06 16.14 47.15 24.34 135.88 7 50 35 1372.1 21.79 41.57
 130.57 15 24 36 5780.38 16.15 269.20 24.36 135.88 17 0 57 5180.4 21.80 263.62
 49.43 7 17 43 1972.06 16.14 47.15 24.34 135.88 7 50 35 1372.1 21.79 41.57
 130.57 15 24 36 5780.38 16.15 269.20 24.36 135.88 17 0 57 5180.4 21.80 263.62

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 4.7691 TRA-1.4936 TC3 -.0043 BAU .1169 SGT 3382.9 SGR 2624.4 SG3 225.4 ST 3093.7 SR 2573.4 SS 2145.7
 RDE 3.9992 RRA -.5196 RC3 .1098 FAU .00160 RRT .9670 RRF -.9942 RTF -.9873 CRT .9967 CRS .9996 CST .9986
 FDE -3.9038 FRA .7488 FC3 -.0174 BSP 13467 SGB 4281.6 R23 -.0594 R13 -.9976 LSA 4557.4 MSA 165.6 SSA 2.2
 BDE 6.2240 BRA 1.5814 BC3 .1099 FSP -685 SG1 4248.3 SG2 532.5 THA 37.57 EL1 4020.9 EL2 161.0 ALF 39.74

LAUNCH DATE MAY 2 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 413.340

RL 150.76 LAL .00 LOL 220.92 VL 27.176 GAL 4.74 AZL 116.33 MCA 175.09 SMA 129.85 ECC .18050 INC26.3296 V1 29.555
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.810 GAP -4.09 AZP 63.75 TAL 157.52 TAP 332.60 RCA 106.41 APO 153.28 V2 35.003
 RC 66.356 GL -65.09 GP 80.60 ZAL 82.16 ZAP 80.75 ETS 238.43 ZAE 85.74 ETE 355.37 ZAC 68.51 ETC 289.43 CLP 10.45

PLANETOCENTRIC CONIC

C3 175.415 VHL 13.244 CLA -48.40 RAL 123.26 RAD 6570.9 VEL 17.226 PTH 2.94 VMP 15.330 DPA 58.75 RAP 263.94 ECC 3.8869
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 48.95 6 51 25 2134.01 8.35 54.48 25.75 137.86 7 26 59 1534.0 14.24 49.36
 131.05 15 1 34 646.28 8.37 297.83 25.77 137.85 15 12 20 46.3 14.25 292.72
 48.95 6 51 25 2134.01 8.35 54.48 25.75 137.86 7 26 59 1534.0 14.24 49.36
 131.05 15 1 34 646.28 8.37 297.83 25.77 137.85 15 12 20 46.3 14.25 292.72
 48.95 6 51 25 2134.01 8.35 54.48 25.75 137.86 7 26 59 1534.0 14.24 49.36
 131.05 15 1 34 646.28 8.37 297.83 25.77 137.85 15 12 20 46.3 14.25 292.72

DIFFERENTIAL CORRECTIONS

TOE10.0062 TRA-1.1696 TC3 -.1579 BAU .4064
 ROE -.8441 RRA 1.2691 RC3 .0713 FAU-.01341
 FDE-3.4669 FRA .4553 FC3 .0662 BSP 14070
 BOE10.0417 BRA 1.7259 BC3 .1733 FSP -400

MID-COURSE EXECUTION ACCURACY

SGT 4415.1 SGR 923.5 SG3 133.0
 RRT -.5616 RRF .5813 RTF -.9996
 SGB 4510.7 R23 -.0034 R13 .9999
 SG1 4446.4 SG2 758.8 TMA 173.10

ORBIT DETERMINATION ACCURACY

ST 4334.7 SR 441.5 SS 1990.0
 CRT -.8556 CRS -.8590 CST 1.0000
 LSA 4784.7 MSA 227.7 SSA 1.1
 EL1 4351.2 EL2 227.7 ALF 175.01

LAUNCH DATE MAY 2 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 419.088

RL 150.76 LAL .00 LOL 220.92 VL 27.199 GAL 4.81 AZL 149.29 MCA 177.64 SMA 130.01 ECC .17979 INC59.2909 V1 29.555
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.839 GAP -3.79 AZP 30.73 TAL 157.01 TAP 334.65 RCA 106.64 APO 153.39 V2 35.016
 RC 68.382 GL -55.83 GP 65.46 ZAL 86.25 ZAP 86.25 ETS 182.89 ZAE 63.27 ETE 301.81 ZAC 56.47 ETC 222.53 CLP 80.95

PLANETOCENTRIC CONIC

C3 793.242 VHL 28.165 CLA -37.48 RAL 121.51 RAD 6572.8 VEL 30.241 PTH 3.45 VMP 34.630 DPA 42.08 RAP 290.78 ECC14.0548
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 64.35 7 48 33 2119.03 .22 45.66 31.20 127.48 8 23 52 1519.0 5.08 39.72
 115.65 13 50 31 979.38 .24 319.70 31.22 127.48 14 6 51 379.4 5.10 313.75
 64.35 7 48 33 2119.03 .22 45.66 31.20 127.48 8 23 52 1519.0 5.08 39.72
 115.65 13 50 31 979.38 .24 319.70 31.22 127.48 14 6 51 379.4 5.10 313.75
 64.35 7 48 33 2119.03 .22 45.66 31.20 127.48 8 23 52 1519.0 5.08 39.72
 115.65 13 50 31 979.38 .24 319.70 31.22 127.48 14 6 51 379.4 5.10 313.75

DIFFERENTIAL CORRECTIONS

TOE 8.3811 TRA 1.1580 TC3 -.1243 BAU 3.3550
 RO-16.6671 RRA 3.4041 RC3 .2909 FAU-.05966
 FDE-3.9501 FRA .6867 FC3 .0651 BSP 12291
 BOE18.6557 BRA 3.5957 BC3 .3164 FSP -223

MID-COURSE EXECUTION ACCURACY

SGT 1866.9 SGR 3865.7 SG3 77.8
 RRT -.9241 RRF .9993 RTF -.9364
 SGB 4292.9 R23 -.0362 R13 .9992
 SG1 4243.4 SG2 649.8 TMA 114.67

ORBIT DETERMINATION ACCURACY

ST 1707.4 SR 3401.1 SS 2409.8
 CRT -.9917 CRS -.9999 CST .9931
 LSA 4500.0 MSA 199.1 SSA 1.3
 EL1 3800.5 EL2 196.9 ALF 116.54

LAUNCH DATE MAY 2 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 427.812

RL 150.76 LAL .00 LOL 220.92 VL 27.220 GAL 4.37 AZL 46.82 MCA 182.74 SMA 130.15 ECC .17529 INC43.1830 V1 29.555
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.866 GAP -2.75 AZP 133.15 TAL 158.62 TAP 341.36 RCA 107.34 APO 152.97 V2 35.029
 RC 70.443 GL -61.95 GP -71.90 ZAL 85.54 ZAP 86.83 ETS 161.61 ZAE 80.86 ETE 49.01 ZAC 89.65 ETC 117.27 CLP 79.76

PLANETOCENTRIC CONIC

C3 442.923 VHL 21.046 CLA 68.26 RAL 191.88 RAD 6572.2 VEL 23.753 PTH 3.30 VMP 28.614 DPA -78.96 RAP 54.06 ECC 8.2894
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 24.88 22 18 48 5022.24 -3.00 244.87 100.69 21.77 23 42 30 4422.2 -10.43 242.28
 155.12 8 41 40 3280.52 -2.99 96.96 100.67 21.77 9 36 21 2680.5 -10.42 94.37
 24.88 22 18 48 5022.24 -3.00 244.87 100.69 21.77 23 42 30 4422.2 -10.43 242.28
 155.12 8 41 40 3280.52 -2.99 96.96 100.67 21.77 9 36 21 2680.5 -10.42 94.37
 24.88 22 18 48 5022.24 -3.00 244.87 100.69 21.77 23 42 30 4422.2 -10.43 242.28
 155.12 8 41 40 3280.52 -2.99 96.96 100.67 21.77 9 36 21 2680.5 -10.42 94.37

DIFFERENTIAL CORRECTIONS

TOE-2.0580 TRA-3.2433 TC3 -.1738 BAU 1.7921
 ROE .9286 RRA-5.0504 RC3 -.2478 FAU-.03170
 FDE -.0038 FRA 1.2721 FC3 .0620 BSP 13798
 BOE 2.2578 BRA 6.0021 BC3 .3026 FSP -257

MID-COURSE EXECUTION ACCURACY

SGT 2555.6 SGR 3863.9 SG3 83.9
 RRT .9590 RRF -.9979 RTF -.9751
 SGB 4632.6 R23 -.0221 R13 -.9997
 SG1 4592.3 SG2 609.7 TMA 56.96

ORBIT DETERMINATION ACCURACY

ST 908.7 SR 1142.3 SS 693.7
 CRT .6313 CRS .9760 CST .7850
 LSA 1497.2 MSA 608.6 SSA .5
 EL1 1327.8 EL2 606.3 ALF 55.04

LAUNCH DATE MAY 2 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 433.735

RL 150.76 LAL .00 LOL 220.92 VL 27.237 GAL 4.43 AZL 71.75 MCA 185.48 SMA 130.27 ECC .17483 INC18.2466 V1 29.555
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.890 GAP -2.41 AZP 108.17 TAL 158.20 TAP 343.67 RCA 107.49 APO 153.05 V2 35.042
 RC 72.534 GL -64.18 GP -84.20 ZAL 79.83 ZAP 84.32 ETS 108.94 ZAE 98.90 ETE 311.69 ZAC 100.52 ETC 22.66 CLP -11.54

PLANETOCENTRIC CONIC

C3 89.225 VHL 9.446 CLA 64.10 RAL 205.51 RAD 6569.7 VEL 14.511 PTH 2.63 VMP 13.699 DPA -67.64 RAP 111.65 ECC 2.4684
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 29.75 23 24 11 4756.58 -18.10 235.29 106.39 27.36 24 43 27 4156.6 -25.16 231.65
 150.25 9 25 3 3047.64 -18.09 92.76 106.37 27.35 10 15 51 2447.6 -25.15 89.13
 29.75 23 24 11 4756.58 -18.10 235.29 106.39 27.36 24 43 27 4156.6 -25.16 231.65
 150.25 9 25 3 3047.64 -18.09 92.76 106.37 27.35 10 15 51 2447.6 -25.15 89.13
 29.75 23 24 11 4756.58 -18.10 235.29 106.39 27.36 24 43 27 4156.6 -25.16 231.65
 150.25 9 25 3 3047.64 -18.09 92.76 106.37 27.35 10 15 51 2447.6 -25.15 89.13

DIFFERENTIAL CORRECTIONS

TOE 1.8899 TRA-2.3241 TC3 -.0305 BAU .0810
 ROE -.4143 RRA 2.5358 RC3 -.0806 FAU .00254
 FDE -.6136 FRA 1.2055 FC3 -.0246 BSP 15099
 BOE 1.9348 BRA 3.4397 BC3 .0679 FSP -468

MID-COURSE EXECUTION ACCURACY

SGT 3425.6 SGR 3532.4 SG3 148.2
 RRT -.9626 RRF .9891 RTF -.9915
 SGB 4920.7 R23 .0131 R13 .9997
 SG1 4874.5 SG2 672.8 TMA 134.09

ORBIT DETERMINATION ACCURACY

ST 1500.6 SR 1086.0 SS 739.9
 CRT -.8045 CRS -.9194 CST .9733
 LSA 1918.1 MSA 547.2 SSA 1.2
 EL1 1769.8 EL2 546.9 ALF 146.12

LAUNCH DATE MAY 2 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 440.031

RL 150.76 LAL .00 LOL 220.92 VL 27.251 GAL 4.44 AZL 79.55 MCA 188.55 SMA 130.37 ECC .17414 INC10.4535 V1 29.555
 RP 108.10 LAP -1.55 LOP 49.32 VP 37.912 GAP -1.98 AZP 100.34 TAL 158.04 TAP 346.58 RCA 107.66 APO 153.07 V2 35.056
 RC 74.652 GL 56.28 GP -76.49 ZAL 73.61 ZAP 83.15 ETS 29.26 ZAE 108.76 ETE 282.50 ZAC 105.09 ETC 357.39 CLP -59.31

PLANETOCENTRIC CONIC

C3 35.128 VHL 5.927 OLA 56.43 RAL 197.80 RAD 6568.4 VEL 12.510 PTH 2.26 VMP 9.006 OPA -58.90 RAP 123.57 ECC 1.5781
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 38.91 23 16 32 4487.73 -29.04 218.14 86.20 39.23 24 31 19 3887.7 -35.10 212.38
 141.09 8 31 14 2863.39 -29.03 86.84 86.18 39.22 9 18 57 2263.4 -35.08 81.08
 38.91 23 16 32 4487.73 -29.04 218.14 86.20 39.23 24 31 19 3887.7 -35.10 212.38
 141.09 8 31 14 2863.39 -29.03 86.84 86.18 39.22 9 18 57 2263.4 -35.08 81.08
 38.91 23 16 32 4487.73 -29.04 218.14 86.20 39.23 24 31 19 3887.7 -35.10 212.38
 141.09 8 31 14 2863.39 -29.03 86.84 86.18 39.22 9 18 57 2263.4 -35.08 81.08

DIFFERENTIAL CORRECTIONS

TDE .7429 TRA -.5769 TC3 .0019 BAU .3349
 ROE -.4761 RRA 2.6602 RC3 -.7130 FAU .02010
 FDE -.4395 FRA 1.6593 FC3 -.4953 BSP 15210
 BDE .8823 BRA 2.7220 BC3 .7130 FSP -822

MID-COURSE EXECUTION ACCURACY

SGT 1238.3 SGR 4749.8 SG3 258.4
 RRT -.8543 RRF .9988 RTF -.8731
 SGB 4908.6 R23 .0091 R13 .9995
 SGI 4868.2 SG2 628.0 TMA 102.77

ORBIT DETERMINATION ACCURACY

ST 779.3 SR 1469.6 SS 753.8
 CRT -.6574 CRS -.9908 CST .7531
 LSA 1741.5 MSA 549.7 SSA 2.1
 EL1 1569.9 EL2 549.7 ALF 112.06

LAUNCH DATE MAY 2 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 446.394

RL 150.76 LAL .00 LOL 220.92 VL 27.262 GAL 4.45 AZL 83.21 MCA 191.70 SMA 130.44 ECC .17359 INC 6.7915 V1 29.555
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.932 GAP -1.53 AZP 96.65 TAL 157.90 TAP 349.60 RCA 107.80 APO 153.09 V2 35.069
 RC 76.795 GL 46.38 GP -69.27 ZAL 67.80 ZAP 83.46 ETS 18.37 ZAE 116.01 ETE 273.41 ZAC 108.28 ETC 352.60 CLP -71.24

PLANETOCENTRIC CONIC

C3 19.712 VHL 4.440 OLA 47.67 RAL 189.82 RAD 6567.8 VEL 11.878 PTH 2.11 VMP 6.870 OPA -51.91 RAP 129.02 ECC 1.3244
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.90 23 18 23 4268.49 -31.72 197.95 65.57 52.35 24 29 32 3668.5 -36.37 190.51
 150.10 7 25 42 2797.42 -31.71 82.91 65.55 52.34 8 12 19 2197.4 -36.36 75.47
 49.90 23 18 23 4268.49 -31.72 197.95 65.57 52.35 24 29 32 3668.5 -36.37 190.51
 150.10 7 25 42 2797.42 -31.71 82.91 65.55 52.34 8 12 19 2197.4 -36.36 75.47
 49.90 23 18 23 4268.49 -31.72 197.95 65.57 52.35 24 29 32 3668.5 -36.37 190.51
 150.10 7 25 42 2797.42 -31.71 82.91 65.55 52.34 8 12 19 2197.4 -36.36 75.47

DIFFERENTIAL CORRECTIONS

TDE .4180 TRA -.1354 TC3 -.1951 BAU .4151
 ROE -.2487 RRA 2.3785 RC3 -1.5629 FAU .03727
 FDE -.3560 FRA 2.2686 FC3 -1.6367 BSP 15030
 BDE .4864 BRA 2.3823 BC3 1.5750 FSP -1274

MID-COURSE EXECUTION ACCURACY

SGT 623.2 SGR 4775.3 SG3 398.0
 RRT -.3747 RRF .9991 RTF -.3915
 SGB 4815.8 R23 .0124 R13 .9992
 SGI 4781.1 SG2 577.1 TMA 92.84

ORBIT DETERMINATION ACCURACY

ST 545.1 SR 1405.1 SS 821.2
 CRT -.3647 CRS -.9942 CST .4630
 LSA 1641.0 MSA 503.1 SSA 3.1
 EL1 1421.2 EL2 501.8 ALF 99.21

LAUNCH DATE MAY 2 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 452.770

RL 150.76 LAL .00 LOL 220.92 VL 27.270 GAL 4.47 AZL 85.33 MCA 194.87 SMA 130.50 ECC .17326 INC 4.6701 V1 29.555
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.950 GAP -1.09 AZP 94.51 TAL 157.76 TAP 352.63 RCA 107.89 APO 153.11 V2 35.082
 RC 78.958 GL 36.63 GP -63.17 ZAL 62.97 ZAP 85.06 ETS 10.97 ZAE 121.78 ETE 266.83 ZAC 111.07 ETC 350.86 CLP -79.01

PLANETOCENTRIC CONIC

C3 13.768 VHL 3.710 OLA 38.89 RAL 183.81 RAD 6567.5 VEL 11.626 PTH 2.04 VMP 5.690 OPA -45.82 RAP 131.87 ECC 1.2266
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.15 23 44 20 4051.94 -29.17 176.82 50.04 63.05 24 51 52 3451.9 -32.53 168.78
 117.85 6 11 48 2849.90 -29.16 85.70 50.03 63.04 6 59 18 2249.9 -32.52 77.65
 62.15 23 44 20 4051.94 -29.17 176.82 50.04 63.05 24 51 52 3451.9 -32.53 168.78
 117.85 6 11 48 2849.90 -29.16 85.70 50.03 63.04 6 59 18 2249.9 -32.52 77.65
 62.15 23 44 20 4051.94 -29.17 176.82 50.04 63.05 24 51 52 3451.9 -32.53 168.78
 117.85 6 11 48 2849.90 -29.16 85.70 50.03 63.04 6 59 18 2249.9 -32.52 77.65

DIFFERENTIAL CORRECTIONS

TDE .7224 TRA .1310 TC3 -.5770 BAU .4411
 ROE -.2219 RRA 2.1684 RC3 -2.3261 FAU .05423
 FDE -.4428 FRA 2.9307 FC3 -3.4101 BSP 14643
 BDE .3514 BRA 2.1724 BC3 2.3966 FSP -1767

MID-COURSE EXECUTION ACCURACY

SGT 654.1 SGR 4648.0 SG3 551.0
 RRT .5634 RRF .9990 RTF .5530
 SGB 4693.8 R23 .0212 R13 .9989
 SGI 4662.8 SG2 538.7 TMA 85.41

ORBIT DETERMINATION ACCURACY

ST 428.0 SR 1336.3 SS 921.8
 CRT -.0750 CRS -.9935 CST .1877
 LSA 1621.9 MSA 433.8 SSA 4.3
 EL1 1336.7 EL2 426.7 ALF 91.53

LAUNCH DATE MAY 2 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 459.142

RL 150.76 LAL .00 LOL 220.92 VL 27.276 GAL 4.49 AZL 86.72 MCA 198.07 SMA 130.54 ECC .17316 INC 3.2828 V1 29.555
 RP 107.98 LAP -1.02 LOP 58.95 VP 37.966 GAP -.64 AZP 93.12 TAL 157.59 TAP 355.66 RCA 107.94 APO 153.15 V2 35.094
 RC 81.139 GL 27.87 GP -57.84 ZAL 59.32 ZAP 87.71 ETS 4.98 ZAE 126.46 ETE 260.50 ZAC 113.75 ETC 350.06 CLP -85.70

PLANETOCENTRIC CONIC

C3 11.094 VHL 3.331 OLA 30.86 RAL 179.48 RAD 6567.4 VEL 11.510 PTH 2.00 VMP 4.967 OPA -40.33 RAP 133.32 ECC 1.1826
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.18 1 0 36 3733.51 -24.54 149.67 39.69 70.67 2 2 49 3133.5 -26.95 141.62
 102.82 4 24 53 3076.58 -24.53 101.20 39.68 70.65 5 16 9 2476.6 -26.94 93.15
 77.18 1 0 36 3733.51 -24.54 149.67 39.69 70.67 2 2 49 3133.5 -26.95 141.62
 102.82 4 24 53 3076.58 -24.53 101.20 39.68 70.65 5 16 9 2476.6 -26.94 93.15
 110.00 7 5 30 2575.46 -33.35 65.48 42.13 82.03 7 48 25 1975.5 -34.09 56.32
 110.00 3 19 9 3282.63 -16.30 112.74 35.61 59.53 4 13 52 2882.6 -20.22 105.82

DIFFERENTIAL CORRECTIONS

TDE .1633 TRA .3536 TC3 -1.0856 BAU .4517
 ROE -.2741 RRA 1.9919 RC3 -2.8452 FAU .07031
 FDE -.6827 FRA 3.5771 FC3 -5.4872 BSP 14260
 BDE .3191 BRA 2.0230 BC3 3.0453 FSP -2266

MID-COURSE EXECUTION ACCURACY

SGT 1050.8 SGR 4443.9 SG3 702.6
 RRT .8710 RRF .9989 RTF .8653
 SGB 4566.5 R23 .0328 R13 .9984
 SGI 4538.4 SG2 505.5 TMA 78.21

ORBIT DETERMINATION ACCURACY

ST 353.0 SR 1288.3 SS 1052.7
 CRT .2714 CRS -.9922 CST -.1498
 LSA 1662.5 MSA 358.3 SSA 5.7
 EL1 1292.1 EL2 338.7 ALF 85.43

LAUNCH DATE MAY 2 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 465.503

RL 150.76 LAL .00 LOL 220.92 VL 27.279 GAL 4.53 AZL 87.70 MCA 201.27 SMA 130.56 ECC .17328 INC 2.3003 VI 29.555
 RP 107.94 LAP -.83 LOP 62.17 VP 37.980 GAP -.20 AZP 92.14 TAL 157.39 TAP 358.66 RCA 107.94 APO 153.19 V2 35.107
 RC 83.336 GL 20.40 GP -53.06 ZAL 56.71 ZAP 91.15 ETS 359.93 ZAE 130.18 ETE 253.91 ZAC 116.37 ETC 349.75 CLP -91.92

PLANETOCENTRIC CONIC

C3 9.809 VML 3.132 OLA 23.90 RAL 176.34 RAD 6567.4 VEL 11.454 PTH 1.99 VMP 4.500 OPA -35.28 RAP 133.96 ECC 1.1614
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 48 31 2919.94 -28.28 90.59 34.34 88.42 5 37 11 2319.9 -28.20 81.93
 90.00 0 11 57 3840.45 -11.30 151.65 29.91 63.86 1 15 57 3240.4 -14.72 144.64
 100.00 6 29 23 2594.71 -29.88 66.68 34.36 90.77 7 12 38 1994.7 -29.46 57.90
 100.00 1 13 45 3640.91 -9.87 136.24 29.16 61.64 2 14 26 3040.9 -13.58 129.41
 110.00 8 16 21 2260.07 -33.64 40.98 34.08 96.45 8 54 1 1660.1 -32.38 31.98
 110.00 1 43 17 3548.32 -6.64 127.26 27.20 56.39 2 42 25 2948.3 -11.01 120.90

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .0544 TRA .9605 TC3-1.6452 BAU .4582 SGT 1526.4 SGR 4189.2 SG3 841.0 ST 352.2 SR 1264.1 SS 1216.3
 ROE -.3394 RRA 1.8318 RC3-3.0824 FAU .08454 RRT .9445 RRF .9986 RTF .9404 CRT .6964 CRS -.9916 CST -.5976
 FDE -1.0259 FRA 4.1825 FC3-7.4612 BSP 13915 SGB 4458.6 R23 .0456 R13 .9976 LSA 1765.8 MSA 288.6 SSA 7.2
 BOE .3437 BRA 1.9157 BC3 3.4940 FSP -2731 SG1 4433.3 SG2 474.0 TMA 70.78 EL1 1288.7 EL2 248.0 ALF 78.59

LAUNCH DATE MAY 2 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 471.849

RL 150.76 LAL .00 LOL 220.92 VL 27.280 GAL 4.59 AZL 88.44 MCA 204.48 SMA 130.57 ECC .17364 INC 1.5644 VI 29.555
 RP 107.91 LAP -.65 LOP 65.38 VP 37.992 GAP .24 AZP 91.42 TAL 157.16 TAP 1.64 RCA 107.90 APO 153.24 V2 35.119
 RC 85.546 GL 14.16 GP -48.69 ZAL 54.91 ZAP 95.16 ETS 355.67 ZAE 133.02 ETE 247.00 ZAC 118.92 ETC 349.83 CLP -97.83

PLANETOCENTRIC CONIC

C3 9.206 VML 3.034 OLA 18.02 RAL 174.06 RAD 6567.3 VEL 11.428 PTH 1.98 VMP 4.194 OPA -30.59 RAP 134.11 ECC 1.1515
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 51 56 2843.82 -27.15 70.52 29.02 98.38 6 36 0 2043.8 -25.71 62.15
 90.00 22 46 21 4091.68 -3.45 165.93 24.78 61.88 23 54 33 3491.7 -7.19 159.24
 100.00 7 23 57 2347.11 -28.26 48.49 28.82 100.18 8 3 4 1747.1 -26.56 40.10
 100.00 0 0 58 3863.62 -2.47 148.62 24.23 60.20 1 5 21 3263.6 -6.42 142.06
 110.00 8 55 31 2060.60 -31.10 26.01 28.09 104.96 9 29 52 1460.6 -28.74 17.60
 110.00 0 45 53 3722.89 .00 136.41 22.69 55.82 1 47 56 3122.9 -4.48 130.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0636 TRA .7589 TC3-2.1916 BAU .4654 SGT 2013.5 SGR 3898.4 SG3 957.0 ST 469.5 SR 1247.1 SS 1398.3
 ROE -.3921 RRA 1.6817 RC3-3.0814 FAU .09603 RRT .9693 RRF .9983 RTF .9660 CRT .9293 CRS -.9914 CST -.8732
 FDE -1.4182 FRA 4.6558 FC3-9.0306 BSP 13647 SGB 4387.7 R23 .0581 R13 .9966 LSA 1917.3 MSA 233.8 SSA 9.0
 BOE .3973 BRA 1.8450 BC3 3.7813 FSP -3127 SG1 4365.3 SG2 442.1 TMA 63.11 EL1 1322.5 EL2 163.5 ALF 70.41

LAUNCH DATE MAY 2 1967

FLIGHT TIME 178.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 478.180

RL 150.76 LAL .00 LOL 220.92 VL 27.279 GAL 4.65 AZL 89.01 MCA 207.69 SMA 130.57 ECC .17422 INC .9895 VI 29.555
 RP 107.87 LAP -.46 LOP 68.60 VP 38.003 GAP .68 AZP 90.88 TAL 156.89 TAP 4.58 RCA 107.82 APO 153.31 V2 35.131
 RC 87.767 GL 9.02 GP -44.65 ZAL 53.64 ZAP 99.53 ETS 352.10 ZAE 135.00 ETE 239.92 ZAC 121.35 ETC 350.26 CLP -103.45

PLANETOCENTRIC CONIC

C3 8.975 VML 2.996 OLA 13.11 RAL 172.39 RAD 6567.3 VEL 11.418 PTH 1.98 VMP 3.997 OPA -26.24 RAP 133.99 ECC 1.1477
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 31 20 2460.43 -24.68 57.68 25.28 104.35 7 12 20 1860.4 -22.46 49.71
 90.00 21 53 40 4265.26 2.14 175.62 21.98 61.76 23 4 45 3665.3 -1.65 168.99
 100.00 7 59 29 2176.11 -25.61 36.48 25.00 105.96 8 35 45 1576.1 -23.18 28.53
 100.00 23 8 11 4024.81 2.99 157.47 21.51 60.24 24 15 16 3424.8 -.99 150.95
 110.00 9 23 4 1914.57 -28.08 15.72 24.10 110.35 9 54 59 1314.6 -25.05 7.85
 110.00 0 5 1 3859.11 5.20 143.53 20.14 56.17 1 9 21 3259.1 .72 137.31

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.1915 TRA .9508 TC3-2.6834 BAU .4753 SGT 2491.0 SGR 3585.6 SG3 1044.9 ST 671.0 SR 1218.9 SS 1577.8
 ROE -.4246 RRA 1.5404 RC3-2.9136 FAU .10414 RRT .9799 RRF .9978 RTF .9770 CRT .9882 CRS -.9912 CST -.9597
 FDE -1.8127 FRA 5.0415 FC-10.0459 BSP 13484 SGB 4366.0 R23 .0686 R13 .9955 LSA 2094.5 MSA 195.7 SSA 10.8
 BOE .4658 BRA 1.8102 BC3 3.9610 FSP -3423 SG1 4346.6 SG2 410.4 TMA 55.40 EL1 1388.4 EL2 90.0 ALF 61.32

LAUNCH DATE MAY 2 1967

FLIGHT TIME 180.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 484.492

RL 150.76 LAL .00 LOL 220.92 VL 27.276 GAL 4.74 AZL 89.47 MCA 210.91 SMA 130.54 ECC .17503 INC .5255 VI 29.555
 RP 107.83 LAP -.27 LOP 71.82 VP 38.011 GAP 1.11 AZP 90.45 TAL 156.59 TAP 7.50 RCA 107.70 APO 153.39 V2 35.143
 RC 89.996 GL 4.78 GP -40.91 ZAL 52.71 ZAP 104.08 ETS 349.15 ZAE 136.18 ETE 232.91 ZAC 123.57 ETC 351.05 CLP -108.78

PLANETOCENTRIC CONIC

C3 8.969 VML 2.995 OLA 9.00 RAL 171.18 RAD 6567.3 VEL 11.417 PTH 1.98 VMP 3.881 OPA -22.20 RAP 133.76 ECC 1.1476
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 0 29 2323.54 -22.05 48.50 22.85 108.22 7 39 13 1723.5 -19.36 40.87
 90.00 21 14 54 4401.88 6.51 183.29 20.50 62.38 22 28 16 3801.9 2.76 176.62
 100.00 8 26 13 2047.02 -22.91 27.85 22.53 109.74 9 0 20 1447.0 -20.01 20.25
 100.00 22 31 51 4153.63 7.31 164.60 20.07 60.93 23 41 4 3553.6 3.38 158.02
 110.00 9 44 28 1802.16 -25.19 8.26 21.53 113.91 10 14 30 1202.2 -21.74 .80
 110.00 23 30 5 3971.25 9.41 149.49 18.79 56.98 24 36 17 3371.3 4.99 143.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.3284 TRA 1.1347 TC3-3.1035 BAU .4905 SGT 2946.4 SGR 3264.0 SG3 1102.4 ST 912.5 SR 1173.6 SS 1743.3
 ROE -.4402 RRA 1.4040 RC3-2.6653 FAU .10936 RRT .9851 RRF .9971 RTF .9826 CRT .9980 CRS -.9909 CST -.9844
 FDE -2.1876 FRA 5.2978 FC-10.5567 BSP 13561 SGB 4397.1 R23 .0756 R13 .9942 LSA 2284.5 MSA 172.9 SSA 12.2
 BOE .5492 BRA 1.8052 BC3 4.0909 FSP -3642 SG1 4380.9 SG2 377.0 TMA 47.97 EL1 1486.2 EL2 32.3 ALF 52.14

LAUNCH DATE MAY 2 1967

FLIGHT TIME 182.00

ARRIVAL DATE OCT 31 1967

MELIOCENTRIC CONIC
 RL 150.76 LAL .00 LOL 220.92 VL 27.271 GAL 4.83 AZL 89.86 MCA 214.13 SMA 130.51 ECC .17605 INC .1395 V1 29.555
 RP 107.80 LAP -.08 LOP 75.04 VP 38.018 GAP 1.55 AZP 90.12 TAL 156.25 TAP 10.38 RCA 107.53 APO 153.49 V2 35.154
 RC 92.232 GL 1.27 GP -37.46 ZAL 51.98 ZAP 108.67 ETS 346.74 ZAE 136.67 ETE 226.23 ZAC 125.54 ETC 352.14 CLP-113.78

PLANETOCENTRIC CONIC
 C3 9.111 VML 3.018 DLA 5.54 RAL 170.34 RAD 6567.3 VEL 11.424 PTH 1.98 VMP 3.826 OPA -18.49 RAP 133.51 ECC 1.1499
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 23 54 2216.38 -19.61 41.60 21.36 110.84 8 0 50 1616.4 -16.60 34.21
 90.00 20 44 44 4515.10 10.03 189.75 19.87 63.38 22 0 0 3915.1 6.37 182.97
 100.00 8 47 52 1945.56 -20.43 21.33 21.01 112.31 9 20 17 1345.6 -17.23 14.00
 100.00 22 3 28 4261.16 10.81 170.66 19.46 61.96 23 14 29 3661.2 6.98 163.97
 110.00 10 2 6 1713.20 -22.61 2.63 19.95 116.34 10 30 40 1113.2 -18.89 355.47
 110.00 23 5 42 4066.28 12.88 154.65 18.24 58.06 24 13 29 3466.3 8.57 148.21

MID-COURSE EXECUTION ACCURACY
 SGT 3373.7 SGR 2946.8 SG3 1130.6
 RRT .9879 RRF .9961 RTF .9857
 SGB 4479.5 R23 .0774 R13 .9931
 SGI 4466.1 SG2 345.5 TMA 41.09

ORBIT DETERMINATION ACCURACY
 ST 1169.8 SR 1108.6 SS 1882.7
 CRT .9996 CRS -.9920 CST -.9927
 LSA 2473.0 MSA 160.5 SSA 13.3
 EL1 1611.5 EL2 21.5 ALF 43.46

DIFFERENTIAL CORRECTIONS
 TDE -.4715 TRA 1.3121 TC3-3.4426 BAU .5095
 RDE -.4386 RRA 1.2773 RC3-2.3756 FAU .11145
 FDE -2.9101 FRA 5.4407 FC-10.5905 BSP 13798
 BDE .6439 BRA 1.8312 BC3 4.1827 FSP -3761

LAUNCH DATE MAY 2 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 2 1967

MELIOCENTRIC CONIC
 RL 150.76 LAL .00 LOL 220.92 VL 27.265 GAL 4.94 AZL 90.18 MCA 217.35 SMA 130.47 ECC .17730 INC .1835 V1 29.555
 RP 107.77 LAP .11 LOP 78.27 VP 38.024 GAP 1.98 AZP 89.85 TAL 155.88 TAP 13.23 RCA 107.33 APO 153.60 V2 35.165
 RC 94.474 GL -1.64 GP -34.28 ZAL 51.35 ZAP 113.19 ETS 344.80 ZAE 136.57 ETE 220.11 ZAC 127.19 ETC 353.50 CLP-118.46

PLANETOCENTRIC CONIC
 C3 9.360 VML 3.059 DLA 2.62 RAL 169.78 RAD 6567.3 VEL 11.435 PTH 1.98 VMP 3.821 OPA -15.10 RAP 133.32 ECC 1.1540
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 43 39 2130.19 -17.44 36.21 20.56 112.67 8 19 9 1530.2 -14.21 29.01
 90.00 20 20 32 4611.79 12.92 195.38 19.84 64.58 21 37 24 4011.8 9.39 188.48
 100.00 9 6 12 1863.88 -18.24 16.26 20.20 114.10 9 37 16 1263.9 -14.83 9.12
 100.00 21 40 39 4353.33 13.70 175.98 19.44 63.17 22 53 13 3753.3 10.00 169.15
 110.00 10 17 15 1641.51 -20.38 358.27 19.08 118.05 10 44 37 1041.5 -16.47 351.32
 110.00 22 46 6 4148.46 15.80 159.24 18.26 59.28 23 55 15 3548.5 11.60 152.64

MID-COURSE EXECUTION ACCURACY
 SGT 3768.6 SGR 2643.0 SG3 1132.5
 RRT .9891 RRF .9947 RTF .9875
 SGB 4603.0 R23 .0737 R13 .9922
 SGI 4591.9 SG2 319.4 TMA 34.94

ORBIT DETERMINATION ACCURACY
 ST 1429.1 SR 1028.2 SS 1992.5
 CRT .9979 CRS -.9884 CST -.9960
 LSA 2654.4 MSA 154.7 SSA 13.9
 EL1 1759.7 EL2 54.7 ALF 35.72

DIFFERENTIAL CORRECTIONS
 TDE -.6186 TRA 1.4830 TC3-3.7019 BAU .5313
 RDE -.4236 RRA 1.1612 RC3-2.0785 FAU .11076
 FDE -2.7691 FRA 5.4825 FC-10.2441 BSP 14186
 BDE .7497 BRA 1.8835 BC3 4.2455 FSP -3792

LAUNCH DATE MAY 2 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 4 1967

MELIOCENTRIC CONIC
 RL 150.76 LAL .00 LOL 220.92 VL 27.257 GAL 5.07 AZL 90.47 MCA 220.58 SMA 130.41 ECC .17877 INC .4651 V1 29.555
 RP 107.73 LAP .30 LOP 81.49 VP 38.028 GAP 2.41 AZP 89.65 TAL 155.47 TAP 16.05 RCA 107.10 APO 153.72 V2 35.175
 RC 96.719 GL -4.06 GP -31.37 ZAL 50.77 ZAP 117.56 ETS 343.24 ZAE 136.03 ETE 214.69 ZAC 128.51 ETC 355.06 CLP-122.81

PLANETOCENTRIC CONIC
 C3 9.695 VML 3.114 DLA .12 RAL 169.46 RAD 6567.3 VEL 11.449 PTH 1.99 VMP 3.854 OPA -12.05 RAP 133.24 ECC 1.1595
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 0 52 2059.63 -15.53 31.90 20.28 113.98 8 35 12 1459.6 -12.16 24.85
 90.00 20 0 43 4696.11 15.32 200.40 20.25 65.89 21 18 59 4096.1 11.94 193.36
 100.00 9 22 16 1797.07 -16.34 12.21 19.90 115.39 9 52 13 1197.1 -12.78 5.22
 100.00 21 22 0 4433.91 16.13 180.73 19.86 64.48 22 35 54 3833.9 12.56 173.76
 110.00 10 30 39 1583.04 -18.47 354.81 18.74 119.29 10 57 2 983.0 -14.43 348.02
 110.00 22 30 7 4220.70 18.26 163.39 18.70 60.59 23 40 27 3620.7 14.20 156.62

MID-COURSE EXECUTION ACCURACY
 SGT 4130.1 SGR 2359.9 SG3 1113.0
 RRT .9893 RRF .9926 RTF .9886
 SGB 4756.8 R23 .0649 R13 .9915
 SGI 4747.3 SG2 300.1 TMA 29.61

ORBIT DETERMINATION ACCURACY
 ST 1691.9 SR 938.0 SS 2072.7
 CRT .9951 CRS -.9860 CST -.9976
 LSA 2825.1 MSA 153.1 SSA 14.3
 EL1 1924.1 EL2 81.3 ALF 29.08

DIFFERENTIAL CORRECTIONS
 TDE -.7676 TRA 1.6486 TC3-3.8870 BAU .5550
 RDE -.3988 RRA 1.0565 RC3-1.7964 FAU .10786
 FDE -2.9605 FRA 5.4423 FC3-9.6316 BSP 14691
 BDE .8650 BRA 1.9581 BC3 4.2820 FSP -3750

LAUNCH DATE MAY 2 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 6 1967

MELIOCENTRIC CONIC
 RL 150.76 LAL .00 LOL 220.92 VL 27.247 GAL 5.21 AZL 90.71 MCA 223.81 SMA 130.34 ECC .18046 INC .7119 V1 29.555
 RP 107.70 LAP .49 LOP 84.72 VP 38.030 GAP 2.85 AZP 89.49 TAL 155.02 TAP 18.83 RCA 106.82 APO 153.87 V2 35.185
 RC 98.967 GL -6.09 GP -28.74 ZAL 50.20 ZAP 121.72 ETS 341.98 ZAE 135.18 ETE 210.00 ZAC 129.47 ETC 356.72 CLP-126.85

PLANETOCENTRIC CONIC
 C3 10.102 VML 3.178 DLA -2.03 RAL 169.33 RAD 6567.4 VEL 11.467 PTH 1.99 VMP 3.921 OPA -9.32 RAP 133.31 ECC 1.1663
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 16 17 2001.22 -13.89 28.40 20.40 114.93 8 49 38 1401.2 -10.41 21.45
 90.00 19 44 16 4770.88 17.35 204.96 20.99 67.26 21 3 47 4170.9 14.12 197.77
 100.00 9 36 41 1741.87 -14.70 8.93 20.00 116.33 10 5 43 1141.9 -11.04 2.05
 100.00 21 6 33 4505.46 18.17 185.06 20.62 65.85 22 21 38 3905.5 14.76 177.93
 110.00 10 42 46 1535.01 -16.85 352.03 18.80 120.19 11 8 21 935.0 -12.71 345.36
 110.00 22 16 58 4285.08 20.37 167.19 19.48 61.94 23 28 23 3685.1 16.46 160.25

MID-COURSE EXECUTION ACCURACY
 SGT 4457.9 SGR 2101.5 SG3 1077.0
 RRT .9883 RRF .9898 RTF .9891
 SGB 4928.4 R23 .0530 R13 .9910
 SGI 4919.9 SG2 290.0 TMA 25.07

ORBIT DETERMINATION ACCURACY
 ST 1921.4 SR 842.1 SS 2122.2
 CRT .9912 CRS -.9822 CST -.9984
 LSA 2980.0 MSA 154.0 SSA 14.6
 EL1 2095.4 EL2 102.4 ALF 23.54

DIFFERENTIAL CORRECTIONS
 TDE -.9156 TRA 1.8123 TC3-3.9990 BAU .5785
 RDE -.3662 RRA .9647 RC3-1.5354 FAU .10297
 FDE -3.0805 FRA 5.3487 FC3-8.8242 BSP 15218
 BDE .9861 BRA 2.0531 BC3 4.2836 FSP -3634

LAUNCH DATE MAY 2 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 515.755

RL 150.76 LAL .00 LOL 220.92 VL 27.236 GAL 5.36 AZL 90.93 MCA 227.04 SMA 130.27 ECC .1823H INC .9311 VI 29.555
 RP 107.67 LAP .68 LOP 87.95 VP 38.031 GAP 3.28 AZP 89.37 TAL 154.54 TAP 21.58 RCA 106.51 APO 154.03 V2 35.195
 RC 101.218 GL -7.79 GP -26.36 ZAL 49.61 ZAP 125.66 ETS 340.97 ZAE 134.14 ETE 206.02 ZAC 130.09 ETC 358.43 CLP-130.58

PLANETOCENTRIC CONIC

C3 10.577 VML 3.252 DLA -3.89 RAL 169.36 RAD 6567.4 VEL 11.488 PTH 2.00 VMP 4.015 DPA -6.91 RAP 133.53 ECC 1.1741
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 30 18 1952.52 -12.47 25.53 20.84 115.63 9 2 51 1352.5 -8.92 18.65
 90.00 19 30 30 4838.07 19.07 209.14 22.01 68.66 20 51 8 4238.1 16.00 201.81
 100.00 9 49 50 1695.99 -13.29 6.25 20.42 117.02 10 18 6 1096.0 -9.56 359.44
 100.00 20 53 40 4569.83 19.92 189.05 21.64 67.24 22 9 50 3969.8 16.66 181.76
 110.00 10 53 54 1495.42 -15.48 349.78 19.17 120.86 11 18 49 895.4 -11.27 343.20
 110.00 22 6 5 4343.16 22.19 170.72 20.52 63.30 23 18 29 3743.2 18.43 163.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.0646 TRA 1.9714 TC3-4.0592 BAU .6032 SGT 4754.8 SGR 1870.2 SG3 1030.2 ST 2148.2 SR 748.1 SS 2151.5
 RDE -.3311 RRA .8829 RC3-1.3106 FAU .09732 RRT .9865 RRF .9860 RTF .9894 CRT .9860 CRS -.9769 CST -.9988
 FDE-3.1523 FRA 5.2051 FC3-7.9661 BSP 15844 SGB 5109.3 R23 .0389 R13 .9905 LSA 3127.1 MSA 156.2 SSA 14.7
 BDE 1.1149 BRA 2.1601 BC3 4.2656 FSP -3496 SG1 5101.4 SG2 285.6 TMA 21.28 EL1 2271.7 EL2 118.1 ALF 19.00

LAUNCH DATE MAY 2 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 521.941

RL 150.76 LAL .00 LOL 220.92 VL 27.224 GAL 5.53 AZL 91.13 MCA 230.27 SMA 130.18 ECC .18453 INC 1.1287 VI 29.555
 RP 107.65 LAP .87 LOP 91.18 VP 38.030 GAP 3.72 AZP 89.28 TAL 154.03 TAP 24.31 RCA 106.16 APO 154.20 V2 35.204
 RC 103.470 GL -9.21 GP -24.22 ZAL 49.00 ZAP 129.34 ETS 340.14 ZAE 132.99 ETE 202.68 ZAC 130.38 ETC .12 CLP-134.04

PLANETOCENTRIC CONIC

C3 11.117 VML 3.334 DLA -5.51 RAL 169.53 RAD 6567.4 VEL 11.511 PTH 2.01 VMP 4.132 DPA -4.80 RAP 133.91 ECC 1.1830
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 43 15 1911.81 -11.26 23.15 21.53 116.15 9 15 7 1311.8 -7.65 16.33
 90.00 19 18 57 4899.15 20.53 213.02 23.24 70.06 20 40 36 4299.2 17.63 205.55
 100.00 10 1 59 1657.81 -12.10 4.04 21.10 117.54 10 29 37 1057.8 -8.32 357.29
 100.00 20 42 54 4628.39 21.42 192.75 22.89 68.63 22 0 2 4028.4 18.32 185.32
 110.00 11 4 16 1462.83 -14.33 347.95 19.80 121.37 11 28 38 862.8 -10.08 341.43
 110.00 21 57 6 4396.13 23.77 174.02 21.79 64.68 23 10 22 3796.1 20.16 166.73

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.2128 TRA 2.1299 TC3-4.0688 BAU .6271 SGT 5022.5 SGR 1665.5 SG3 976.5 ST 2359.4 SR 657.6 SS 2161.1
 RDE -.2939 RRA .8120 RC3-1.1158 FAU .09095 RRT .9834 RRF .9808 RTF .9895 CRT .9786 CRS -.9692 CST -.9991
 FDE-3.1774 FRA 5.0370 FC3-7.0829 BSP 16483 SGB 5291.4 R23 .0250 R13 .9901 LSA 3262.5 MSA 159.1 SSA 14.7
 BDE 1.2479 BRA 2.2794 BC3 4.2190 FSP -3330 SG1 5283.6 SG2 287.4 TMA 18.12 EL1 2445.8 EL2 130.6 ALF 15.30

LAUNCH DATE MAY 2 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 528.104

RL 150.76 LAL .00 LOL 220.92 VL 27.211 GAL 5.72 AZL 91.31 MCA 233.51 SMA 130.09 ECC .18691 INC 1.3086 VI 29.555
 RP 107.62 LAP 1.05 LOP 94.42 VP 38.028 GAP 4.16 AZP 89.22 TAL 153.49 TAP 27.00 RCA 105.77 APO 154.41 V2 35.212
 RC 105.723 GL -10.40 GP -22.31 ZAL 48.36 ZAP 132.79 ETS 339.43 ZAE 131.80 ETE 199.90 ZAC 130.37 ETC 1.74 CLP-137.24

PLANETOCENTRIC CONIC

C3 11.724 VML 3.424 DLA -6.94 RAL 169.83 RAD 6567.4 VEL 11.537 PTH 2.01 VMP 4.270 DPA -2.97 RAP 134.45 ECC 1.1930
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 55 19 1877.81 -10.23 21.18 22.45 116.55 9 26 37 1277.8 -6.59 14.40
 90.00 19 9 13 4955.24 21.79 216.65 24.67 71.46 20 31 48 4355.2 19.06 209.04
 100.00 10 13 21 1626.10 -11.10 2.22 22.00 117.93 10 40 27 1026.1 -7.27 355.52
 100.00 20 33 53 4682.19 22.71 196.22 24.32 70.02 21 51 55 4082.2 19.78 188.65
 110.00 11 14 1 1436.15 -13.38 346.46 20.65 121.75 11 37 57 836.1 -9.09 340.00
 110.00 21 49 42 4444.90 25.15 177.13 23.25 66.05 23 3 47 3844.9 21.70 169.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.3596 TRA 2.2890 TC3-4.0368 BAU .6500 SGT 5263.6 SGR 1486.0 SG3 919.3 ST 2553.9 SR 572.6 SS 2154.0
 RDE -.2559 RRA .7508 RC3-1.9499 FAU .08429 RRT .9788 RRF .9740 RTF .9894 CRT .9678 CRS -.9579 CST -.9993
 FDE-3.1645 FRA 4.8562 FC3-6.2242 BSP 17114 SGB 5469.4 R23 .0123 R13 .9897 LSA 3385.8 MSA 162.3 SSA 14.7
 BDE 1.3835 BRA 2.4090 BC3 4.1471 FSP -3148 SG1 5461.5 SG2 293.6 TMA 15.49 EL1 2613.5 EL2 140.9 ALF 12.28

LAUNCH DATE MAY 2 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 534.242

RL 150.76 LAL .00 LOL 220.92 VL 27.196 GAL 5.93 AZL 91.47 MCA 236.75 SMA 129.99 ECC .18954 INC 1.4740 VI 29.555
 RP 107.60 LAP 1.23 LOP 97.65 VP 38.025 GAP 4.60 AZP 89.19 TAL 152.91 TAP 29.66 RCA 105.35 APO 154.63 V2 35.220
 RC 107.975 GL -11.40 GP -20.60 ZAL 47.68 ZAP 135.99 ETS 338.82 ZAE 130.62 ETE 197.58 ZAC 130.10 ETC 3.25 CLP-140.21

PLANETOCENTRIC CONIC

C3 12.402 VML 3.522 DLA -8.19 RAL 170.22 RAD 6567.5 VEL 11.567 PTH 2.02 VMP 4.426 DPA -1.39 RAP 135.15 ECC 1.2041
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 6 39 1849.58 -9.37 19.56 23.55 116.84 9 37 29 1249.6 -5.69 12.81
 90.00 19 1 3 5007.18 22.87 220.07 26.26 72.84 20 24 31 4407.2 20.31 212.34
 100.00 10 24 2 1599.94 -10.26 .73 23.08 118.23 10 50 42 999.9 -6.41 354.06
 100.00 20 26 22 4732.05 23.83 199.50 25.93 71.40 21 45 14 4132.0 21.07 191.79
 110.00 11 23 15 1414.56 -12.61 345.27 21.69 122.04 11 46 49 814.6 -8.28 338.84
 110.00 21 43 39 4490.20 26.37 180.08 24.87 67.42 22 58 29 3890.2 23.08 172.47

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.5020 TRA 2.4537 TC3-3.9590 BAU .6699 SGT 5478.4 SGR 1329.5 SG3 860.7 ST 2728.0 SR 493.9 SS 2130.2
 RDE -.2172 RRA .6991 RC3 -.8061 FAU .07721 RRT .9722 RRF .9651 RTF .9892 CRT .9514 CRS -.9407 CST -.9994
 FDE-3.1159 FRA 4.6783 FC3-5.3899 BSP 17645 SGB 5637.5 R23 .0020 R13 .9893 LSA 3492.3 MSA 166.2 SSA 14.7
 BDE 1.5176 BRA 2.5513 BC3 4.0403 FSP -2945 SG1 5629.3 SG2 303.0 TMA 13.31 EL1 2768.3 EL2 150.0 ALF 9.80

LAUNCH DATE MAY 2 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 16 1967

DISTANCE 540.352

HELIOCENTRIC CONIC
 RL 150.76 LAL .00 LOL 220.92 VL 27.181 GAL 6.15 AZL 91.63 MCA 239.99 SMA 129.88 ECC .19242 INC 1.6277 V1 29.555
 RP 107.58 LAP 1.41 LOP 100.89 VP 38.021 GAP 5.05 AZP 89.19 TAL 152.31 TAP 32.30 RCA 104.89 APO 154.87 V2 35.227
 RC 110.226 GL -12.22 GP -19.08 ZAL 46.97 ZAP 138.98 ETS 338.25 ZAE 129.48 ETE 195.66 ZAC 129.58 ETC 4.63 CLP-142.97

PLANETOCENTRIC CONIC
 C3 13.155 VML 3.627 CLA -9.30 RAL 170.71 RAD 6567.5 VEL 11.599 PTH 2.03 VHP 4.537 DPA -.04 RAP 135.99 ECC 1.2165
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 17 22 1826.40 -8.65 18.23 24.81 117.07 9 47 48 1226.4 -4.95 11.50
 90.00 18 54 14 5055.64 23.81 223.32 28.00 74.20 20 18 30 4455.6 21.42 215.46
 100.00 10 34 9 1578.68 -9.57 359.53 24.32 118.45 11 0 28 978.7 -5.70 352.88
 100.00 20 20 8 4778.60 24.81 202.62 27.67 72.76 21 39 46 4178.6 22.21 194.78
 110.00 11 32 2 1397.45 -11.99 344.34 22.88 122.25 11 55 19 797.4 -7.64 337.93
 110.00 21 38 45 4532.60 27.45 182.91 26.65 68.78 22 54 17 3932.6 24.32 175.14

DIFFERENTIAL CORRECTIONS
 TDE-1.6462 TRA 2.6188 TC3-3.8625 BAU .6900
 RDE -.1803 RRA .6539 RC3 -.6882 FAU .07066
 FDE-3.0552 FRA 4.4965 FC3-4.6499 BSP 18231
 BDE 1.6560 BRA 2.6992 BC3 3.9234 FSP -2760

MID-COURSE EXECUTION ACCURACY
 SGT 5673.2 SGR 1194.1 SG3 803.5
 RRT .9635 RRF .9539 RTF .9889
 SGB 5797.5 R23 -.0070 R13 .9889
 SGI 5789.0 SG2 313.3 TMA 11.50

ORBIT DETERMINATION ACCURACY
 ST 2889.8 SR 424.2 SS 2100.6
 CRT .9274 CRS -.9157 CST -.9995
 LSA 3593.6 MSA 169.7 SSA 14.7
 EL1 2916.5 EL2 157.3 ALF 7.78

LAUNCH DATE MAY 2 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 18 1967

DISTANCE 546.434

HELIOCENTRIC CONIC
 RL 150.76 LAL .00 LOL 220.92 VL 27.164 GAL 6.39 AZL 91.77 MCA 243.23 SMA 129.77 ECC .19556 INC 1.7717 V1 29.555
 RP 107.56 LAP 1.58 LOP 104.13 VP 38.015 GAP 5.51 AZP 89.20 TAL 151.68 TAP 34.91 RCA 104.39 APO 155.15 V2 35.233
 RC 112.475 GL -12.89 GP -17.72 ZAL 46.23 ZAP 141.76 ETS 337.71 ZAE 128.40 ETE 194.06 ZAC 128.86 ETC 5.86 CLP-145.54

PLANETOCENTRIC CONIC
 C3 13.991 VML 3.740 CLA -10.28 RAL 171.28 RAD 6567.6 VEL 11.635 PTH 2.04 VHP 4.784 DPA 1.09 RAP 136.98 ECC 1.2302
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 27 32 1807.71 -8.07 17.16 26.21 117.23 9 57 39 1207.7 -4.36 10.45
 90.00 18 48 35 5101.18 24.62 226.41 29.86 75.55 20 13 36 4501.2 22.39 218.44
 100.00 10 43 46 1561.74 -9.02 358.57 25.71 118.62 11 9 48 961.7 -5.13 351.94
 100.00 20 15 2 4822.38 25.66 205.59 29.55 74.11 21 35 24 4222.4 23.23 197.63
 110.00 11 40 26 1384.31 -11.51 343.62 24.21 122.41 12 3 30 784.3 -7.15 337.24
 110.00 21 34 51 4572.57 28.40 185.63 28.56 70.13 22 51 4 3972.6 25.43 177.71

DIFFERENTIAL CORRECTIONS
 TDE-1.7894 TRA 2.7890 TC3-3.7417 BAU .7085
 RDE -.1445 RRA .6152 RC3 -.5888 FAU .06434
 FDE-2.9803 FRA 4.3220 FC3-3.9812 BSP 18773
 BDE 1.7952 BRA 2.8561 BC3 3.7877 FSP -2578

MID-COURSE EXECUTION ACCURACY
 SGT 5848.2 SGR 1077.1 SG3 748.2
 RRT .9522 RRF .9398 RTF .9886
 SGB 5946.5 R23 -.0144 R13 .9885
 SGI 5937.7 SG2 324.2 TMA 9.98

ORBIT DETERMINATION ACCURACY
 ST 3036.0 SR 362.9 SS 2063.4
 CRT .8913 CRS -.8784 CST -.9996
 LSA 3684.6 MSA 173.3 SSA 14.6
 EL1 3053.2 EL2 163.6 ALF 6.10

LAUNCH DATE MAY 2 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 20 1967

DISTANCE 552.485

HELIOCENTRIC CONIC
 RL 150.76 LAL .00 LOL 220.92 VL 27.147 GAL 6.66 AZL 91.91 MCA 246.47 SMA 129.65 ECC .19898 INC 1.9078 V1 29.555
 RP 107.54 LAP 1.75 LOP 107.37 VP 38.008 GAP 5.97 AZP 89.24 TAL 151.03 TAP 37.49 RCA 103.85 APO 155.45 V2 35.239
 RC 114.720 GL -13.44 GP -16.51 ZAL 45.46 ZAP 144.35 ETS 337.17 ZAE 127.38 ETE 192.72 ZAC 127.96 ETC 6.96 CLP-147.94

PLANETOCENTRIC CONIC
 C3 14.916 VML 3.862 CLA -11.15 RAL 171.91 RAD 6567.6 VEL 11.675 PTH 2.05 VHP 4.984 DPA 2.03 RAP 138.08 ECC 1.2455
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 37 12 1793.08 -7.62 16.33 27.74 117.36 10 7 5 1193.1 -3.89 9.63
 90.00 18 43 58 5144.21 25.32 229.37 31.84 76.88 20 9 42 4544.2 23.26 221.30
 100.00 10 52 56 1548.73 -8.60 357.84 27.21 118.74 11 18 44 948.7 -4.69 351.22
 100.00 20 10 55 4863.79 26.40 208.45 31.55 75.44 21 31 59 4263.8 24.14 200.38
 110.00 11 48 29 1374.78 -11.16 343.10 25.67 122.52 12 11 23 774.8 -6.79 336.73
 110.00 21 31 51 4610.51 29.25 188.25 30.59 71.47 22 48 42 4010.5 26.45 180.20

DIFFERENTIAL CORRECTIONS
 TDE-1.9321 TRA 2.9655 TC3-3.6011 BAU .7252
 RDE -.1097 RRA .5819 RC3 -.5048 FAU .05832
 FDE-2.8963 FRA 4.1573 FC3-3.3850 BSP 19284
 BDE 1.9352 BRA 3.0221 BC3 3.6363 FSP -2404

MID-COURSE EXECUTION ACCURACY
 SGT 6005.0 SGR 976.0 SG3 695.6
 RRT .9378 RRF .9226 RTF .9882
 SGB 6083.8 R23 -.0203 R13 .9881
 SGI 6074.6 SG2 335.0 TMA 8.69

ORBIT DETERMINATION ACCURACY
 ST 3167.3 SR 310.3 SS 2020.8
 CRT .8369 CRS -.8227 CST -.9996
 LSA 3765.7 MSA 176.8 SSA 14.5
 EL1 3178.0 EL2 169.3 ALF 4.70

LAUNCH DATE MAY 2 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 22 1967

DISTANCE 558.504

HELIOCENTRIC CONIC
 RL 150.76 LAL .00 LOL 220.92 VL 27.129 GAL 6.94 AZL 92.04 MCA 249.71 SMA 129.53 ECC .20269 INC 2.0373 V1 29.555
 RP 107.52 LAP 1.91 LOP 110.61 VP 38.000 GAP 6.44 AZP 89.29 TAL 150.35 TAP 40.06 RCA 103.27 APO 155.78 V2 35.244
 RC 116.961 GL -13.87 GP -15.44 ZAL 44.66 ZAP 146.76 ETS 336.60 ZAE 126.43 ETE 191.60 ZAC 126.90 ETC 7.92 CLP-150.19

PLANETOCENTRIC CONIC
 C3 15.943 VML 3.993 CLA -11.93 RAL 172.60 RAD 6567.6 VEL 11.719 PTH 2.06 VHP 5.198 DPA 2.80 RAP 139.30 ECC 1.2624
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 46 24 1782.15 -7.27 15.71 29.38 117.44 10 16 6 1182.2 -3.54 9.02
 90.00 18 40 16 5185.11 25.92 232.21 33.93 78.18 20 6 41 4585.1 24.03 224.05
 100.00 11 1 40 1539.30 -8.29 357.31 28.84 118.82 11 27 19 939.3 -4.38 350.70
 100.00 20 7 41 4903.19 27.04 211.20 33.65 76.75 21 29 24 4303.2 24.95 203.02
 110.00 11 56 12 1368.54 -10.93 342.76 27.24 122.59 12 19 0 768.5 -6.56 336.40
 110.00 21 29 38 4646.72 30.01 190.80 32.73 72.81 22 47 5 4046.7 27.37 182.61

DIFFERENTIAL CORRECTIONS
 TDE-2.0746 TRA 3.1497 TC3-3.4450 BAU .7400
 RDE -.0761 RRA .5532 RC3 -.4335 FAU .05266
 FDE-2.8072 FRA 4.0042 FC3-2.8597 BSP 19751
 BDE 2.0760 BRA 3.1979 BC3 3.4721 FSP -2239

MID-COURSE EXECUTION ACCURACY
 SGT 6145.7 SGR 888.8 SG3 646.2
 RRT .9200 RRF .9019 RTF .9878
 SGB 6209.7 R23 -.0249 R13 .9877
 SGI 6200.1 SG2 345.3 TMA 7.60

ORBIT DETERMINATION ACCURACY
 ST 3284.8 SR 267.0 SS 1974.6
 CRT .7564 CRS -.7407 CST -.9997
 LSA 3837.7 MSA 180.2 SSA 14.5
 EL1 3291.0 EL2 174.3 ALF 3.53

LAUNCH DATE MAY 2 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 564.489

RL 150.76 LAL .00 LOL 220.92 VL 27.110 GAL 7.24 AZL 92.16 MCA 252.95 SMA 129.40 ECC .20671 INC 2.1616 V1 29.555
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.990 GAP 6.92 AZP 89.37 TAL 149.65 TAP 42.60 RCA 102.65 APO 156.14 V2 35.248
 RC 119.197 GL -14.21 GP -14.47 ZAL 43.84 ZAP 149.02 ETS 335.99 ZAE 125.55 ETE 190.64 ZAC 125.70 ETC 8.75 CLP-152.31

PLANETOCENTRIC CONIC

C3 17.081 VML 4.133 CLA -12.62 RAL 173.34 RAD 6567.7 VEL 11.767 PTH 2.08 VMP 5.424 DPA 3.41 RAP 140.63 ECC 1.2811
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 55 10 1774.67 -7.04 15.29 31.13 117.50 10 24 45 1174.7 -3.30 8.60
 90.00 18 37 23 5224.16 26.44 234.95 36.12 79.46 20 4 27 4624.2 24.71 226.71
 100.00 11 10 1 1533.20 -8.09 356.97 30.56 118.88 11 35 34 933.2 -4.17 350.37
 100.00 20 5 13 4940.87 27.60 213.86 35.86 78.04 21 27 34 4340.9 25.67 205.58
 110.00 12 3 36 1365.35 -10.81 342.99 28.91 122.63 12 26 22 765.4 -6.44 336.23
 110.00 21 28 7 4681.48 30.68 193.28 34.98 74.14 22 46 9 4081.5 28.20 184.97

DIFFERENTIAL CORRECTIONS

TDE-2.2138 TRA 3.3459 TC3-3.2689 BAU .7513
 ROE -.0429 RRA .5287 RC3 -.3717 FAU .04713
 FDE-2.7103 FRA 3.8673 FC3-2.3888 BSP 20104
 BDE 2.2142 BRA 3.3875 BC3 3.2900 FSP -2074

MID-COURSE EXECUTION ACCURACY

SGT 6270.2 SGR 813.6 SG3 599.8
 RRT .8983 RRF .8774 RTF .9874
 SGB 6322.7 R23 -.0281 R13 .9872
 SGI 6312.7 SG2 355.1 TMA 6.67

ORBIT DETERMINATION ACCURACY

ST 3385.2 SR 233.2 SS 1923.0
 CRT .6392 CRS -.6222 CST -.9997
 LSA 3895.9 MSA 183.7 SSA 14.4
 EL1 3388.5 EL2 179.2 ALF 2.53

LAUNCH DATE MAY 2 1967

FLIGHT TIME 208.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 570.435

RL 150.76 LAL .00 LOL 220.92 VL 27.091 GAL 7.57 AZL 92.28 MCA 256.20 SMA 129.26 ECC .21106 INC 2.2816 V1 29.555
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.980 GAP 7.42 AZP 89.46 TAL 148.93 TAP 45.13 RCA 101.98 APO 156.55 V2 35.252
 RC 121.426 GL -14.45 GP -13.61 ZAL 43.00 ZAP 151.15 ETS 335.31 ZAE 124.74 ETE 189.83 ZAC 124.39 ETC 9.47 CLP-154.31

PLANETOCENTRIC CONIC

C3 18.345 VML 4.283 CLA -13.23 RAL 174.12 RAD 6567.7 VEL 11.821 PTH 2.09 VMP 5.664 DPA 3.88 RAP 142.04 ECC 1.3019
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 3 31 1770.40 -6.90 15.05 32.96 117.53 10 33 2 1170.4 -3.16 8.36
 90.00 18 35 14 5261.61 26.87 237.61 38.39 80.72 20 2 56 4661.6 25.32 229.28
 100.00 11 17 58 1530.20 -7.99 356.80 32.38 118.90 11 43 28 930.2 -4.07 350.20
 100.00 20 3 28 4977.05 28.08 216.44 38.15 79.32 21 26 25 4377.0 26.32 208.08
 110.00 12 10 43 1365.02 -10.80 342.57 30.68 122.63 12 33 28 765.0 -6.42 336.21
 110.00 21 27 13 4715.00 31.28 195.71 37.32 75.46 22 45 48 4115.0 28.97 187.27

DIFFERENTIAL CORRECTIONS

TDE-2.3583 TRA 3.5478 TC3-3.0946 BAU .7630
 ROE -.0114 RRA .5066 RC3 -.3203 FAU .04227
 FDE-2.6209 FRA 3.7366 FC3-1.9949 BSP 20520
 BDE 2.3583 BRA 3.5838 BC3 3.1111 FSP -1932

MID-COURSE EXECUTION ACCURACY

SGT 6383.4 SGR 748.5 SG3 557.1
 RRT .8727 RRF .8490 RTF .9870
 SGB 6427.1 R23 -.0311 R13 .9868
 SGI 6416.9 SG2 363.5 TMA 5.86

ORBIT DETERMINATION ACCURACY

ST 3478.2 SR 209.6 SS 1874.2
 CRT .4862 CRS -.4682 CST -.9998
 LSA 3952.1 MSA 186.6 SSA 14.3
 EL1 3479.7 EL2 183.1 ALF 1.68

LAUNCH DATE MAY 2 1967

FLIGHT TIME 210.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 576.339

RL 150.76 LAL .00 LOL 220.92 VL 27.071 GAL 7.93 AZL 92.40 MCA 259.44 SMA 129.13 ECC .21576 INC 2.3984 V1 29.555
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.968 GAP 7.92 AZP 89.56 TAL 148.20 TAP 47.64 RCA 101.27 APO 156.99 V2 35.255
 RC 123.648 GL -14.62 GP -12.84 ZAL 42.14 ZAP 153.14 ETS 334.56 ZAE 123.99 ETE 189.14 ZAC 122.97 ETC 10.08 CLP-156.21

PLANETOCENTRIC CONIC

C3 19.751 VML 4.444 CLA -13.76 RAL 174.93 RAD 6567.8 VEL 11.880 PTH 2.11 VMP 5.917 DPA 4.22 RAP 143.53 ECC 1.3251
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 11 28 1769.17 -6.86 14.98 34.88 117.54 10 40 57 1169.2 -3.12 8.29
 90.00 18 33 46 5297.67 27.24 240.18 40.74 81.96 20 2 3 4697.7 25.85 231.79
 100.00 11 25 34 1530.13 -7.98 356.80 34.27 118.90 11 51 4 930.1 -4.07 350.20
 100.00 20 2 21 5011.95 28.50 218.95 40.52 80.58 21 25 53 4411.9 26.90 210.51
 110.00 12 17 32 1367.37 -10.89 342.70 32.52 122.60 12 40 19 767.4 -6.51 336.34
 110.00 21 26 53 4747.48 31.81 198.10 39.76 76.78 22 46 0 4147.5 29.67 189.54

DIFFERENTIAL CORRECTIONS

TDE-2.5035 TRA 3.7610 TC3-2.9131 BAU .7727
 ROE .0194 RRA .4871 RC3 -.2761 FAU .03775
 FDE-2.5319 FRA 3.6181 FC3-1.6546 BSP 20891
 BDE 2.5036 BRA 3.7924 BC3 2.9261 FSP -1799

MID-COURSE EXECUTION ACCURACY

SGT 6484.0 SGR 692.0 SG3 517.6
 RRT .8429 RRF .8164 RTF .9866
 SGB 6520.8 R23 -.0333 R13 .9864
 SGI 6510.3 SG2 370.8 TMA 5.16

ORBIT DETERMINATION ACCURACY

ST 3559.0 SR 195.7 SS 1824.3
 CRT .3018 CRS -.2836 CST -.9998
 LSA 3999.6 MSA 189.4 SSA 14.2
 EL1 3559.5 EL2 186.6 ALF .95

LAUNCH DATE MAY 2 1967

FLIGHT TIME 212.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 582.198

RL 150.76 LAL .00 LOL 220.92 VL 27.050 GAL 8.31 AZL 92.51 MCA 262.69 SMA 128.99 ECC .22084 INC 2.5128 V1 29.555
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.955 GAP 8.45 AZP 89.68 TAL 147.45 TAP 50.14 RCA 100.50 APO 157.47 V2 35.257
 RC 125.861 GL -14.72 GP -12.14 ZAL 41.28 ZAP 155.03 ETS 333.71 ZAE 123.29 ETE 188.54 ZAC 121.47 ETC 10.60 CLP-158.01

PLANETOCENTRIC CONIC

C3 21.317 VML 4.617 CLA -14.24 RAL 175.76 RAD 6567.9 VEL 11.946 PTH 2.13 VMP 6.185 DPA 4.45 RAP 145.09 ECC 1.3508
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 19 1 1770.83 -6.92 15.07 36.87 117.53 10 48 32 1170.8 -3.18 8.39
 90.00 18 32 53 5332.51 27.55 242.68 43.17 83.18 20 1 46 4732.5 26.32 234.23
 100.00 11 32 47 1532.84 -8.07 356.95 36.25 118.88 11 58 20 932.8 -4.16 350.35
 100.00 20 1 49 5045.73 28.85 221.40 42.98 81.82 21 25 54 4445.7 27.42 212.89
 110.00 12 24 3 1372.26 -11.07 342.96 34.44 122.55 12 46 55 772.3 -6.70 336.60
 110.00 21 27 2 4779.07 32.28 200.44 42.27 78.09 22 46 41 4179.1 30.30 191.78

DIFFERENTIAL CORRECTIONS

TDE-2.6505 TRA 3.9864 TC3-2.7273 BAU .7802
 ROE .0497 RRA .4694 RC3 -.2378 FAU .03354
 FDE-2.4456 FRA 3.5112 FC3-1.3622 BSP 21230
 BDE 2.6510 BRA 4.0140 BC3 2.7377 FSP -1676

MID-COURSE EXECUTION ACCURACY

SGT 6573.5 SGR 642.8 SG3 481.1
 RRT .8087 RRF .7797 RTF .9862
 SGB 6604.8 R23 -.0348 R13 .9860
 SGI 6594.0 SG2 376.9 TMA 4.54

ORBIT DETERMINATION ACCURACY

ST 3628.9 SR 190.7 SS 1774.7
 CRT .1064 CRS -.0887 CST -.9998
 LSA 4039.5 MSA 191.8 SSA 14.0
 EL1 3629.0 EL2 189.6 ALF .32

LAUNCH DATE MAY 2 1967 FLIGHT TIME 214.00 ARRIVAL DATE DEC 2 1967

DISTANCE 588.007

HELIOCENTRIC CONIC
RL 150.76 LAL .00 LOL 220.92 VL 27.029 GAL 8.71 AZL 92.63 MCA 265.93 SMA 128.84 ECC .22633 INC 2.6255 V1 29.555
RP 107.48 LAP 2.62 LOP 126.85 VP 37.942 GAP 8.99 AZP 89.81 TAL 146.70 TAP 52.63 RCA 99.68 APO 158.00 V2 35.258
RC 128.066 GL -14.76 GP -11.52 ZAL 40.41 ZAP 156.81 ETS 332.73 ZAE 122.64 ETE 188.02 ZAC 119.89 ETC 11.04 CLP-159.73

PLANETOCENTRIC CONIC
C3 23.068 VHL 4.803 DLA -14.66 RAL 176.62 RAD 6567.9 VEL 12.019 PTM 2.15 WHP 6.467 DPA 4.57 RAP 146.71 ECC 1.3796
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 10 26 11 1775.25 -7.06 15.32 38.94 117.49 10 55 46 1175.3 -3.32 8.63
90.00 18 32 34 5366.28 27.80 245.12 45.67 84.38 20 2 0 4766.3 26.73 236.62
100.00 11 39 39 1536.21 -8.25 357.25 38.29 118.83 12 5 17 938.2 -4.34 350.64
100.00 20 1 47 5078.55 29.15 223.79 45.50 83.05 21 26 25 4478.6 27.88 215.22
110.00 12 30 17 1379.60 -11.34 343.96 36.44 122.47 12 53 17 779.6 -6.97 336.99
110.00 21 27 38 4809.93 32.69 202.76 44.87 79.40 22 47 48 4209.9 30.88 194.00

DIFFERENTIAL CORRECTIONS
TOE-2.8002 TRA 4.2252 TC3-2.5391 BAU .7855
RDE .0798 RRA .4532 RC3 -.2044 FAU .02962
FDE-2.3627 FRA 3.4180 FC3-1.1118 BAP 21536
BOE 2.8013 BRA 4.2494 BC3 2.5473 FSP -1561

MID-COURSE EXECUTION ACCURACY
SGT 6652.3 SGR 599.8 SG3 447.4
RRT .7701 RRF .7388 RTF .9858
SG8 6679.3 R23 -.0358 R13 .9857
SG1 6668.4 SG2 381.7 TMA 3.99

ORBIT DETERMINATION ACCURACY
ST 3688.9 SR 192.8 SS 1725.9
CRT -.0770 CRS .0936 CST -.9998
LSA 4072.6 MSA 193.9 SSA 13.8
EL1 3689.0 EL2 192.2 ALF 179.77

LAUNCH DATE MAY 2 1967 FLIGHT TIME 216.00 ARRIVAL DATE DEC 4 1967

DISTANCE 593.761

HELIOCENTRIC CONIC
RL 150.76 LAL .00 LOL 220.92 VL 27.007 GAL 9.15 AZL 92.74 MCA 269.18 SMA 128.70 ECC .23226 INC 2.7373 V1 29.555
RP 107.48 LAP 2.74 LOP 130.10 VP 37.927 GAP 9.55 AZP 89.96 TAL 145.93 TAP 55.11 RCA 98.81 APO 158.59 V2 35.259
RC 130.261 GL -14.75 GP -10.95 ZAL 39.53 ZAP 158.50 ETS 331.61 ZAE 122.04 ETE 187.57 ZAC 118.25 ETC 11.41 CLP-161.38

PLANETOCENTRIC CONIC
C3 25.025 VHL 5.002 DLA -15.02 RAL 177.49 RAD 6568.0 VEL 12.100 PTM 2.17 WHP 6.765 DPA 4.60 RAP 148.38 ECC 1.4118
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 10 32 57 1782.32 -7.28 15.72 41.06 117.44 11 2 40 1182.3 -3.55 9.03
90.00 18 32 44 5399.11 29.00 247.51 46.24 85.56 20 2 44 4799.1 27.09 238.96
100.00 11 48 9 1546.14 -8.51 357.69 40.40 118.76 12 11 55 946.1 -4.61 351.08
100.00 20 2 14 5110.53 29.59 226.14 46.10 84.26 21 27 24 4510.5 28.28 217.51
110.00 12 36 14 1389.27 -11.69 343.89 36.49 122.35 12 59 23 789.3 -7.34 337.50
110.00 21 28 38 4840.16 33.05 205.04 47.53 80.71 22 49 18 4240.2 31.41 196.20

DIFFERENTIAL CORRECTIONS
TOE-2.9497 TRA 4.4815 TC3-2.3452 BAU .7867
RDE .1095 RRA .4380 RC3 -.1748 FAU .02584
FDE-2.2807 FRA 3.3314 FC3 -.8941 BAP 21731
BOE 2.9518 BRA 4.5029 BC3 2.3517 FSP -1448

MID-COURSE EXECUTION ACCURACY
SGT 6720.5 SGR 582.3 SG3 416.4
RRT .7270 RRF .6941 RTF .9854
SG8 6744.0 R23 -.0360 R13 .9853
SG1 6733.0 SG2 385.4 TMA 3.49

ORBIT DETERMINATION ACCURACY
ST 3736.8 SR 200.1 SS 1676.7
CRT -.2340 CRS .2488 CST -.9998
LSA 4095.7 MSA 195.8 SSA 13.7
EL1 3736.9 EL2 194.5 ALF 179.28

LAUNCH DATE MAY 2 1967 FLIGHT TIME 218.00 ARRIVAL DATE DEC 6 1967

DISTANCE 599.452

HELIOCENTRIC CONIC
RL 150.76 LAL .00 LOL 220.92 VL 26.985 GAL 9.62 AZL 92.85 MCA 272.43 SMA 128.55 ECC .23868 INC 2.8489 V1 29.555
RP 107.48 LAP 2.85 LOP 133.35 VP 37.911 GAP 10.13 AZP 90.12 TAL 145.16 TAP 57.59 RCA 97.87 APO 159.23 V2 35.259
RC 132.447 GL -14.68 GP -10.45 ZAL 38.66 ZAP 160.10 ETS 330.32 ZAE 121.48 ETE 187.17 ZAC 116.55 ETC 11.73 CLP-162.97

PLANETOCENTRIC CONIC
C3 27.217 VHL 5.217 DLA -15.33 RAL 178.37 RAD 6568.1 VEL 12.180 PTM 2.19 WHP 7.080 DPA 4.55 RAP 150.09 ECC 1.4479
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 10 39 20 1791.96 -7.58 16.27 43.25 117.36 11 9 12 1192.0 -3.85 9.57
90.00 18 33 23 5431.10 28.14 249.83 50.86 86.72 20 3 54 4831.1 27.39 241.25
100.00 11 52 18 1556.52 -8.85 358.28 42.57 118.67 12 18 14 956.5 -4.96 351.65
100.00 20 3 6 5141.76 29.58 228.44 50.75 85.46 21 28 47 4541.8 28.63 219.76
110.00 12 41 53 1401.18 -12.12 344.54 40.61 122.21 13 5 14 801.2 -7.78 338.13
110.00 21 30 0 4869.87 33.35 207.31 50.26 82.02 22 51 10 4269.8 31.89 196.38

DIFFERENTIAL CORRECTIONS
TOE-3.1071 TRA 4.7498 TC3-2.1595 BAU .7877
RDE .1389 RRA .4231 RC3 -.1495 FAU .02251
FDE-2.2071 FRA 3.2540 FC3 -.7160 BAP 21997
BOE 3.1103 BRA 4.7886 BC3 2.1647 FSP -1352

MID-COURSE EXECUTION ACCURACY
SGT 6780.7 SGR 528.9 SG3 388.0
RRT .6795 RRF .6451 RTF .9852
SG8 6801.3 R23 -.0362 R13 .9851
SG1 6780.2 SG2 387.5 TMA 3.04

ORBIT DETERMINATION ACCURACY
ST 3779.2 SR 210.2 SS 1631.3
CRT -.3597 CRS .3729 CST -.9999
LSA 4116.9 MSA 197.1 SSA 13.5
EL1 3779.9 EL2 196.1 ALF 178.85

LAUNCH DATE MAY 2 1967 FLIGHT TIME 220.00 ARRIVAL DATE DEC 8 1967

DISTANCE 605.073

HELIOCENTRIC CONIC
RL 150.76 LAL .00 LOL 220.92 VL 26.963 GAL 10.13 AZL 92.96 MCA 275.67 SMA 128.40 ECC .24563 INC 2.9610 V1 29.555
RP 107.48 LAP 2.95 LOP 136.60 VP 37.895 GAP 10.74 AZP 90.29 TAL 144.39 TAP 60.06 RCA 96.86 APO 159.94 V2 35.258
RC 134.624 GL -14.58 GP -9.99 ZAL 37.79 ZAP 161.63 ETS 328.82 ZAE 120.95 ETE 186.81 ZAC 114.81 ETC 12.00 CLP-164.50

PLANETOCENTRIC CONIC
C3 29.686 VHL 5.448 DLA -15.60 RAL 179.25 RAD 6568.2 VEL 12.291 PTM 2.21 WHP 7.414 DPA 4.41 RAP 151.84 ECC 1.4885
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 10 45 18 1804.06 -7.96 16.98 45.49 117.26 11 15 22 1204.1 -4.24 10.25
90.00 18 34 26 5462.33 28.24 252.11 53.53 87.86 20 5 28 4862.3 27.65 243.50
100.00 11 58 4 1569.28 -9.27 359.00 44.79 118.55 12 24 13 969.3 -5.38 352.36
100.00 20 4 21 5172.34 29.72 230.70 53.45 86.64 21 50 33 4573.3 28.94 221.99
110.00 12 47 14 1415.27 -12.63 345.31 42.78 122.03 13 10 49 815.3 -8.31 338.88
110.00 21 31 40 4899.12 33.60 209.55 53.05 83.33 22 53 20 4299.1 32.32 200.56

DIFFERENTIAL CORRECTIONS
TOE-3.2686 TRA 5.0357 TC3-1.9752 BAU .7855
RDE .1684 RRA .4083 RC3 -.1272 FAU .01930
FDE-2.1375 FRA 3.1862 FC3 -.5653 BAP 22228
BOE 3.2730 BRA 5.0522 BC3 1.9793 FSP -1262

MID-COURSE EXECUTION ACCURACY
SGT 6831.9 SGR 499.3 SG3 361.8
RRT .6275 RRF .5921 RTF .9850
SG8 6850.1 R23 -.0359 R13 .9849
SG1 6839.1 SG2 388.4 TMA 2.63

ORBIT DETERMINATION ACCURACY
ST 3813.1 SR 222.0 SS 1587.6
CRT -.4584 CRS .4699 CST -.9999
LSA 4131.6 MSA 198.0 SSA 13.3
EL1 3814.4 EL2 197.2 ALF 178.47

LAUNCH DATE MAY 3 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 12 1967

HELIOCENTRIC CONIC

DISTANCE 129.398

RL 150.80 LAL .00 LOL 221.89 VL 15.647 GAL 25.44 AZL 90.21 MCA 36.58 SMA 87.58 ECC .78065 INC .2062 V1 29.547
 RP 108.65 LAP -.12 LOP 258.47 VP 30.456 GAP -49.92 AZP 90.17 TAL 172.05 TAP 208.64 RCA 19.21 APO 155.95 V2 34.877
 RC 80.398 GL -.18 GP 2.25 ZAL 67.81 ZAP 33.14 ETS 186.24 ZAE 138.87 ETE 174.91 ZAC 149.29 ETC 36.00 CLP 33.07

PLANETOCENTRIC CONIC

C3 277.150 VHL 16.648 OLA 9.85 RAL 155.90 RAD 6571.6 VEL 19.961 PTH 3.14 WHP 28.055 OPA 25.90 RAP 113.85 ECC 5.5612
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 48 47 3089.54 -27.34 102.80 63.46 82.33 6 40 17 2489.5 -28.12 94.32
 90.00 20 16 49 5112.44 24.81 227.18 53.78 75.89 21 42 1 4512.4 22.63 219.19
 100.00 7 14 59 2811.52 -29.00 82.71 63.71 82.40 8 1 51 2211.5 -29.75 73.98
 100.00 21 33 18 4865.69 26.43 208.58 53.33 75.50 22 54 24 4265.7 24.18 200.50
 110.00 8 34 16 2563.40 -33.46 64.55 64.40 82.57 9 17 0 1963.4 -34.13 55.38
 110.00 22 30 30 4686.57 30.78 193.65 51.99 74.33 23 48 36 4086.6 28.32 185.31

DIFFERENTIAL CORRECTIONS

TOE .7581 TRA-1.9459 TC3 -.1074 BAU .3990
 ROE-1.1880 RRA -.5979 RC3 .0072 FAU .01220
 FDE -.3129 FRA .6784 FC3 -.0381 B8P 1916
 BOE 1.4093 BRA 2.0357 BC3 .1077 F8P -50

MID-COURSE EXECUTION ACCURACY

86T 811.2 86R 459.8 863 25.0
 86T .0715 86R -.0640 RTF -.6120
 86B 932.4 823 .0003 R13 -.6124
 861 812.2 862 458.0 TMA 3.41

ORBIT DETERMINATION ACCURACY

ST 331.3 SR 413.7 SS 313.0
 CRT -.6852 CRS -.7411 CST .9949
 LSA 569.7 MSA 232.6 SSA 14.0
 EL1 489.1 EL2 204.1 ALF 125.96

LAUNCH DATE MAY 3 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 14 1967

HELIOCENTRIC CONIC

DISTANCE 134.928

RL 150.80 LAL .00 LOL 221.89 VL 16.430 GAL 24.31 AZL 90.49 MCA 39.75 SMA 89.06 ECC .75409 INC .4860 V1 29.547
 RP 108.69 LAP -.31 LOP 261.64 VP 30.854 GAP -47.68 AZP 90.37 TAL 171.22 TAP 210.98 RCA 21.90 APO 156.22 V2 34.867
 RC 78.089 GL -.46 GP 2.31 ZAL 66.52 ZAP 31.63 ETS 186.48 ZAE 139.06 ETE 174.31 ZAC 147.86 ETC 34.50 CLP 31.56

PLANETOCENTRIC CONIC

C3 252.419 VHL 15.888 OLA 9.12 RAL 157.02 RAD 6571.5 VEL 19.332 PTH 3.10 WHP 27.004 OPA 25.75 RAP 115.68 ECC 5.1542
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 59 7 3053.45 -27.64 100.30 63.30 83.59 6 50 0 2453.5 -28.24 91.69
 90.00 20 15 23 5124.19 25.00 227.98 54.28 76.25 21 40 47 4524.2 22.86 219.97
 100.00 7 24 54 2776.74 -29.28 80.16 63.50 83.71 8 11 11 2176.7 -29.85 71.40
 100.00 21 32 16 4876.14 26.61 209.30 53.84 75.84 22 53 32 4276.1 24.40 201.20
 110.00 8 43 18 2531.43 -33.72 62.09 64.06 84.01 9 25 29 1931.4 -34.18 52.88
 110.00 22 30 22 4684.21 30.92 194.20 52.54 74.63 23 48 36 4094.2 28.50 185.84

DIFFERENTIAL CORRECTIONS

TOE .7578 TRA-1.9640 TC3 -.1156 BAU .3911
 ROE-1.1438 RRA -.5881 RC3 .0087 FAU .01226
 FDE -.3282 FRA .7036 FC3 -.0420 B8P 1879
 BOE 1.3721 BRA 2.0502 BC3 .1159 F8P -54

MID-COURSE EXECUTION ACCURACY

86T 851.0 86R 465.9 863 27.0
 86T .0788 86R -.0689 RTF -.6296
 86B 970.2 823 .0016 R13 -.6299
 861 852.1 862 463.8 TMA 3.51

ORBIT DETERMINATION ACCURACY

ST 348.0 SR 417.5 SS 329.7
 CRT -.6805 CRS -.7433 CST .9942
 LSA 588.7 MSA 239.6 SSA 14.3
 EL1 500.1 EL2 212.9 ALF 127.47

LAUNCH DATE MAY 3 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 16 1967

HELIOCENTRIC CONIC

DISTANCE 140.572

RL 150.80 LAL .00 LOL 221.89 VL 17.165 GAL 23.25 AZL 90.73 MCA 42.92 SMA 90.56 ECC .72762 INC .7306 V1 29.547
 RP 108.72 LAP -.50 LOP 264.81 VP 31.240 GAP -45.56 AZP 90.54 TAL 170.39 TAP 213.32 RCA 24.67 APO 156.45 V2 34.857
 RC 75.805 GL -.76 GP 2.38 ZAL 65.28 ZAP 30.15 ETS 186.76 ZAE 139.32 ETE 173.66 ZAC 146.59 ETC 33.11 CLP 30.06

PLANETOCENTRIC CONIC

C3 230.022 VHL 15.166 OLA 8.38 RAL 158.07 RAD 6571.3 VEL 18.744 PTH 3.06 WHP 25.991 OPA 25.59 RAP 117.54 ECC 4.7856
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 9 9 3016.80 -27.89 97.65 63.01 84.90 6 59 26 2416.8 -28.31 89.01
 90.00 20 13 46 5135.16 25.18 228.74 54.68 76.59 21 39 21 4535.2 23.08 220.70
 100.00 7 34 53 2741.55 -29.52 77.56 63.17 85.06 8 20 14 2141.4 -29.89 68.77
 100.00 21 31 3 4885.85 26.76 209.98 54.25 76.17 22 52 29 4285.8 24.60 201.85
 110.00 8 52 3 2498.81 -33.92 59.57 63.60 85.49 9 33 42 1898.8 -34.17 50.33
 110.00 22 30 2 4781.15 31.04 194.71 52.99 74.91 23 48 23 4101.2 28.66 186.32

DIFFERENTIAL CORRECTIONS

TOE .7326 TRA-2.0072 TC3 -.1284 BAU .3980
 ROE-1.1005 RRA -.5779 RC3 .0102 FAU .01219
 FDE -.3407 FRA .7322 FC3 -.0459 B8P 1254
 BOE 1.3221 BRA 2.0887 BC3 .1288 F8P -51

MID-COURSE EXECUTION ACCURACY

86T 803.1 86R 471.7 863 29.2
 86T .0986 86R -.0783 RTF -.6416
 86B 1018.9 823 .0083 R13 -.6418
 861 804.8 862 468.5 TMA 4.03

ORBIT DETERMINATION ACCURACY

ST 360.0 SR 421.0 SS 345.1
 CRT -.6589 CRS -.7412 CST .9915
 LSA 602.8 MSA 249.8 SSA 14.7
 EL1 506.0 EL2 225.3 ALF 128.29

LAUNCH DATE MAY 3 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 18 1967

HELIOCENTRIC CONIC

DISTANCE 146.310

RL 150.80 LAL .00 LOL 221.89 VL 17.855 GAL 22.25 AZL 90.95 MCA 46.09 SMA 92.07 ECC .70132 INC .9475 V1 29.547
 RP 108.75 LAP -.68 LOP 267.98 VP 31.614 GAP -43.55 AZP 90.86 TAL 169.57 TAP 215.67 RCA 27.50 APO 156.65 V2 34.848
 RC 73.949 GL -1.08 GP 2.44 ZAL 64.09 ZAP 28.68 ETS 187.08 ZAE 139.67 ETE 172.95 ZAC 144.88 ETC 31.83 CLP 28.59

PLANETOCENTRIC CONIC

C3 209.853 VHL 14.479 OLA 7.64 RAL 159.06 RAD 6571.2 VEL 18.193 PTH 3.02 WHP 25.011 OPA 25.42 RAP 119.41 ECC 4.4504
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 18 58 2979.58 -28.09 94.95 62.58 86.24 7 8 32 2379.6 -28.31 86.29
 90.00 20 11 57 5145.25 25.33 229.44 54.86 76.91 21 37 42 4545.2 23.28 221.37
 100.00 7 43 53 2705.37 -29.70 74.80 62.70 86.45 8 28 59 2105.4 -29.88 66.10
 100.00 21 29 37 4884.69 26.91 210.80 54.55 76.46 22 51 12 4294.7 24.76 202.45
 110.00 9 0 31 2465.54 -34.07 58.88 62.99 87.01 9 41 37 1865.5 -34.11 47.73
 110.00 22 29 28 4707.29 31.15 195.15 53.32 75.15 23 47 56 4107.3 28.80 186.74

DIFFERENTIAL CORRECTIONS

TOE .7973 TRA-1.8592 TC3 -.1250 BAU .3521
 ROE-1.0553 RRA -.5646 RC3 .0123 FAU .01265
 FDE -.3649 FRA .7499 FC3 -.0522 B8P 2805
 BOE 1.3227 BRA 2.0390 BC3 .1256 F8P -72

MID-COURSE EXECUTION ACCURACY

86T 917.9 86R 475.9 863 31.6
 86T .0725 86R -.0725 RTF -.6713
 86B 1033.9 823 -.0061 R13 -.6717
 861 918.8 862 474.2 TMA 2.93

ORBIT DETERMINATION ACCURACY

ST 393.4 SR 423.0 SS 367.6
 CRT -.6965 CRS -.7534 CST .9951
 LSA 638.5 MSA 246.7 SSA 14.6
 EL1 532.3 EL2 224.3 ALF 132.02

LAUNCH DATE MAY 3 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 20 1967

HELIOCENTRIC CONIC

DISTANCE 152.155

RL 150.80 LAL .00 LOL 221.89 VL 18.500 GAL 21.30 AZL 91.14 MCA 49.26 SMA 93.60 ECC .67538 INC 1.1423 V1 29.547
 RP 108.77 LAP -.87 LOP 271.14 VP 31.974 GAP -41.64 A7P 90.75 TAL 168.76 TAP 218.03 RCA 30.38 APO 156.81 V2 34.839
 RC 71.325 GL -1.42 GP 2.52 ZAL 62.96 ZAP 27.24 ETS 187.44 ZAE 140.11 ETE 172.17 ZAC 143.34 ETC 30.64 CLP 27.14

PLANETOCENTRIC CONIC

C3 191.189 VHL 13.027 DLA 6.90 RAL 160.00 RAD 8571.0 VEL 17.678 PTH 2.98 VHP 24.066 DPA 25.22 RAP 121.30 ECC 4.1465
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 28 21 2941.68 -28.23 92.18 62.03 87.62 7 17 22 2341.7 -28.26 83.52
 90.00 20 9 56 5154.64 25.48 230.09 55.15 77.20 21 35 51 4554.6 23.46 222.00
 100.00 7 52 59 2668.69 -29.82 72.18 62.11 87.88 8 37 28 2068.7 -29.80 63.37
 100.00 21 27 59 4902.86 27.04 211.17 54.75 76.74 22 49 42 4302.9 24.94 203.00
 110.00 9 8 46 2431.54 -34.16 54.33 62.26 88.58 9 49 17 1831.5 -33.98 45.09
 110.00 22 28 42 4712.78 31.24 195.55 53.55 75.37 23 47 14 4112.8 28.92 187.12

DIFFERENTIAL CORRECTIONS

TOE .7906 TRA-1.9827 TC3 -.1345 BAW .3457
 RDE -1.0122 RRA -.5522 RC3 .0144 FAU .01272
 FDE -.3807 FRA .7768 FC3 -.0576 BAP 2651
 BOE 1.2844 BRA 2.0362 BC3 .1353 FAP -75

MID-COURSE EXECUTION ACCURACY

SGT 964.6 SGR 480.3 SG3 34.1
 RRT .0831 RRF -.0788 RTF -.6857
 SGB 1077.6 R23 -.0033 R13 -.6861
 SG1 965.7 SG2 478.0 TMA 3.14

ORBIT DETERMINATION ACCURACY

ST 411.2 SR 425.1 SS 385.5
 CRT -.6879 CR3 -.7541 CST .9940
 LSA 658.7 MSA 253.4 SSA 14.8
 EL1 543.4 EL2 233.5 ALF 135.62

LAUNCH DATE MAY 3 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 22 1967

HELIOCENTRIC CONIC

DISTANCE 158.089

RL 150.80 LAL .00 LOL 221.89 VL 19.106 GAL 20.39 AZL 91.32 MCA 52.43 SMA 95.13 ECC .64987 INC 1.3192 V1 29.547
 RP 108.80 LAP -1.05 LOP 274.31 VP 32.319 GAP -39.82 A7P 90.80 TAL 167.97 TAP 220.40 RCA 33.31 APO 156.95 V2 34.831
 RC 69.138 GL -1.79 GP 2.60 ZAL 61.88 ZAP 25.83 ETS 187.85 ZAE 140.64 ETE 171.33 ZAC 141.77 ETC 29.54 CLP 25.70

PLANETOCENTRIC CONIC

C3 174.398 VHL 13.206 DLA 6.16 RAL 160.87 RAD 8570.9 VEL 17.197 PTH 2.94 VHP 23.153 DPA 25.00 RAP 123.21 ECC 3.8701
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 57 33 2903.10 -28.30 89.36 61.36 89.04 7 25 56 2303.1 -28.14 80.70
 90.00 20 7 42 5163.29 25.61 230.69 55.23 77.48 21 33 46 4563.3 23.63 222.58
 100.00 8 1 49 2631.31 -29.89 69.40 61.39 89.34 8 45 40 2031.3 -29.66 60.60
 100.00 21 26 7 4910.31 27.15 211.70 54.83 76.99 22 47 58 4310.3 25.09 203.50
 110.00 9 18 45 2396.80 -34.18 51.62 61.41 90.18 9 56 42 1796.8 -33.78 42.39
 110.00 22 27 41 4717.59 31.33 195.90 53.67 75.56 23 46 18 4117.6 29.03 187.45

DIFFERENTIAL CORRECTIONS

TOE .7953 TRA-1.9936 TC3 -.1417 BAW .3326
 RDE -.9882 RRA -.5388 RC3 .0169 FAU .01288
 FDE -.3984 FRA .8026 FC3 -.0639 BAP 2790
 BOE 1.2537 BRA 2.0651 BC3 .1427 FAP -82

MID-COURSE EXECUTION ACCURACY

SGT 1007.9 SGR 483.8 SG3 36.8
 RRT .0877 RRF -.0835 RTF -.7022
 SGB 1118.0 R23 -.0038 R13 -.7025
 SG1 1009.1 SG2 481.4 TMA 3.12

ORBIT DETERMINATION ACCURACY

ST 432.8 SR 426.4 SS 404.8
 CRT -.6866 CR3 -.7565 CST .9936
 LSA 682.8 MSA 257.9 SSA 15.0
 EL1 557.9 EL2 240.5 ALF 135.62

LAUNCH DATE MAY 3 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 24 1967

HELIOCENTRIC CONIC

DISTANCE 164.110

RL 150.80 LAL .00 LOL 221.89 VL 19.675 GAL 19.53 AZL 91.48 MCA 55.60 SMA 96.66 ECC .62487 INC 1.4816 V1 29.547
 RP 108.82 LAP -1.22 LOP 277.47 VP 32.651 GAP -38.10 A7P 90.84 TAL 167.19 TAP 222.78 RCA 36.26 APO 157.05 V2 34.824
 RC 66.992 GL -2.18 GP 2.69 ZAL 60.86 ZAP 24.42 ETS 188.33 ZAE 141.25 ETE 170.39 ZAC 140.16 ETC 28.52 CLP 24.29

PLANETOCENTRIC CONIC

C3 159.125 VHL 12.614 DLA 5.41 RAL 161.69 RAD 8570.7 VEL 16.747 PTH 2.90 VHP 22.269 DPA 24.77 RAP 125.12 ECC 3.6188
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 46 31 2863.77 -28.31 86.49 60.57 90.48 7 34 14 2263.8 -27.95 77.84
 90.00 20 5 14 5171.26 25.72 231.24 55.20 77.73 21 31 26 4571.3 23.78 223.11
 100.00 8 10 24 2593.18 -29.88 68.56 60.55 90.83 8 53 38 1993.2 -29.45 57.79
 100.00 21 24 2 4917.09 27.25 212.17 54.82 77.22 22 45 59 4317.1 25.22 203.96
 110.00 9 24 30 2361.30 -34.14 48.84 60.43 91.82 10 3 51 1761.3 -33.51 39.66
 110.00 22 26 26 4721.74 31.40 196.21 53.67 75.73 23 45 7 4121.7 29.12 187.74

DIFFERENTIAL CORRECTIONS

TOE .7996 TRA-2.0040 TC3 -.1488 BAW .3192
 RDE -.9266 RRA -.5248 RC3 .0197 FAU .01306
 FDE -.4167 FRA .8289 FC3 -.0710 BAP 2931
 BOE 1.2239 BRA 2.0716 BC3 .1501 FAP -90

MID-COURSE EXECUTION ACCURACY

SGT 1053.0 SGR 486.7 SG3 39.7
 RRT .0925 RRF -.0885 RTF -.7179
 SGB 1160.0 R23 -.0042 R13 -.7183
 SG1 1054.2 SG2 484.1 TMA 3.11

ORBIT DETERMINATION ACCURACY

ST 455.3 SR 427.0 SS 424.7
 CRT -.6851 CR3 -.7587 CST .9931
 LSA 707.9 MSA 262.0 SSA 15.2
 EL1 573.2 EL2 247.0 ALF 137.68

LAUNCH DATE MAY 3 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 26 1967

HELIOCENTRIC CONIC

DISTANCE 170.211

RL 150.80 LAL .00 LOL 221.89 VL 20.209 GAL 18.70 AZL 91.63 MCA 58.76 SMA 98.18 ECC .60045 INC 1.6321 V1 29.547
 RP 108.84 LAP -1.40 LOP 280.64 VP 32.968 GAP -36.45 A7P 90.85 TAL 166.43 TAP 225.19 RCA 39.23 APO 157.13 V2 34.817
 RC 64.892 GL -2.59 GP 2.78 ZAL 59.88 ZAP 23.04 ETS 188.88 ZAE 141.97 ETE 169.37 ZAC 138.53 ETC 27.57 CLP 22.88

PLANETOCENTRIC CONIC

C3 145.224 VHL 12.051 DLA 4.65 RAL 162.44 RAD 8570.6 VEL 16.326 PTH 2.86 VHP 21.414 DPA 24.52 RAP 127.04 ECC 3.3900
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 55 14 2823.88 -28.26 83.55 59.85 91.95 7 42 18 2223.7 -27.69 74.93
 90.00 20 2 32 5178.60 25.83 231.76 55.06 77.97 21 28 51 4578.6 23.91 223.61
 100.00 8 18 46 2554.26 -29.81 63.67 59.59 92.35 9 1 20 1954.3 -29.16 54.93
 100.00 21 21 41 4923.25 27.35 212.61 54.69 77.43 22 43 45 4323.3 25.34 204.38
 110.00 9 32 1 2325.00 -34.03 46.01 59.33 93.50 10 10 46 1725.0 -33.17 36.88
 110.00 22 24 56 4725.28 31.46 196.46 53.57 75.87 23 43 41 4125.3 29.19 187.99

DIFFERENTIAL CORRECTIONS

TOE .8057 TRA-2.0114 TC3 -.1551 BAW .3044
 RDE -.8844 RRA -.5102 RC3 .0228 FAU .01327
 FDE -.4360 FRA .8554 FC3 -.0791 BAP 3128
 BOE 1.1984 BRA 2.0751 BC3 .1568 FAP -99

MID-COURSE EXECUTION ACCURACY

SGT 1098.7 SGR 489.0 SG3 42.8
 RRT .0966 RRF -.0934 RTF -.7336
 SGB 1202.8 R23 -.0053 R13 -.7339
 SG1 1099.9 SG2 486.1 TMA 3.06

ORBIT DETERMINATION ACCURACY

ST 479.3 SR 426.8 SS 445.5
 CRT -.6848 CR3 -.7610 CST .9927
 LSA 734.7 MSA 265.1 SSA 15.4
 EL1 589.9 EL2 252.7 ALF 139.82

LAUNCH DATE MAY 3 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 28 1967

HELIOCENTRIC CONIC

DISTANCE 176.386

RL 150.80 LAL .00 LOL 221.89 VL 20.710 GAL 17.91 AZL 91.77 MCA 61.93 SMA 99.69 ECC .57668 INC 1.7728 V1 29.547
 RP 108.86 LAP -1.56 LOP 283.80 VP 33.271 GAP -34.87 AZP 90.83 TAL 165.68 TAP 227.61 RCA 42.20 APO 157.18 V2 34.810
 RC 62.843 GL -3.04 GP 2.89 ZAL 58.97 ZAP 21.68 ETS 189.53 ZAE 142.78 ETE 168.23 ZAC 136.88 ETC 26.69 CLP 21.49

PLANETOCENTRIC CONIC

C3 132.570 VHL 11.514 OLA 3.89 RAL 163.14 RAD 6570.4 VEL 15.934 PTH 2.82 VHP 20.586 DPA 24.26 RAP 128.97 ECC 3.1818
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 3 44 2782.78 -28.12 80.57 58.63 93.44 7 50 7 2182.8 -27.35 71.99
 90.00 19 59 34 5185.38 25.92 232.23 54.82 78.19 21 25 59 4585.4 24.04 224.07
 100.00 8 26 53 2514.54 -29.66 60.73 58.52 93.89 9 8 48 1914.5 -28.81 52.03
 100.00 21 19 5 4928.85 27.43 213.00 54.46 77.63 22 41 14 4328.9 25.45 204.76
 110.00 9 39 19 2287.88 -33.83 43.13 58.13 95.19 10 17 27 1687.9 -32.75 34.06
 110.00 22 23 10 4728.28 31.50 196.68 53.36 75.99 23 41 58 4128.3 29.26 188.20

DIFFERENTIAL CORRECTIONS

TDE .8087 TRA-2.0205 TC3 -.1619 BAU .2907
 RDE -.8428 RRA -.4953 RC3 .0264 FAU .01350
 FDE -.4556 FRA .8829 FC3 -.0882 BAP 3266
 BDE 1.1680 BRA 2.0803 BC3 .1640 FSP -108

MID-COURSE EXECUTION ACCURACY

SGT 1147.4 SGR 490.5 SG3 46.2
 RRT .1023 RRF -.0991 RTF -.7479
 SGB 1247.8 R23 -.0058 R13 -.7482
 SGI 1148.7 SGT 487.4 TMA 3.05

ORBIT DETERMINATION ACCURACY

ST 503.5 SR 425.9 SS 466.8
 CRT -.6827 CRS -.7629 CST .9922
 LSA 762.0 MSA 268.2 SSA 15.6
 EL1 606.8 EL2 258.2 ALF 141.92

LAUNCH DATE MAY 3 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 30 1967

HELIOCENTRIC CONIC

DISTANCE 182.631

RL 150.80 LAL .00 LOL 221.89 VL 21.180 GAL 17.15 AZL 91.91 MCA 65.09 SMA 101.19 ECC .55358 INC 1.9054 V1 29.547
 RP 108.88 LAP -1.73 LOP 286.96 VP 33.560 GAP -33.36 AZP 90.80 TAL 164.96 TAP 230.05 RCA 45.17 APO 157.20 V2 34.805
 RC 80.850 GL -3.51 GP 3.00 ZAL 58.11 ZAP 20.33 ETS 190.30 ZAE 143.69 ETE 166.96 ZAC 135.20 ETC 25.87 CLP 20.11

PLANETOCENTRIC CONIC

C3 121.047 VHL 11.002 OLA 3.12 RAL 163.77 RAD 6570.3 VEL 15.569 PTH 2.77 VHP 19.784 DPA 23.98 RAP 130.91 ECC 2.9921
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 12 1 2741.04 -27.92 77.53 57.49 94.95 7 57 42 2141.0 -26.94 69.00
 90.00 19 56 19 5191.68 26.01 232.67 54.47 78.39 21 22 51 4591.7 24.15 224.49
 100.00 8 34 49 2473.97 -29.44 57.74 57.34 95.45 9 16 2 1874.0 -28.57 49.09
 100.00 21 16 13 4933.97 27.50 213.37 54.12 77.80 22 38 27 4334.0 25.54 205.11
 110.00 9 46 24 2249.93 -33.56 40.80 56.81 96.90 10 23 53 1649.9 -32.24 31.22
 110.00 22 21 7 4730.78 31.55 196.87 53.04 76.09 23 39 58 4130.8 29.31 188.57

DIFFERENTIAL CORRECTIONS

TDE .8139 TRA-2.0280 TC3 -.1675 BAU .2755
 RDE -.8017 RRA -.4800 RC3 .0303 FAU .01376
 FDE -.4764 FRA .9107 FC3 -.0984 BAP 3466
 BDE 1.1424 BRA 2.0821 BC3 .1702 FSP -118

MID-COURSE EXECUTION ACCURACY

SGT 1196.7 SGR 491.3 SG3 49.9
 RRT .1071 RRF -.1049 RTF -.7622
 SGB 1293.6 R23 -.0070 R13 -.7625
 SGI 1198.1 SGT 488.0 TMA 3.02

ORBIT DETERMINATION ACCURACY

ST 529.4 SR 424.2 SS 489.2
 CRT -.6821 CRS -.7650 CST .9918
 LSA 791.3 MSA 270.3 SSA 15.7
 EL1 625.5 EL2 262.5 ALF 144.07

LAUNCH DATE MAY-- 3 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 1 1967

HELIOCENTRIC CONIC

DISTANCE 188.940

RL 150.80 LAL .00 LOL 221.89 VL 21.621 GAL 16.42 AZL 92.03 MCA 68.25 SMA 102.67 ECC .53121 INC 2.0313 V1 29.547
 RP 108.90 LAP -1.89 LOP 290.13 VP 33.835 GAP -31.92 AZP 90.75 TAL 164.27 TAP 232.52 RCA 48.13 APO 157.20 V2 34.800
 RC 58.919 GL -4.01 GP 3.13 ZAL 57.31 ZAP 18.99 ETS 191.21 ZAE 144.70 ETE 165.54 ZAC 133.51 ETC 25.10 CLP 18.74

PLANETOCENTRIC CONIC

C3 110.554 VHL 10.514 OLA 2.34 RAL 164.34 RAD 6570.1 VEL 15.228 PTH 2.73 VHP 19.008 DPA 23.68 RAP 132.85 ECC 2.8194
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 20 6 2698.43 -27.63 74.45 56.26 96.47 8 5 4 2098.4 -26.44 65.98
 90.00 19 52 47 5197.58 26.09 233.08 54.02 78.59 21 19 25 4597.6 24.25 224.90
 100.00 8 42 32 2432.55 -29.13 54.69 56.06 97.03 9 23 4 1832.5 -27.85 46.12
 100.00 21 13 2 4938.70 27.57 213.70 53.68 77.97 22 35 21 4338.7 25.63 205.44
 110.00 9 53 16 2211.13 -33.20 37.23 55.40 98.63 10 30 7 1611.1 -31.66 28.35
 110.00 22 18 47 4732.88 31.58 197.02 52.62 76.18 23 37 40 4132.9 29.36 188.52

DIFFERENTIAL CORRECTIONS

TDE .8188 TRA-2.0302 TC3 -.1725 BAU .2602
 RDE -.7611 RRA -.4645 RC3 .0348 FAU .01406
 FDE -.4982 FRA .9392 FC3 -.1101 BAP 3670
 BDE 1.1179 BRA 2.0827 BC3 .1760 FSP -129

MID-COURSE EXECUTION ACCURACY

SGT 1247.7 SGR 491.5 SG3 53.9
 RRT .1123 RRF -.1111 RTF -.7759
 SGB 1341.0 R23 -.0083 R13 -.7762
 SGI 1249.1 SGT 487.8 TMA 2.99

ORBIT DETERMINATION ACCURACY

ST 556.4 SR 421.6 SS 512.5
 CRT -.6813 CRS -.7669 CST .9913
 LSA 822.1 MSA 271.8 SSA 15.9
 EL1 645.4 EL2 266.1 ALF 146.20

LAUNCH DATE MAY 3 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 3 1967

HELIOCENTRIC CONIC

DISTANCE 195.307

RL 150.80 LAL .00 LOL 221.89 VL 22.035 GAL 15.72 AZL 92.15 MCA 71.41 SMA 104.12 ECC .50958 INC 2.1517 V1 29.547
 RP 108.91 LAP -2.04 LOP 293.29 VP 34.096 GAP -30.53 AZP 90.69 TAL 163.60 TAP 235.01 RCA 51.06 APO 157.18 V2 34.795
 RC 57.057 GL -4.54 GP 3.26 ZAL 56.56 ZAP 17.68 ETS 192.30 ZAE 145.81 ETE 163.93 ZAC 131.80 ETC 24.39 CLP 17.38

PLANETOCENTRIC CONIC

C3 101.002 VHL 10.050 OLA 1.55 RAL 164.84 RAD 6570.0 VEL 14.911 PTH 2.69 VHP 18.256 DPA 23.38 RAP 134.79 ECC 2.6622
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 28 0 2654.94 -27.26 71.32 54.93 97.99 8 12 15 2054.9 -25.87 62.93
 90.00 19 48 56 5203.21 26.17 233.48 53.47 78.77 21 15 39 4603.2 24.35 225.28
 100.00 8 50 3 2390.24 -28.74 51.61 54.68 98.60 9 29 54 1790.2 -27.25 43.12
 100.00 21 9 33 4943.14 27.63 214.02 53.14 78.12 22 31 56 4343.1 25.72 205.74
 110.00 9 59 57 2171.47 -32.76 34.22 53.90 100.36 10 36 8 1571.5 -30.98 25.45
 110.00 22 16 9 4734.67 31.61 197.15 52.10 76.25 23 35 3 4134.7 29.40 188.64

DIFFERENTIAL CORRECTIONS

TDE .8235 TRA-2.0329 TC3 -.1768 BAU .2447
 RDE -.7211 RRA -.4488 RC3 .0398 FAU .01439
 FDE -.5212 FRA .9688 FC3 -.1233 BAP 3882
 BDE 1.0946 BRA 2.0819 BC3 .1812 FSP -142

MID-COURSE EXECUTION ACCURACY

SGT 1300.3 SGR 490.8 SG3 58.3
 RRT .1181 RRF -.1180 RTF -.7889
 SGB 1389.9 R23 -.0097 R13 -.7893
 SGI 1301.8 SGT 486.8 TMA 2.97

ORBIT DETERMINATION ACCURACY

ST 584.4 SR 418.2 SS 536.8
 CRT -.6805 CRS -.7688 CST .9909
 LSA 854.4 MSA 272.6 SSA 16.0
 EL1 666.5 EL2 268.7 ALF 148.30

LAUNCH DATE MAY 3 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 5 1967

HELIOCENTRIC CONIC

DISTANCE 201.729

RL 150.80 LAL .00 LOL 221.89 VL 22.423 GAL 15.05 AZL 92.27 MCA 74.57 SMA 105.55 ECC .48871 INC 2.2678 VI 29.547
 RP 108.92 LAP -2.19 LOP 296.45 VP 34.345 GAP -29.20 AZP 90.60 TAL 162.95 TAP 237.53 RCA 53.97 APO 157.13 V2 34.792
 RC 55.270 GL -5.12 GP 3.41 ZAL 55.88 ZAP 16.38 ETS 193.61 ZAE 147.02 ETE 162.11 ZAC 130.07 ETC 23.73 CLP 16.03

PLANETOCENTRIC CONIC

C3 92.308 VHL 9.608 OLA .74 RAL 165.29 RAD 6569.8 VEL 14.617 PTM 2.65 VMP 17.528 DPA 23.06 RAP 136.73 ECC 2.5192
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 35 44 2610.53 -26.80 68.15 53.51 99.52 8 19 14 2010.5 -25.21 59.84
 90.00 19 44 44 5208.68 26.24 233.86 52.83 78.95 21 11 32 4608.7 24.45 225.65
 100.00 8 57 25 2347.04 -28.26 48.49 53.23 100.18 9 36 32 1747.0 -26.56 40.10
 100.00 21 5 44 4947.40 27.69 214.32 52.50 78.27 22 28 11 4347.4 25.79 206.03
 110.00 10 6 27 2130.96 -32.22 31.18 52.32 102.08 10 41 58 1531.0 -30.22 22.54
 110.00 22 13 11 4736.25 31.63 197.27 51.48 76.32 23 32 7 4136.2 29.43 188.76

DIFFERENTIAL CORRECTIONS

TDE .8254 TRA-2.0368 TC3 -.1812 BAU .2306
 RDE -.6818 RRA -.4332 RC3 .0453 FAU .01473
 FDE -.5451 FRA .9992 FC3 -.1381 BSP 4033
 BDE 1.0706 BRA 2.0824 BC3 .1868 FSP -154

MID-COURSE EXECUTION ACCURACY

SGT 1356.2 SGR 489.5 SG3 63.0
 RRT -.1256 RRF -.1259 RTF -.8007
 SGB 1441.8 R23 -.0107 R13 -.8010
 SGI 1357.8 SG2 485.1 TMA 2.98

ORBIT DETERMINATION ACCURACY

ST 612.5 SR 413.9 SS 561.9
 CRT -.6781 CRS -.7701 CST .9902
 LSA 887.3 MSA 273.5 SSA 16.1
 EL1 687.8 EL2 270.9 ALF 150.33

LAUNCH DATE MAY 3 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 7 1967

HELIOCENTRIC CONIC

DISTANCE 208.199

RL 150.80 LAL .00 LOL 221.89 VL 22.787 GAL 14.41 AZL 92.38 MCA 77.73 SMA 106.95 ECC .46863 INC 2.3803 VI 29.547
 RP 108.93 LAP -2.33 LOP 299.61 VP 34.580 GAP -27.93 AZP 90.51 TAL 162.34 TAP 240.07 RCA 56.83 APO 157.07 V2 34.789
 RC 55.586 GL -5.73 GP 3.57 ZAL 55.25 ZAP 15.09 ETS 195.20 ZAE 148.33 ETE 160.04 ZAC 128.33 ETC 23.11 CLP 14.67

PLANETOCENTRIC CONIC

C3 84.397 VHL 9.187 OLA -.08 RAL 165.86 RAD 6569.7 VEL 14.344 PTM 2.61 VMP 16.823 DPA 22.74 RAP 138.66 ECC 2.3890
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 43 18 2565.21 -26.25 64.95 52.02 101.03 8 26 3 1965.2 -24.46 56.73
 90.00 19 40 10 5214.12 26.31 234.25 52.09 79.13 21 7 4 4614.1 24.54 226.02
 100.00 9 4.36 2302.94 -27.69 45.34 51.69 101.75 9 42 59 1702.9 -25.79 37.05
 100.00 21 1 33 4951.62 27.75 214.62 51.77 78.42 22 24 4 4351.6 25.87 206.32
 110.00 10 12 46 2089.59 -31.59 28.12 50.67 103.79 10 47 36 1489.6 -29.37 19.62
 110.00 22 9 52 4737.74 31.66 197.36 50.76 76.38 23 28 50 4137.7 29.46 188.86

DIFFERENTIAL CORRECTIONS

TDE .8295 TRA-2.0368 TC3 -.1836 BAU .2152
 RDE -.8431 RRA -.4176 RC3 .0515 FAU .01513
 FDE -.5708 FRA 1.0305 FC3 -.1552 BSP 4245
 BDE 1.0496 BRA 2.0791 BC3 .1907 FSP -169

MID-COURSE EXECUTION ACCURACY

SGT 1412.5 SGR 487.5 SG3 68.1
 RRT .1328 RRF -.1343 RTF -.8125
 SGB 1494.2 R23 -.0123 R13 -.8128
 SGI 1414.1 SG2 482.6 TMA 2.97

ORBIT DETERMINATION ACCURACY

ST 642.6 SR 408.6 SS 588.5
 CRT -.6769 CRS -.7717 CST .9897
 LSA 922.8 MSA 272.9 SSA 16.3
 EL1 711.4 EL2 271.7 ALF 152.34

LAUNCH DATE MAY 3 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC

DISTANCE 214.713

RL 150.80 LAL .00 LOL 221.89 VL 23.128 GAL 13.79 AZL 92.49 MCA 80.89 SMA 108.32 ECC .44933 INC 2.4901 VI 29.547
 RP 108.94 LAP -2.46 LOP 302.77 VP 34.804 GAP -26.70 AZP 90.39 TAL 161.75 TAP 242.65 RCA 59.65 APO 156.99 V2 34.786
 RC 51.953 GL -6.38 GP 3.75 ZAL 54.69 ZAP 13.83 ETS 197.17 ZAE 149.73 ETE 157.64 ZAC 126.58 ETC 22.53 CLP 13.32

PLANETOCENTRIC CONIC

C3 77.204 VHL 8.787 OLA -.92 RAL 165.97 RAD 6569.5 VEL 14.091 PTM 2.57 VMP 16.140 DPA 22.41 RAP 140.60 ECC 2.2706
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 50 44 2518.95 -25.60 61.71 50.46 102.53 8 32 43 1919.0 -23.62 53.60
 90.00 19 35 13 5219.69 26.38 234.64 51.26 79.31 21 2 12 4619.7 24.64 226.40
 100.00 9 11 39 2257.94 -27.02 42.16 50.09 103.29 9 49 17 1657.9 -24.92 33.98
 100.00 20 56 59 4955.94 27.81 214.93 50.95 78.57 22 19 35 4355.9 25.95 206.62
 110.00 10 18 55 2047.37 -30.87 25.05 48.97 105.48 10 53 3 1447.4 -28.43 16.69
 110.00 22 6 12 4739.27 31.68 197.49 49.96 76.44 23 25 11 4139.3 29.49 188.97

DIFFERENTIAL CORRECTIONS

TDE .8338 TRA-2.0345 TC3 -.1845 BAU .1998
 RDE -.8050 RRA -.4022 RC3 .0584 FAU .01557
 FDE -.5982 FRA 1.0828 FC3 -.1746 BSP 4467
 BDE 1.0302 BRA 2.0739 BC3 .1936 FSP -185

MID-COURSE EXECUTION ACCURACY

SGT 1470.1 SGR 484.7 SG3 73.7
 RRT .1407 RRF -.1437 RTF -.8237
 SGB 1548.0 R23 -.0142 R13 -.8241
 SGI 1471.9 SG2 479.3 TMA 2.97

ORBIT DETERMINATION ACCURACY

ST 673.9 SR 402.3 SS 616.6
 CRT -.6758 CRS -.7731 CST .9893
 LSA 960.2 MSA 271.8 SSA 16.4
 EL1 736.5 EL2 271.4 ALF 154.29

LAUNCH DATE MAY 3 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 221.267

RL 150.80 LAL .00 LOL 221.89 VL 23.448 GAL 13.19 AZL 92.60 MCA 84.05 SMA 109.65 ECC .43082 INC 2.5980 VI 29.547
 RP 108.94 LAP -2.58 LOP 305.93 VP 35.016 GAP -25.52 AZP 90.27 TAL 161.20 TAP 245.26 RCA 62.41 APO 156.89 V2 34.785
 RC 50.440 GL -7.07 GP 3.95 ZAL 54.19 ZAP 12.60 ETS 199.62 ZAE 151.20 ETE 154.87 ZAC 124.82 ETC 21.99 CLP 11.97

PLANETOCENTRIC CONIC

C3 70.867 VHL 8.406 OLA -1.77 RAL 166.22 RAD 6569.4 VEL 13.857 PTM 2.53 VMP 15.478 DPA 22.09 RAP 142.53 ECC 2.1630
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 58 3 2471.76 -24.86 58.45 48.83 104.01 8 39 15 1871.8 -22.69 50.45
 90.00 19 29 50 5225.57 26.45 235.05 50.36 79.51 20 56 56 4625.6 24.74 226.80
 100.00 9 18 35 2212.02 -26.26 38.96 48.43 104.82 9 55 27 1612.0 -23.97 30.91
 100.00 20 52 0 4980.54 27.87 215.26 50.05 78.73 22 14 41 4360.5 26.03 206.94
 110.00 10 24 56 2004.31 -30.04 21.96 47.21 107.13 10 58 20 1404.3 -27.41 13.76
 110.00 22 2 8 4741.01 31.71 197.62 49.08 76.51 23 21 9 4141.0 29.53 189.09

DIFFERENTIAL CORRECTIONS

TDE .8379 TRA-2.0306 TC3 -.1839 BAU .1846
 RDE -.5676 RRA -.3870 RC3 .0860 FAU .01605
 FDE -.6276 FRA 1.0984 FC3 -.1967 BSP 4687
 BDE 1.0121 BRA 2.0672 BC3 .1954 FSP -202

MID-COURSE EXECUTION ACCURACY

SGT 1529.4 SGR 481.3 SG3 79.7
 RRT .1497 RRF -.1543 RTF -.8343
 SGB 1603.4 R23 -.0162 R13 -.8347
 SGI 1531.3 SG2 475.3 TMA 2.99

ORBIT DETERMINATION ACCURACY

ST 706.3 SR 394.9 SS 646.0
 CRT -.6744 CRS -.7742 CST .9888
 LSA 999.5 MSA 270.0 SSA 16.5
 EL1 762.8 EL2 270.0 ALF 156.18

LAUNCH DATE MAY 3 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC

DISTANCE 227.855

RL 150.80 LAL .00 LOL 221.89 VL 23.747 GAL 12.62 AZL 92.70 MCA 87.21 SMA 110.94 ECC .41310 INC 2.7047 V1 29.547
 RP 108.94 LAP -2.70 LOP 309.10 VP 35.216 GAP -24.38 AZP 90.13 TAL 160.68 TAP 247.90 RCA 65.11 APO 156.77 V2 34.784
 RC 49.035 GL -7.81 GP 4.16 ZAL 53.76 ZAP 11.40 ETS 202.70 ZAE 152.73 ETE 151.62 ZAC 123.05 ETC 21.49 CLP 10.62

PLANETOCENTRIC CONIC

C3 64.731 VHL 8.046 OLA -2.65 RAL 166.39 RAD 6569.2 VEL 13.641 PTH 2.49 VHP 14.837 DPA 21.76 RAP 144.45 ECC 2.0653
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 5 17 2423.61 -24.03 55.17 47.16 105.45 8 45 40 1823.6 -21.68 47.29
 90.00 19 24 0 5231.93 26.53 235.50 49.57 79.72 20 51 12 4631.9 24.84 227.24
 100.00 9 25 23 2165.20 -25.41 35.74 46.73 106.30 10 1 28 1565.2 -22.93 27.82
 100.00 20 46 35 4965.58 27.94 215.62 49.07 78.91 22 9 20 4365.6 26.12 207.28
 110.00 10 30 48 1960.43 -29.12 18.88 45.41 108.75 11 3 28 1360.4 -26.29 10.84
 110.00 21 57 40 4743.11 31.74 197.77 48.12 76.60 23 16 43 4143.1 29.58 189.24

DIFFERENTIAL CORRECTIONS

TDE .8425 TRA-2.0247 TC3 -.1813 BAU .1696
 ROE -.5308 RRA -.3723 RC3 .0744 FAU .01659
 FDE -.6593 FRA 1.1313 FC3 -.2219 BSP 4912
 BOE .9957 BRA 2.0587 BC3 .1960 FSP -222

MID-COURSE EXECUTION ACCURACY

SGT 1590.2 SGR 477.1 SG3 86.3
 RRT .1600 RRF -.1663 RTF -.8444
 SGB 1660.2 R23 -.0185 R13 -.8448
 SGI 1592.2 SGT 470.4 TMA 3.01

ORBIT DETERMINATION ACCURACY

ST 740.0 SR 386.3 SS 677.2
 CRT -.6728 CRS -.7750 CST .9884
 LSA 1041.0 MSA 267.5 SSA 16.6
 EL1 790.7 EL2 267.4 ALF 158.00

LAUNCH DATE MAY 3 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC

DISTANCE 234.475

RL 150.80 LAL .00 LOL 221.89 VL 24.027 GAL 12.08 AZL 92.81 MCA 90.37 SMA 112.20 ECC .39616 INC 2.8107 V1 29.547
 RP 108.94 LAP -2.81 LOP 312.26 VP 35.405 GAP -23.28 AZP 89.98 TAL 160.20 TAP 250.57 RCA 67.75 APO 156.65 V2 34.784
 RC 47.750 GL -8.60 GP 4.40 ZAL 53.40 ZAP 10.24 ETS 206.65 ZAE 154.29 ETE 147.81 ZAC 121.28 ETC 21.02 CLP 9.26

PLANETOCENTRIC CONIC

C3 59.347 VHL 7.704 OLA -3.55 RAL 166.50 RAD 6569.1 VEL 13.443 PTH 2.46 VHP 14.216 DPA 21.44 RAP 146.37 ECC 1.9767
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 12 26 2374.50 -23.10 51.87 45.45 106.85 8 52 0 1774.5 -20.57 44.11
 90.00 19 17 41 5238.99 26.62 236.00 48.31 79.96 20 45 0 4639.0 24.96 227.72
 100.00 9 32 6 2117.46 -24.46 32.51 44.99 107.75 10 7 24 1517.5 -21.80 24.72
 100.00 20 40 41 4971.26 28.01 216.02 48.02 79.11 22 3 33 4371.3 26.22 207.68
 110.00 10 36 33 1915.74 -28.10 15.80 43.58 110.31 11 8 28 1315.7 -25.08 7.93
 110.00 21 52 45 4745.74 31.79 197.97 47.09 76.71 23 11 50 4145.7 29.63 189.42

DIFFERENTIAL CORRECTIONS

TDE .8473 TRA-2.0169 TC3 -.1767 BAU .1551
 ROE -.4947 RRA -.3581 RC3 .0836 FAU .01718
 FDE -.6936 FRA 1.1678 FC3 -.2506 BSP 5141
 BOE .9812 BRA 2.0485 BC3 .1955 FSP -243

MID-COURSE EXECUTION ACCURACY

SGT 1652.3 SGR 472.4 SG3 93.6
 RRT .1718 RRF -.1801 RTF -.8540
 SGB 1718.5 R23 -.0211 R13 -.8544
 SGI 1654.5 SGT 464.7 TMA 3.05

ORBIT DETERMINATION ACCURACY

ST 774.9 SR 376.5 SS 710.3
 CRT -.6710 CRS -.7755 CST .9879
 LSA 1084.7 MSA 264.4 SSA 16.7
 EL1 820.2 EL2 263.8 ALF 159.76

LAUNCH DATE MAY 3 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 241.122

RL 150.80 LAL .00 LOL 221.89 VL 24.289 GAL 11.55 AZL 92.92 MCA 93.53 SMA 113.41 ECC .38001 INC 2.9169 V1 29.547
 RP 108.94 LAP -2.91 LOP 315.42 VP 35.584 GAP -22.25 AZP 89.82 TAL 159.75 TAP 253.29 RCA 70.31 APO 156.51 V2 34.785
 RC 46.594 GL -9.44 GP 4.66 ZAL 53.11 ZAP 9.16 ETS 211.74 ZAE 155.84 ETE 143.30 ZAC 119.51 ETC 20.58 CLP 7.89

PLANETOCENTRIC CONIC

C3 54.469 VHL 7.380 OLA -4.48 RAL 166.53 RAD 6569.0 VEL 13.260 PTH 2.42 VHP 13.615 DPA 21.12 RAP 148.28 ECC 1.8964
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 19 31 2324.43 -22.07 48.56 43.71 108.20 8 58 16 1724.4 -19.38 40.92
 90.00 19 10 50 5246.96 26.71 236.57 47.20 80.23 20 38 17 4647.0 25.09 228.27
 100.00 9 38 46 2068.82 -23.41 29.28 43.22 109.14 10 13 14 1468.8 -20.58 21.62
 100.00 20 34 17 4977.80 28.09 216.49 46.91 79.34 21 57 15 4377.8 26.34 208.13
 110.00 10 42 11 1870.27 -26.99 12.73 41.74 111.82 11 13 21 1270.3 -23.79 5.03
 110.00 21 47 21 4749.12 31.84 198.22 46.00 76.84 23 6 30 4149.1 29.70 189.66

DIFFERENTIAL CORRECTIONS

TDE .8524 TRA-2.0071 TC3 -.1695 BAU .1411
 ROE -.4591 RRA -.3445 RC3 .0938 FAU .01783
 FDE -.7310 FRA 1.2060 FC3 -.2834 BSP 5375
 BOE .9682 BRA 2.0365 BC3 .1937 FSP -266

MID-COURSE EXECUTION ACCURACY

SGT 1715.6 SGR 467.1 SG3 101.5
 RRT .1856 RRF -.1960 RTF -.8630
 SGB 1778.1 R23 -.0239 R13 -.8635
 SGI 1718.0 SGT 458.3 TMA 3.12

ORBIT DETERMINATION ACCURACY

ST 811.1 SR 365.4 SS 745.5
 CRT -.6686 CRS -.7754 CST .9875
 LSA 1130.9 MSA 260.6 SSA 16.7
 EL1 851.1 EL2 259.0 ALF 161.46

LAUNCH DATE MAY 3 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 247.791

RL 150.80 LAL .00 LOL 221.89 VL 24.534 GAL 11.05 AZL 93.02 MCA 96.69 SMA 114.58 ECC .36462 INC 3.0238 V1 29.547
 RP 108.94 LAP -3.00 LOP 318.59 VP 35.753 GAP -21.21 AZP 89.65 TAL 159.34 TAP 256.03 RCA 72.80 APO 156.36 V2 34.786
 RC 45.578 GL -10.34 GP 4.95 ZAL 52.90 ZAP 8.18 ETS 218.36 ZAE 157.32 ETE 137.97 ZAC 117.73 ETC 20.16 CLP 6.51

PLANETOCENTRIC CONIC

C3 50.056 VHL 7.075 OLA -5.44 RAL 166.48 RAD 6568.8 VEL 13.093 PTH 2.39 VHP 13.034 DPA 20.82 RAP 150.18 ECC 1.8238
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 26 36 2273.38 -20.95 45.24 41.95 109.50 9 4 29 1673.4 -18.10 37.72
 90.00 19 3 25 5256.08 26.81 237.21 46.02 80.54 20 31 1 4656.1 25.23 228.90
 100.00 9 45 22 2019.26 -22.26 26.04 41.43 110.48 10 19 2 1419.3 -19.28 18.52
 100.00 20 27 20 4985.43 28.19 217.04 45.75 79.62 21 50 25 4385.4 26.47 208.66
 110.00 10 47 44 1824.03 -25.78 9.68 39.89 113.26 11 18 8 1224.0 -22.41 2.15
 110.00 21 41 28 4753.43 31.90 198.54 44.86 77.02 23 0 41 4153.4 29.79 189.96

DIFFERENTIAL CORRECTIONS

TDE .8583 TRA-1.9953 TC3 -.1596 BAU .1278
 ROE -.4241 RRA -.3318 RC3 .1049 FAU .01854
 FDE -.7719 FRA 1.2480 FC3 -.3207 BSP 5607
 BOE .9573 BRA 2.0227 BC3 .1909 FSP -291

MID-COURSE EXECUTION ACCURACY

SGT 1780.1 SGR 461.3 SG3 110.1
 RRT .2017 RRF -.2145 RTF -.8716
 SGB 1838.9 R23 -.0272 R13 -.8721
 SGI 1782.7 SGT 451.1 TMA 3.20

ORBIT DETERMINATION ACCURACY

ST 848.7 SR 352.9 SS 782.9
 CRT -.6656 CRS -.7745 CST .9871
 LSA 1179.8 MSA 256.3 SSA 16.8
 EL1 883.6 EL2 252.9 ALF 163.10

LAUNCH DATE MAY 3 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 254.480

RL 150.80 LAL .00 LOL 221.89 VL 24.763 GAL 10.57 AZL 93.13 MCA 99.85 SMA 115.71 ECC .34999 INC 3.1321 V1 29.547
 RP 108.93 LAP -3.09 LOP 321.75 VP 35.913 GAP -20.22 AZP 89.46 TAL 158.97 TAP 258.82 RCA 75.21 APO 156.21 V2 34.788
 RC 44.711 GL -11.30 GP 5.28 ZAL 52.76 ZAP 7.35 ETS 226.90 ZAE 158.68 ETE 131.72 ZAC 115.96 ETC 19.77 CLP 5.12

PLANETOCENTRIC CONIC

C3 46.069 VML 6.787 DLA -6.43 RAL 166.37 RAD 6568.7 VEL 12.940 PTH 2.36 VMP 12.471 DPA 20.54 RAP 152.07 ECC 1.7582
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 33 41 2221.32 -19.73 41.91 40.17 110.73 9 10 43 1621.3 -16.74 34.51
 90.00 18 55 23 5266.62 26.93 237.96 44.80 80.89 20 23 9 4666.6 25.39 229.63
 100.00 9 51 58 1968.78 -21.03 22.80 39.64 111.75 10 24 47 1368.8 -17.89 15.41
 100.00 20 19 47 4994.39 28.30 217.68 44.54 79.94 21 43 1 4394.4 26.62 209.28
 110.00 10 53 13 1777.03 -24.49 6.64 38.03 114.63 11 22 50 1177.0 -20.96 359.28
 110.00 21 35 2 4758.91 31.99 198.94 43.68 77.25 22 54 21 4158.9 29.90 190.35

DIFFERENTIAL CORRECTIONS

TOE .8648 TRA-1.9812 TC3 -.1466 BAU .1155
 RDE -.3895 RRA -.3196 RC3 .1171 FAU .01932
 FDE -.8168 FRA 1.2882 FC3 -.3631 BSP 5839
 BOE .9485 BRA 2.0089 BC3 .1876 FSP -319

MID-COURSE EXECUTION ACCURACY

SGT 1845.3 SGR 455.1 SG3 119.6
 RRT .2207 RRF -.2361 RTF -.8797
 SGB 1900.6 R23 -.0309 R13 -.8802
 SG1 1848.2 SG2 443.2 TMA 3.31

ORBIT DETERMINATION ACCURACY

ST 887.6 SR 338.8 SS 823.0
 CRT -.6616 CRS -.7725 CST .9868
 LSA 1231.5 MSA 251.3 SSA 16.8
 EL1 917.8 EL2 245.7 ALF 164.71

LAUNCH DATE MAY 3 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 261.185

RL 150.80 LAL .00 LOL 221.89 VL 24.977 GAL 10.11 AZL 93.24 MCA 103.01 SMA 116.79 ECC .33610 INC 3.2425 V1 29.547
 RP 108.92 LAP -3.16 LOP 324.92 VP 36.063 GAP -19.27 AZP 89.27 TAL 158.63 TAP 261.64 RCA 77.54 APO 156.05 V2 34.791
 RC 44.000 GL -12.32 GP 5.64 ZAL 52.70 ZAP 6.75 ETS 237.62 ZAE 159.81 ETE 124.47 ZAC 114.19 ETC 19.41 CLP 3.71

PLANETOCENTRIC CONIC

C3 42.475 VML 6.517 DLA -7.46 RAL 166.17 RAD 6568.6 VEL 12.800 PTH 2.33 VMP 11.927 DPA 20.28 RAP 153.96 ECC 1.6990
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 40 50 2168.21 -18.42 38.57 38.40 111.90 9 16 58 1568.2 -15.28 31.29
 90.00 18 46 40 5278.85 27.06 238.84 43.54 81.31 20 14 39 4678.9 25.58 230.48
 100.00 9 58 36 1917.35 -19.69 19.56 37.84 112.95 10 30 33 1317.4 -16.42 12.30
 100.00 20 11 36 5004.95 28.42 216.44 43.29 80.32 21 35 1 4404.9 26.79 210.02
 110.00 10 58 40 1729.28 -23.10 3.63 36.18 115.93 11 27 29 1129.3 -19.42 356.42
 110.00 21 28 1 4765.78 32.09 199.45 42.46 77.53 22 47 27 4165.8 30.04 190.84

DIFFERENTIAL CORRECTIONS

TOE .8723 TRA-1.9853 TC3 -.1302 BAU .1046
 RDE -.3554 RRA -.3087 RC3 .1303 FAU .02019
 FDE -.8664 FRA 1.3326 FC3 -.4114 BSP 6075
 BOE .9419 BRA 1.9894 BC3 .1843 FSP -350

MID-COURSE EXECUTION ACCURACY

SGT 1911.4 SGR 448.7 SG3 130.0
 RRT .2431 RRF -.2614 RTF -.8874
 SGB 1963.3 R23 -.0351 R13 -.8879
 SG1 1914.7 SG2 434.5 TMA 3.44

ORBIT DETERMINATION ACCURACY

ST 928.1 SR 323.0 SS 866.0
 CRT -.6560 CRS -.7691 CST .9865
 LSA 1286.4 MSA 245.9 SSA 16.8
 EL1 953.7 EL2 237.3 ALF 166.27

LAUNCH DATE MAY 3 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 267.902

RL 150.80 LAL .00 LOL 221.89 VL 25.176 GAL 9.67 AZL 93.36 MCA 106.17 SMA 117.83 ECC .32293 INC 3.3558 V1 29.547
 RP 108.91 LAP -3.22 LOP 328.09 VP 36.205 GAP -18.35 AZP 89.06 TAL 158.33 TAP 264.50 RCA 79.78 APO 155.88 V2 34.795
 RC 43.455 GL -13.41 GP 6.04 ZAL 52.72 ZAP 6.46 ETS 250.21 ZAE 160.63 ETE 116.29 ZAC 112.43 ETC 19.07 CLP 2.28

PLANETOCENTRIC CONIC

C3 39.242 VML 6.264 DLA -8.53 RAL 165.89 RAD 6568.5 VEL 12.673 PTH 2.30 VMP 11.402 DPA 20.06 RAP 155.83 ECC 1.6458
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 48 4 2114.02 -17.01 35.21 36.64 112.99 9 23 18 1514.0 -13.75 28.05
 90.00 18 37 14 5293.08 27.20 239.85 42.25 81.80 20 5 27 4693.1 25.78 231.47
 100.00 10 5 17 1864.95 -18.27 16.32 38.06 114.08 10 36 21 1265.0 -14.86 9.19
 100.00 20 2 42 5017.39 28.56 219.34 42.01 80.78 21 26 20 4417.4 26.99 210.89
 110.00 11 4 5 1680.80 -21.62 .64 34.35 117.14 11 32 6 1080.8 -17.81 353.58
 110.00 21 20 23 4774.30 32.21 200.09 41.22 77.89 22 39 57 4174.3 30.21 191.44

DIFFERENTIAL CORRECTIONS

TOE .8810 TRA-1.9473 TC3 -.1102 BAU .0955
 RDE -.3214 RRA -.2989 RC3 .1448 FAU .02114
 FDE -.9216 FRA 1.3796 FC3 -.4663 BSP 6311
 BOE .9378 BRA 1.9701 BC3 .1820 FSP -384

MID-COURSE EXECUTION ACCURACY

SGT 1977.9 SGR 442.4 SG3 141.4
 RRT .2696 RRF -.2912 RTF -.8946
 SGB 2026.7 R23 -.0398 R13 -.8952
 SG1 1981.6 SG2 425.2 TMA 3.62

ORBIT DETERMINATION ACCURACY

ST 970.2 SR 305.5 SS 912.2
 CRT -.6481 CRS -.7635 CST .9862
 LSA 1344.9 MSA 240.0 SSA 16.8
 EL1 991.3 EL2 227.6 ALF 167.81

LAUNCH DATE MAY 3 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 274.628

RL 150.80 LAL .00 LOL 221.89 VL 25.362 GAL 9.25 AZL 93.47 MCA 109.33 SMA 118.82 ECC .31048 INC 3.4727 V1 29.547
 RP 108.90 LAP -3.28 LOP 331.25 VP 36.339 GAP -17.46 AZP 88.85 TAL 158.07 TAP 267.41 RCA 81.93 APO 155.71 V2 34.799
 RC 43.079 GL -14.57 GP 6.49 ZAL 52.82 ZAP 6.55 ETS 263.55 ZAE 161.06 ETE 107.43 ZAC 110.67 ETC 18.74 CLP .83

PLANETOCENTRIC CONIC

C3 36.343 VML 6.029 DLA -9.63 RAL 165.54 RAD 6568.4 VEL 12.558 PTH 2.28 VMP 10.894 DPA 19.88 RAP 157.69 ECC 1.5981
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 55 28 2058.66 -15.51 31.84 34.89 113.99 9 29 46 1458.7 -12.13 24.79
 90.00 18 26 59 5309.65 27.35 241.04 40.94 82.38 19 55 29 4709.6 26.02 232.63
 100.00 10 12 4 1811.53 -16.75 13.08 34.29 115.12 10 42 15 1211.5 -13.23 6.06
 100.00 19 53 4 5032.02 28.71 220.40 40.72 81.31 21 16 56 4432.0 27.22 211.92
 110.00 11 9 32 1631.57 -20.06 357.67 32.54 118.27 11 36 44 1031.6 -16.13 350.76
 110.00 21 12 5 4784.74 32.36 200.86 39.96 78.33 22 31 50 4184.7 30.41 192.19

DIFFERENTIAL CORRECTIONS

TOE .8911 TRA-1.9870 TC3 -.0864 BAU .0886
 RDE -.2874 RRA -.2904 RC3 .1606 FAU .02218
 FDE -.9833 FRA 1.4295 FC3 -.5284 BSP 6540
 BOE .9363 BRA 1.9488 BC3 .1823 FSP -422

MID-COURSE EXECUTION ACCURACY

SGT 2044.3 SGR 436.4 SG3 154.0
 RRT .3010 RRF -.3263 RTF -.9014
 SGB 2090.3 R23 -.0453 R13 -.9021
 SG1 2048.7 SG2 415.3 TMA 3.83

ORBIT DETERMINATION ACCURACY

ST 1013.8 SR 285.8 SS 962.0
 CRT -.6368 CRS -.7546 CST .9861
 LSA 1407.2 MSA 233.7 SSA 16.8
 EL1 1030.8 EL2 216.7 ALF 169.34

LAUNCH DATE MAY 3 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 281.361

RL 150.80 LAL .00 LOL 221.89 VL 25.535 GAL 8.85 AZL 93.59 MCA 112.50 SMA 119.77 ECC .29871 INC 3.5944 V1 29.547
 RP 108.88 LAP -3.32 LOP 334.42 VP 36.464 GAP -16.60 AZP 88.62 TAL 157.85 TAP 270.34 RCA 83.99 APO 155.54 V2 34.804
 RC 42.876 GL -15.80 GP 7.00 ZAL 53.01 ZAP 7.03 ETS 276.07 ZAE 161.03 ETE 98.32 ZAC 108.92 ETC 18.44 CLP -.65

PLANETOCENTRIC CONIC

C3 33.751 VHL 5.810 DLA -10.79 RAL 165.09 RAD 6568.3 VEL 12.455 PTH 2.25 VMP 10.403 DPA 19.75 RAP 159.54 ECC 1.5555
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 3 4 2002.03 -13.91 28.45 33.17 114.92 9 36 26 1402.0 -10.44 21.50
 90.00 18 15 51 5328.92 27.52 242.43 39.62 83.06 19 44 40 4728.9 26.27 233.98
 100.00 10 19 1 1757.00 -15.15 9.83 32.56 116.08 10 48 18 1157.0 -11.52 2.91
 100.00 19 42 36 5049.18 28.88 221.65 39.41 81.95 21 6 45 4449.2 27.47 213.13
 110.00 11 15 2 1581.58 -18.42 354.72 30.76 119.32 11 41 24 981.6 -14.38 347.94
 110.00 21 3 4 4797.37 32.53 201.81 38.70 78.87 22 23 1 4197.4 30.65 193.10

DIFFERENTIAL CORRECTIONS

TDE .9053 TRA-1.8493 TC3 -.0576 BAU .0843
 ROE -.2533 RRA -.2847 RC3 .1776 FAU .02333
 FDE -1.0526 FRA 1.4813 FC3 -.5985 BSP 6772
 BDE .9401 BRA 1.8711 BC3 .1867 FSP -464

MID-COURSE EXECUTION ACCURACY

SGT 2061.3 SGR 432.1 SG3 167.8
 RRT .3299 RRF -.3685 RTF -.9095
 SGB 2106.1 R23 -.0596 R13 -.9104
 SGI 2066.4 SG2 406.9 TMA 4.12

ORBIT DETERMINATION ACCURACY

ST 1032.3 SR 264.2 SS 1015.8
 CRT -.6305 CRS -.7400 CST .9883
 LSA 1469.7 MSA 220.6 SSA 16.7
 EL1 1065.9 EL2 202.4 ALF 170.67

LAUNCH DATE MAY 3 1967

FLIGHT TIME 120.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 288.097

RL 150.80 LAL .00 LOL 221.89 VL 25.696 GAL 8.47 AZL 93.72 MCA 115.66 SMA 120.66 ECC .28763 INC 3.7218 V1 29.547
 RP 108.87 LAP -3.35 LOP 337.59 VP 36.582 GAP -15.77 AZP 88.39 TAL 157.66 TAP 273.32 RCA 85.96 APO 155.37 V2 34.809
 RC 42.849 GL -17.11 GP 7.58 ZAL 53.29 ZAP 7.88 ETS 286.63 ZAE 160.54 ETE 89.49 ZAC 107.18 ETC 18.15 CLP -2.16

PLANETOCENTRIC CONIC

C3 31.445 VHL 5.608 DLA -11.99 RAL 164.57 RAD 6568.3 VEL 12.362 PTH 2.23 VMP 9.931 DPA 19.67 RAP 161.39 ECC 1.5175
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 10 59 1943.99 -12.22 25.03 31.48 115.74 9 43 23 1344.0 -8.66 18.16
 90.00 18 3 45 5351.30 27.69 244.04 38.29 83.85 19 32 57 4751.3 26.55 235.56
 100.00 10 26 13 1701.27 -13.46 6.55 30.85 116.95 10 54 34 1101.3 -9.74 359.74
 100.00 19 31 12 5069.26 29.07 223.11 38.11 82.70 20 55 42 4469.3 27.75 214.56
 110.00 11 20 39 1530.78 -16.70 351.79 29.02 120.27 11 46 10 930.8 -12.56 345.13
 110.00 20 53 15 4812.52 32.72 202.95 37.44 79.51 22 13 28 4212.5 30.93 194.19

DIFFERENTIAL CORRECTIONS

TDE .9168 TRA-1.8803 TC3 -.0268 BAU .0832
 ROE -.2186 RRA -.2784 RC3 .1961 FAU .02458
 FDE -1.1304 FRA 1.5387 FC3 -.6768 BSP 6999
 BDE .9425 BRA 1.9008 BC3 .1980 FSP -509

MID-COURSE EXECUTION ACCURACY

SGT 2176.2 SGR 427.5 SG3 183.1
 RRT .3818 RRF -.4152 RTF -.9139
 SGB 2217.8 R23 -.0590 R13 -.9148
 SGI 2182.5 SG2 394.0 TMA 4.43

ORBIT DETERMINATION ACCURACY

ST 1106.7 SR 239.9 SS 1074.0
 CRT -.5946 CRS -.7185 CST .9861
 LSA 1545.0 MSA 220.5 SSA 16.5
 EL1 1116.1 EL2 191.2 ALF 172.43

LAUNCH DATE MAY 3 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 294.835

RL 150.80 LAL .00 LOL 221.89 VL 25.845 GAL 8.11 AZL 93.86 MCA 118.82 SMA 121.51 ECC .27719 INC 3.8561 V1 29.547
 RP 108.85 LAP -3.38 LOP 340.77 VP 36.693 GAP -14.97 AZP 88.14 TAL 157.51 TAP 276.34 RCA 87.83 APO 155.20 V2 34.815
 RC 42.995 GL -18.50 GP 8.23 ZAL 53.66 ZAP 9.03 ETS 294.94 ZAE 159.62 ETE 81.40 ZAC 105.46 ETC 17.88 CLP -3.71

PLANETOCENTRIC CONIC

C3 29.405 VHL 5.423 DLA -13.25 RAL 163.96 RAD 6568.2 VEL 12.279 PTH 2.21 VMP 9.476 DPA 19.68 RAP 163.22 ECC 1.4839
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 19 17 1884.34 -10.43 21.56 29.85 116.48 9 50 41 1284.3 -6.79 14.77
 90.00 17 50 33 5377.29 27.87 245.92 36.97 84.78 19 20 11 4777.3 26.85 237.40
 100.00 10 33 43 1644.19 -11.67 3.26 29.20 117.72 11 1 7 1044.2 -7.87 356.53
 100.00 19 18 49 5092.67 29.26 224.83 36.81 83.58 20 43 41 4492.7 28.06 216.23
 110.00 11 26 25 1479.11 -14.91 348.86 27.32 121.12 11 51 4 879.1 -10.68 342.31
 110.00 20 42 36 4830.51 32.94 204.31 36.20 80.29 22 3 6 4230.5 31.25 195.49

DIFFERENTIAL CORRECTIONS

TDE .9332 TRA-1.8536 TC3 .0089 BAU .0851
 ROE -.1830 RRA -.2752 RC3 .2162 FAU .02597
 FDE -1.2188 FRA 1.5985 FC3 -.7646 BSP 7234
 BDE .9510 BRA 1.8739 BC3 .2164 FSP -560

MID-COURSE EXECUTION ACCURACY

SGT 2240.8 SGR 426.2 SG3 200.0
 RRT .4322 RRF -.4703 RTF -.9196
 SGB 2249.9 R23 -.0675 R13 -.9207
 SGI 2248.5 SG2 383.0 TMA 4.84

ORBIT DETERMINATION ACCURACY

ST 1156.1 SR 213.2 SS 1137.4
 CRT -.5539 CRS -.6824 CST .9862
 LSA 1621.7 MSA 213.7 SSA 16.3
 EL1 1162.3 EL2 176.6 ALF 174.03

LAUNCH DATE MAY 3 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 301.572

RL 150.80 LAL .00 LOL 221.89 VL 25.984 GAL 7.77 AZL 94.00 MCA 121.99 SMA 122.32 ECC .26739 INC 3.9990 V1 29.547
 RP 108.83 LAP -3.39 LOP 343.94 VP 36.798 GAP -14.19 AZP 87.88 TAL 157.40 TAP 279.39 RCA 89.61 APO 155.03 V2 34.822
 RC 43.312 GL -19.98 GP 8.98 ZAL 54.13 ZAP 10.42 ETS 301.22 ZAE 158.33 ETE 74.34 ZAC 103.75 ETC 17.61 CLP -5.30

PLANETOCENTRIC CONIC

C3 27.612 VHL 5.255 DLA -14.57 RAL 163.25 RAD 6568.1 VEL 12.206 PTH 2.19 VMP 9.038 DPA 19.77 RAP 165.06 ECC 1.4544
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 28 7 1822.78 -8.54 18.02 28.27 117.10 9 58 30 1222.8 -4.84 11.30
 90.00 17 36 7 5407.44 28.04 248.11 35.67 85.86 19 6 15 4807.4 27.17 239.55
 100.00 10 41 39 1585.54 -9.79 359.92 27.60 118.38 11 8 4 985.5 -5.93 353.26
 100.00 19 5 17 5119.91 29.45 226.83 35.54 84.62 20 30 37 4519.9 28.39 218.19
 110.00 11 32 25 1426.49 -13.04 345.93 25.68 121.88 11 56 12 826.5 -8.73 339.48
 110.00 20 30 59 4851.72 33.17 205.92 34.99 81.22 21 51 51 4251.7 31.60 197.05

DIFFERENTIAL CORRECTIONS

TDE .9518 TRA-1.8254 TC3 .0474 BAU .0896
 ROE -.1459 RRA -.2744 RC3 .2380 FAU .02747
 FDE -1.3191 FRA 1.6522 FC3 -.8613 BSP 7452
 BDE .9629 BRA 1.8459 BC3 .2426 FSP -616

MID-COURSE EXECUTION ACCURACY

SGT 2304.0 SGR 428.3 SG3 218.5
 RRT .4896 RRF -.5322 RTF -.9249
 SGB 2343.4 R23 -.0772 R13 -.9261
 SGI 2313.7 SG2 371.9 TMA 5.34

ORBIT DETERMINATION ACCURACY

ST 1207.3 SR 184.3 SS 1206.0
 CRT -.4848 CRS -.6202 CST .9865
 LSA 1703.8 MSA 207.2 SSA 16.0
 EL1 1210.7 EL2 160.8 ALF 175.69

LAUNCH DATE MAY 3 1967 FLIGHT TIME 126.00 ARRIVAL DATE SEP 6 1967

DISTANCE 308.305

HELIOCENTRIC CONIC
RL 150.80 LAL .00 LOL 221.89 VL 26.112 GAL 7.45 AZL 94.15 MCA 125.16 SMA 123.08 ECC .25821 INC 4.1521 V1 29.547
RP 108.80 LAP -3.39 LOP 347.11 VP 36.895 GAP -13.43 AZP 87.61 TAL 157.32 TAP 282.48 RCA 91.30 APO 154.86 V2 34.830
RC 43.796 GL -21.55 GP 9.83 ZAL 54.69 ZAP 12.02 ETS 305.87 ZAE 156.78 ETE 68.44 ZAC 102.06 ETC 17.36 CLP -6.94

PLANETOCENTRIC CONIC
C3 26.054 VML 5.104 DLA -15.94 RAL 162.46 RAD 6568.1 VEL 12.142 PTH 2.18 VMP 8.619 DPA 19.97 RAP 166.89 ECC 1.4288
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 9 37 39 1758.94 -6.54 14.40 26.76 117.61 10 6 58 1158.9 -2.79 7.72
90.00 17 20 16 5442.45 28.18 250.66 34.39 87.13 18 50 58 4842.4 27.49 242.07
100.00 10 50 8 1525.03 -7.82 356.51 26.07 118.94 11 15 33 925.0 -3.90 349.92
100.00 18 50 27 5151.58 29.63 229.17 34.29 85.84 20 16 19 4551.6 28.74 220.48
110.00 11 38 45 1372.78 -11.09 342.99 24.10 122.54 12 1 37 772.8 -6.72 336.63
110.00 20 18 21 4876.60 33.41 207.82 33.83 82.32 21 39 37 4276.6 31.99 198.88

MID-COURSE EXECUTION ACCURACY
SGT 2365.0 SGR 435.5 SG3 238.9 ST 1260.5 SR 154.2 SS 1280.8
RRT .5528 RRF -.5999 RTF -.9299 CRT -.3602 CRS -.5049 CST .9868
SG8 2404.8 R23 -.0882 R13 -.9314 LSA 1792.3 MSA 200.9 SSA 15.6
SG1 2377.6 SG2 361.0 TMA 5.95 EL1 1261.8 EL2 143.7 ALF 177.44

ORBIT DETERMINATION ACCURACY
ST 1260.5 SR 154.2 SS 1280.8
CRT -.3602 CRS -.5049 CST .9868
LSA 1792.3 MSA 200.9 SSA 15.6
EL1 1261.8 EL2 143.7 ALF 177.44

DIFFERENTIAL CORRECTIONS
TDE .9733 TRA-1.7951 TC3 .0894 BAU .0963
RDE -.1067 RRA -.2763 RC3 .2616 FAU .02912
FDE -1.4338 FRA 1.7298 FC3 -.9674 BSP 7665
BDE .9792 BRA 1.8162 BC3 .2764 FSP -679

LAUNCH DATE MAY 3 1967 FLIGHT TIME 128.00 ARRIVAL DATE SEP 8 1967

DISTANCE 315.033

HELIOCENTRIC CONIC
RL 150.80 LAL .00 LOL 221.89 VL 26.231 GAL 7.14 AZL 94.32 MCA 128.32 SMA 123.79 ECC .24962 INC 4.3178 V1 29.547
RP 108.78 LAP -3.39 LOP 350.29 VP 36.987 GAP -12.70 AZP 87.32 TAL 157.28 TAP 285.60 RCA 92.89 APO 154.69 V2 34.838
RC 44.440 GL -23.21 GP 10.82 ZAL 55.35 ZAP 13.81 ETS 309.27 ZAE 155.02 ETE 63.67 ZAC 100.38 ETC 17.11 CLP -8.64

PLANETOCENTRIC CONIC
C3 24.719 VML 4.972 DLA -17.38 RAL 161.57 RAD 6568.0 VEL 12.087 PTH 2.16 VMP 8.217 DPA 20.30 RAP 168.72 ECC 1.4068
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 9 48 7 1692.22 -4.42 10.64 25.35 118.00 10 16 19 1092.2 -.64 4.00
90.00 17 2 43 5483.21 28.29 253.64 33.14 88.62 18 34 6 4883.2 27.80 245.01
100.00 10 59 23 1462.24 -5.73 353.01 24.63 119.39 11 23 45 862.2 -1.77 346.46
100.00 18 34 8 5188.42 29.78 231.89 33.08 87.27 20 0 36 4588.4 29.08 223.16
110.00 11 45 29 1317.78 -9.06 340.03 22.60 123.10 12 7 27 717.8 -4.64 333.73
110.00 20 4 31 4905.64 33.65 210.06 32.72 83.62 21 26 17 4305.6 32.41 201.04

MID-COURSE EXECUTION ACCURACY
SGT 2422.0 SGR 449.9 SG3 261.3 ST 1318.3 SR 126.3 SS 1363.0
RRT .6196 RRF -.6704 RTF -.9351 CRT -.1234 CRS -.2769 CST .9874
SG8 2463.4 R23 -.1002 R13 -.9369 LSA 1890.4 MSA 194.1 SSA 15.1
SG1 2438.3 SG2 350.8 TMA 6.70 EL1 1318.4 EL2 125.3 ALF 179.32

ORBIT DETERMINATION ACCURACY
ST 1318.3 SR 126.3 SS 1363.0
CRT -.1234 CRS -.2769 CST .9874
LSA 1890.4 MSA 194.1 SSA 15.1
EL1 1318.4 EL2 125.3 ALF 179.32

DIFFERENTIAL CORRECTIONS
TDE 1.0013 TRA-1.7598 TC3 .1375 BAU .1053
RDE -.0843 RRA -.2812 RC3 .2874 FAU .03096
FDE -1.5667 FRA 1.7995 FC3 -1.0844 BSP 7940
BDE 1.0033 BRA 1.7821 BC3 .3186 FSP -750

LAUNCH DATE MAY 3 1967 FLIGHT TIME 130.00 ARRIVAL DATE SEP 10 1967

DISTANCE 321.754

HELIOCENTRIC CONIC
RL 150.80 LAL .00 LOL 221.89 VL 26.341 GAL 6.85 AZL 94.50 MCA 131.49 SMA 124.46 ECC .24161 INC 4.4986 V1 29.547
RP 108.75 LAP -3.37 LOP 353.47 VP 37.073 GAP -11.99 AZP 87.02 TAL 157.26 TAP 288.75 RCA 94.39 APO 154.53 V2 34.846
RC 45.237 GL -24.98 GP 11.96 ZAL 56.10 ZAP 15.79 ETS 311.71 ZAE 153.12 ETE 59.94 ZAC 98.72 ETC 16.86 CLP -10.39

PLANETOCENTRIC CONIC
C3 23.600 VML 4.858 DLA -18.90 RAL 160.59 RAD 6568.0 VEL 12.041 PTH 2.15 VMP 7.835 DPA 20.79 RAP 170.57 ECC 1.3884
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 9 59 50 1621.76 -2.16 6.70 24.05 118.24 10 26 52 1021.8 1.63 .07
90.00 16 43 9 5530.95 28.31 257.13 31.93 90.37 18 15 20 4930.9 28.07 248.48
100.00 11 9 38 1396.54 -3.53 349.39 23.30 119.70 11 32 54 796.5 .45 342.86
100.00 18 16 2 5231.40 29.88 235.09 31.91 88.94 19 43 14 4631.4 29.41 226.31
110.00 11 52 49 1261.22 -6.94 337.01 21.18 123.56 12 13 50 661.2 -2.48 330.76
110.00 19 49 21 4939.48 33.88 212.67 31.67 85.15 21 11 40 4339.5 32.84 203.59

MID-COURSE EXECUTION ACCURACY
SGT 2476.9 SGR 474.1 SG3 285.7 ST 1375.7 SR 110.8 SS 1451.3
RRT .6863 RRF -.7403 RTF -.9394 CRT -.2928 CRS -.1431 CST .9879
SG8 2521.8 R23 -.1142 R13 -.9417 LSA 1993.8 MSA 188.7 SSA 14.5
SG1 2498.6 SG2 341.8 TMA 7.63 EL1 1376.1 EL2 105.9 ALF 1.36

ORBIT DETERMINATION ACCURACY
ST 1375.7 SR 110.8 SS 1451.3
CRT -.2928 CRS -.1431 CST .9879
LSA 1993.8 MSA 188.7 SSA 14.5
EL1 1376.1 EL2 105.9 ALF 1.36

DIFFERENTIAL CORRECTIONS
TDE 1.0301 TRA-1.7257 TC3 .1817 BAU .1148
RDE -.0177 RRA -.2898 RC3 .3152 FAU .03287
FDE -1.7176 FRA 1.8744 FC3 -1.2057 BSP 8130
BDE 1.0302 BRA 1.7498 BC3 .3639 FSP -825

LAUNCH DATE MAY 3 1967 FLIGHT TIME 132.00 ARRIVAL DATE SEP 12 1967

DISTANCE 328.466

HELIOCENTRIC CONIC
RL 150.80 LAL .00 LOL 221.89 VL 26.442 GAL 6.58 AZL 94.70 MCA 134.66 SMA 125.09 ECC .23416 INC 4.6983 V1 29.547
RP 108.72 LAP -3.34 LOP 356.64 VP 37.154 GAP -11.30 AZP 86.69 TAL 157.27 TAP 291.93 RCA 95.80 APO 154.38 V2 34.856
RC 46.178 GL -26.85 GP 13.29 ZAL 56.95 ZAP 17.98 ETS 313.40 ZAE 151.13 ETE 57.15 ZAC 97.08 ETC 16.61 CLP -12.21

PLANETOCENTRIC CONIC
C3 22.694 VML 4.764 DLA -20.49 RAL 159.50 RAD 6567.9 VEL 12.003 PTH 2.14 VMP 7.473 DPA 21.47 RAP 172.44 ECC 1.3735
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 10 13 19 1546.20 .28 2.48 22.90 118.32 10 39 5 946.2 4.06 355.85
90.00 16 21 1 5587.41 28.22 261.26 30.74 92.44 17 54 8 4987.4 28.26 252.59
100.00 11 21 14 1327.00 -1.17 345.56 22.09 119.87 11 43 21 727.0 2.81 339.04
100.00 17 55 46 5281.86 29.88 238.84 30.80 90.92 19 23 48 4681.9 29.69 230.04
110.00 12 0 54 1202.89 -4.73 333.93 19.88 123.89 12 20 57 602.7 -.24 327.71
110.00 19 32 36 4978.93 34.06 215.74 30.70 86.96 20 55 35 4378.9 33.27 206.59

MID-COURSE EXECUTION ACCURACY
SGT 2527.8 SGR 511.1 SG3 312.3 ST 1435.2 SR 124.3 SS 1547.1
RRT .7490 RRF -.8050 RTF -.9435 CRT .7264 CRS .6159 CST .9885
SG8 2579.0 R23 -.1294 R13 -.9463 LSA 2105.9 MSA 183.9 SSA 13.8
SG1 2557.2 SG2 334.8 TMA 8.76 EL1 1438.1 EL2 85.3 ALF 3.61

ORBIT DETERMINATION ACCURACY
ST 1435.2 SR 124.3 SS 1547.1
CRT .7264 CRS .6159 CST .9885
LSA 2105.9 MSA 183.9 SSA 13.8
EL1 1438.1 EL2 85.3 ALF 3.61

DIFFERENTIAL CORRECTIONS
TDE 1.0635 TRA-1.6899 TC3 .2254 BAU .1252
RDE .0349 RRA -.3028 RC3 .3455 FAU .03489
FDE -1.8914 FRA 1.9524 FC3 -1.3311 BSP 8316
BDE 1.0641 BRA 1.7168 BC3 .4125 FSP -907

LAUNCH DATE MAY 3 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 335.168

RL 150.80 LAL .00 LOL 221.89 VL 26.535 GAL 6.33 AZL 94.92 MCA 137.83 SMA 125.67 ECC .22724 INC 4.9211 V1 29.547
 RP 108.69 LAP -3.30 LOP 359.82 VP 37.229 GAP -10.63 AZP 86.35 TAL 157.31 TAP 295.14 RCA 97.12 APO 154.23 V2 34.865
 RC 47.255 GL -28.84 GP 14.85 ZAL 57.91 ZAP 20.37 ETS 314.48 ZAE 149.06 ETE 55.19 ZAC 95.45 ETC 16.34 CLP -14.11

PLANETOCENTRIC CONIC

C3 22.003 VHL 4.691 DLA -22.17 RAL 158.31 RAD 6567.9 VEL 11.974 PTH 2.13 VMP 7.132 DPA 22.38 RAP 174.36 ECC 1.3621
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 29 22 1463.23 2.95 357.85 21.95 118.18 10 53 45 863.2 6.70 351.17
 90.00 15 55 28 5655.39 27.92 266.21 29.57 94.90 17 29 43 5055.4 28.31 257.57
 100.00 11 34 47 1252.08 1.37 341.45 21.07 119.86 11 55 39 652.1 5.33 334.91
 100.00 17 32 44 5341.77 29.73 243.28 29.72 93.25 19 1 45 4741.8 29.87 234.48
 110.00 12 10 2 1141.59 -2.40 330.73 18.72 124.11 12 29 4 541.6 2.09 324.52
 110.00 19 13 58 5025.03 34.17 219.34 29.82 89.09 20 37 43 4425.0 33.67 210.13

DIFFERENTIAL CORRECTIONS

TDE 1.1024 TRA-1.6517 TC3 .2664 BAU .1361
 RDE .0957 RRA -3.207 RC3 .3784 FAU .03700
 FDE-2.0916 FRA 2.0316 FC3-1.4559 BSP 8495
 BDE 1.1066 BRA 1.6625 BC3 .4628 FSP -996

MID-COURSE EXECUTION ACCURACY

SGT 2573.2 SGR 564.5 SG3 341.0
 RRT .8039 RRF -.8606 RTF -.9473
 SGB 2634.4 R23 -.1451 R13 -.9508
 SG1 2613.6 SG2 330.5 TMA 10.17

ORBIT DETERMINATION ACCURACY

ST 1496.8 SR 172.9 SS 1650.6
 CRT .9292 CRS .8662 CST .9892
 LSA 2227.7 MSA 179.7 SSA 12.9
 EL1 1505.4 EL2 63.5 ALF 6.14

LAUNCH DATE MAY 3 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 341.858

RL 150.80 LAL .00 LOL 221.89 VL 26.621 GAL 6.09 AZL 95.17 MCA 141.00 SMA 126.22 ECC .22084 INC 5.1731 V1 29.547
 RP 108.66 LAP -3.25 LOP 3.01 VP 37.300 GAP -9.97 AZP 85.98 TAL 157.37 TAP 298.37 RCA 98.34 APO 154.09 V2 34.875
 RC 48.458 GL -30.95 GP 16.69 ZAL 58.97 ZAP 23.02 ETS 315.08 ZAE 146.90 ETE 54.00 ZAC 93.83 ETC 16.06 CLP -16.09

PLANETOCENTRIC CONIC

C3 21.537 VHL 4.641 DLA -23.94 RAL 157.01 RAD 6567.9 VEL 11.955 PTH 2.13 VMP 6.816 DPA 23.56 RAP 176.33 ECC 1.3544
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 49 30 1368.36 5.98 352.53 21.27 117.73 11 12 18 768.4 9.65 345.77
 90.00 15 24 55 5739.92 27.28 272.31 28.36 97.90 17 0 35 5139.9 28.09 263.74
 100.00 11 51 13 1169.13 4.17 336.89 20.28 119.63 12 10 42 569.1 8.09 330.29
 100.00 17 5 53 5414.38 29.33 248.64 28.65 96.05 18 36 7 4814.4 29.86 239.88
 110.00 12 20 36 1076.97 .07 327.36 17.72 124.18 12 38 33 477.0 4.55 321.14
 110.00 18 52 50 5079.31 34.15 223.57 29.03 91.59 20 17 38 4479.3 33.99 214.33

DIFFERENTIAL CORRECTIONS

TDE 1.1501 TRA-1.6090 TC3 .3080 BAU .1487
 RDE .1681 RRA -3.445 RC3 .4144 FAU .03925
 FDE-2.3237 FRA 2.1075 FC3-1.5778 BSP 8734
 BDE 1.1623 BRA 1.6454 BC3 .5163 FSP -1096

MID-COURSE EXECUTION ACCURACY

SGT 2611.8 SGR 638.4 SG3 371.4
 RRT .8493 RRF -.9050 RTF -.9512
 SGB 2668.7 R23 -.1592 R13 -.9557
 SG1 2668.4 SG2 329.9 TMA 11.91

ORBIT DETERMINATION ACCURACY

ST 1562.5 SR 250.4 SS 1763.0
 CRT .9862 CRS .9541 CST .9900
 LSA 2362.5 MSA 175.4 SSA 12.0
 EL1 1581.9 EL2 41.0 ALF 8.99

LAUNCH DATE MAY 3 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 348.535

RL 150.80 LAL .00 LOL 221.89 VL 26.699 GAL 5.87 AZL 95.46 MCA 144.18 SMA 126.72 ECC .21493 INC 5.4624 V1 29.547
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.366 GAP -9.34 AZP 85.57 TAL 157.44 TAP 301.62 RCA 99.49 APO 153.96 V2 34.886
 RC 49.776 GL -33.20 GP 18.88 ZAL 60.14 ZAP 25.96 ETS 315.27 ZAE 144.63 ETE 53.51 ZAC 92.20 ETC 15.74 CLP -18.15

PLANETOCENTRIC CONIC

C3 21.317 VHL 4.617 DLA -25.81 RAL 155.58 RAD 6567.9 VEL 11.946 PTH 2.13 VMP 6.529 DPA 25.09 RAP 178.41 ECC 1.3508
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 17 13 1250.85 9.65 345.84 21.05 116.75 11 38 4 650.9 13.16 338.92
 90.00 14 45 46 5852.47 25.98 280.29 27.00 101.69 16 23 18 5252.5 27.33 271.88
 100.00 12 12 22 1072.76 7.39 331.55 19.84 119.05 12 30 15 472.8 11.21 324.84
 100.00 16 33 18 5505.80 28.49 255.31 27.53 99.46 18 5 3 4905.8 29.50 246.65
 110.00 12 33 14 1007.32 2.73 323.72 16.96 124.09 12 50 1 407.3 7.19 317.47
 110.00 18 28 56 5144.01 33.91 228.61 28.31 94.57 19 54 40 4544.0 34.17 219.38

DIFFERENTIAL CORRECTIONS

TDE 1.2056 TRA-1.5639 TC3 .3427 BAU .1619
 RDE .2565 RRA -3.750 RC3 .4529 FAU .04145
 FDE-2.5895 FRA 2.1774 FC3-1.6833 BSP 8979
 BDE 1.2326 BRA 1.6082 BC3 .5680 FSP -1201

MID-COURSE EXECUTION ACCURACY

SGT 2643.2 SGR 737.2 SG3 403.0
 RRT .8843 RRF -.9379 RTF -.9548
 SGB 2744.1 R23 -.1708 R13 -.9605
 SG1 2723.7 SG2 334.1 TMA 14.07

ORBIT DETERMINATION ACCURACY

ST 1630.0 SR 354.3 SS 1882.7
 CRT .9985 CRS .9836 CST .9909
 LSA 2509.4 MSA 171.6 SSA 11.0
 EL1 1668.0 EL2 18.8 ALF 12.25

LAUNCH DATE MAY 3 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 355.198

RL 150.80 LAL .00 LOL 221.89 VL 26.771 GAL 5.67 AZL 95.80 MCA 147.35 SMA 127.19 ECC .20950 INC 5.8000 V1 29.547
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.427 GAP -8.72 AZP 85.11 TAL 157.53 TAP 304.89 RCA 100.54 APO 153.83 V2 34.897
 RC 51.201 GL -35.61 GP 21.50 ZAL 61.43 ZAP 29.24 ETS 315.11 ZAE 142.18 ETE 53.66 ZAC 90.57 ETC 15.38 CLP -20.31

PLANETOCENTRIC CONIC

C3 21.379 VHL 4.624 DLA -27.81 RAL 154.00 RAD 6567.9 VEL 11.948 PTH 2.13 VMP 6.275 DPA 27.03 RAP 180.65 ECC 1.3518
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 8 3 1081.69 15.21 334.75 21.89 114.18 12 25 45 461.7 18.35 327.46
 90.00 13 42 22 755.00 22.70 315.37 24.89 107.40 13 54 57 155.0 24.87 307.37
 100.00 12 43 2 948.60 11.42 324.53 19.99 117.81 12 58 51 348.6 15.05 317.63
 100.00 15 50 4 5631.36 26.76 264.23 26.14 103.85 17 23 55 5031.4 28.40 255.82
 110.00 12 49 0 929.86 5.68 319.66 16.53 123.77 13 4 30 329.9 10.07 313.33
 110.00 18 0 35 5222.86 33.32 234.69 27.61 98.12 19 27 38 4622.9 34.08 225.53

DIFFERENTIAL CORRECTIONS

TDE 1.2714 TRA-1.5167 TC3 .3683 BAU .1760
 RDE .3671 RRA -4.135 RC3 .4934 FAU .04346
 FDE-2.8917 FRA 2.2343 FC3-1.7600 BSP 9242
 BDE 1.3233 BRA 1.5721 BC3 .6157 FSP -1310

MID-COURSE EXECUTION ACCURACY

SGT 2667.0 SGR 868.4 SG3 434.5
 RRT .9101 RRF -.9608 RTF -.9582
 SGB 2804.2 R23 -.1784 R13 -.9655
 SG1 2783.0 SG2 344.1 TMA 16.73

ORBIT DETERMINATION ACCURACY

ST 1699.6 SR 487.2 SS 2008.4
 CRT .9996 CRS .9940 CST .9918
 LSA 2670.4 MSA 168.4 SSA 9.9
 EL1 1768.0 EL2 13.8 ALF 15.99

LAUNCH DATE MAY 3 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 361.846
 RL 150.80 LAL .00 LOL 221.89 VL 26.836 GAL 5.48 AZL 96.20 MCA 150.53 SMA 127.62 ECC .20453 INC 6.2018 V1 29.547
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.485 GAP -8.13 AZP 84.60 TAL 157.63 TAP 308.16 RCA 101.51 APO 153.72 V2 34.908
 RC 52.722 GL -38.19 GP 24.65 ZAL 62.84 ZAP 32.93 ETS 314.64 ZAE 139.44 ETE 54.40 ZAC 88.91 ETC 14.93 CLP -22.56

PLANETOCENTRIC CONIC

C3 21.786 VML 4.668 DLA -29.93 RAL 152.26 RAD 6567.9 VEL 11.965 PTH 2.13 VMP 6.064 DPA 29.46 RAP 183.12 ECC 1.3585
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.87 11 25 48 1178.84 20.16 345.57 22.63 112.61 11 45 27 578.8 23.05 337.96
 100.13 14 10 43 646.95 20.17 306.46 22.63 112.60 14 21 30 46.9 23.06 298.85
 79.87 11 25 48 1178.84 20.16 345.57 22.63 112.61 11 45 27 578.8 23.05 337.96
 100.13 14 10 43 646.95 20.17 306.46 22.63 112.60 14 21 30 46.9 23.06 298.85
 110.00 13 10 6 838.74 9.10 314.82 16.60 123.09 13 24 5 238.7 13.39 308.35
 110.00 17 25 36 5323.08 32.10 242.25 26.82 102.43 18 54 19 4723.1 33.48 233.29

DIFFERENTIAL CORRECTIONS

TDE 1.3469 TRA-1.4709 TC3 .3760 BAU .1900
 RDE .5086 RRA -.4615 RC3 .5330 FAU .04486
 FDE-3.2249 FRA 2.2723 FC3-1.7827 BSP 9462
 BDE 1.4397 BRA 1.5417 BC3 .6523 FSP -1409

MID-COURSE EXECUTION ACCURACY

SGT 2683.0 SGR 1031.8 SG3 463.7
 RRT .9280 RRF -.9758 RTF -.9609
 SGB 2874.5 R23 -.1812 R13 -.9703
 SGI 2851.7 SG2 361.8 TMA 19.98

ORBIT DETERMINATION ACCURACY

ST 1767.6 SR 654.5 SS 2134.9
 CRT .9982 CRS .9978 CST .9925
 LSA 2843.1 MSA 166.7 SSA 8.8
 EL1 1884.6 EL2 36.5 ALF 20.29

LAUNCH DATE MAY 3 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 368.474
 RL 150.80 LAL .00 LOL 221.89 VL 26.896 GAL 5.31 AZL 96.69 MCA 153.71 SMA 128.01 ECC .19999 INC 6.6916 V1 29.547
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.538 GAP -7.54 AZP 84.00 TAL 157.74 TAP 311.45 RCA 102.41 APO 153.61 V2 34.920
 RC 54.330 GL -40.98 GP 28.47 ZAL 64.40 ZAP 37.13 ETS 313.93 ZAE 136.29 ETE 55.66 ZAC 87.20 ETC 14.37 CLP -24.90

PLANETOCENTRIC CONIC

C3 22.642 VML 4.758 DLA -32.21 RAL 150.30 RAD 6567.9 VEL 12.001 PTH 2.14 VMP 5.909 DPA 32.50 RAP 185.96 ECC 1.3726
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.96 10 35 51 1321.26 21.34 356.84 21.97 114.72 10 57 52 721.3 24.49 349.27
 106.04 14 45 5 5811.23 21.35 275.61 21.97 114.71 16 21 56 5211.2 24.50 268.04
 73.96 10 35 51 1321.26 21.34 356.84 21.97 114.72 10 57 52 721.3 24.49 349.27
 106.04 14 45 5 5811.23 21.35 275.61 21.97 114.71 16 21 56 5211.2 24.50 268.04
 110.00 13 42 36 716.70 13.55 308.18 17.60 121.69 13 54 33 116.7 17.64 301.45
 110.00 16 37 30 5463.78 29.58 252.43 25.53 107.97 18 8 34 4863.8 31.75 243.89

DIFFERENTIAL CORRECTIONS

TDE 1.4732 TRA-1.3906 TC3 .4276 BAU .2184
 RDE .7007 RRA -.5115 RC3 .5813 FAU .04718
 FDE-3.6209 FRA 2.2318 FC3-1.8040 BSP 10322
 BDE 1.6314 BRA 1.4817 BC3 .7216 FSP -1571

MID-COURSE EXECUTION ACCURACY

SGT 2688.7 SGR 1244.1 SG3 489.1
 RRT .9454 RRF -.9855 RTF -.9671
 SGB 2962.6 R23 -.1639 R13 -.9778
 SGI 2939.3 SG2 370.8 TMA 24.03

ORBIT DETERMINATION ACCURACY

ST 1870.7 SR 871.7 SS 2278.7
 CRT .9975 CRS .9992 CST .9942
 LSA 3070.4 MSA 156.0 SSA 7.7
 EL1 2063.0 EL2 55.9 ALF 24.95

LAUNCH DATE MAY 3 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 375.093
 RL 150.80 LAL .00 LOL 221.89 VL 26.949 GAL 5.16 AZL 97.31 MCA 156.88 SMA 128.37 ECC .19589 INC 7.3056 V1 29.547
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.588 GAP -6.97 AZP 83.28 TAL 157.85 TAP 314.73 RCA 103.22 APO 153.51 V2 34.932
 RC 56.016 GL -44.00 GP 33.10 ZAL 66.12 ZAP 41.89 ETS 313.00 ZAE 132.53 ETE 57.30 ZAC 85.39 ETC 13.61 CLP -27.30

PLANETOCENTRIC CONIC

C3 24.137 VML 4.913 DLA -34.66 RAL 148.11 RAD 6568.0 VEL 12.063 PTH 2.16 VMP 5.835 DPA 36.23 RAP 189.38 ECC 1.3972
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.11 9 56 47 1429.99 22.36 5.79 21.58 117.20 10 20 37 830.0 25.82 358.30
 110.89 15 6 36 5733.73 22.38 270.15 21.59 117.19 16 42 9 5133.7 25.84 262.66
 69.11 9 56 47 1429.99 22.36 5.79 21.58 117.20 10 20 37 830.0 25.82 358.30
 110.89 15 6 36 5733.73 22.38 270.15 21.59 117.19 16 42 9 5133.7 25.84 262.66
 69.11 9 56 47 1429.99 22.36 5.79 21.58 117.20 10 20 37 830.0 25.82 358.30
 110.89 15 6 36 5733.73 22.38 270.15 21.59 117.19 16 42 9 5133.7 25.84 262.66

DIFFERENTIAL CORRECTIONS

TDE 1.5286 TRA-1.4034 TC3 .2954 BAU .2099
 RDE .9353 RRA -.5955 RC3 .5795 FAU .04278
 FDE-3.9128 FRA 2.2545 FC3-1.5344 BSP 9344
 BDE 1.7920 BRA 1.5263 BC3 .6505 FSP -1466

MID-COURSE EXECUTION ACCURACY

SGT 2689.4 SGR 1492.3 SG3 498.7
 RRT .9449 RRF -.9909 RTF -.9626
 SGB 3075.7 R23 -.1746 R13 -.9787
 SGI 3045.3 SG2 431.4 TMA 28.29

ORBIT DETERMINATION ACCURACY

ST 1880.2 SR 1119.9 SS 2350.8
 CRT .9954 CRS .9998 CST .9932
 LSA 3207.1 MSA 172.9 SSA 6.7
 EL1 2186.5 EL2 92.3 ALF 30.72

LAUNCH DATE MAY 3 1967

FLIGHT TIME 148.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 381.685
 RL 150.80 LAL .00 LOL 221.89 VL 26.998 GAL 5.02 AZL 98.10 MCA 160.06 SMA 128.69 ECC .19219 INC 8.1038 V1 29.547
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.634 GAP -6.42 AZP 82.38 TAL 157.95 TAP 318.01 RCA 103.96 APO 153.42 V2 34.945
 RC 57.772 GL -47.31 GP 38.72 ZAL 68.06 ZAP 47.34 ETS 311.90 ZAE 127.94 ETE 59.16 ZAC 83.47 ETC 12.54 CLP -29.71

PLANETOCENTRIC CONIC

C3 26.602 VML 5.158 DLA -37.31 RAL 145.55 RAD 6568.1 VEL 12.165 PTH 2.18 VMP 5.878 DPA 40.75 RAP 193.74 ECC 1.4378
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 64.62 9 21 56 1527.46 23.11 14.02 21.48 120.14 9 47 24 927.5 26.93 6.68
 115.38 15 21 3 5684.22 23.12 266.63 21.49 120.13 16 55 47 5084.2 26.94 259.29
 64.62 9 21 56 1527.46 23.11 14.02 21.48 120.14 9 47 24 927.5 26.93 6.68
 115.38 15 21 3 5684.22 23.12 266.63 21.49 120.13 16 55 47 5084.2 26.94 259.29
 64.62 9 21 56 1527.46 23.11 14.02 21.48 120.14 9 47 24 927.5 26.93 6.68
 115.38 15 21 3 5684.22 23.12 266.63 21.49 120.13 16 55 47 5084.2 26.94 259.29

DIFFERENTIAL CORRECTIONS

TDE 1.7023 TRA-1.3463 TC3 .2777 BAU .2310
 RDE 1.2777 RRA -.6657 RC3 .5872 FAU .04045
 FDE-4.2590 FRA 2.0978 FC3-1.3163 BSP 10128
 BDE 2.1285 BRA 1.5019 BC3 .6496 FSP -1497

MID-COURSE EXECUTION ACCURACY

SGT 2682.1 SGR 1801.7 SG3 494.9
 RRT .9532 RRF -.9943 RTF -.9662
 SGB 3231.1 R23 -.1508 R13 -.9847
 SGI 3198.6 SG2 457.0 TMA 33.40

ORBIT DETERMINATION ACCURACY

ST 1973.4 SR 1446.7 SS 2443.9
 CRT .9954 CRS .9999 CST .9944
 LSA 3454.2 MSA 168.3 SSA 5.7
 EL1 2444.3 EL2 112.2 ALF 36.21

LAUNCH DATE MAY 3 1967

FLIGHT TIME 150.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 388.256

RL 150.80 LAL .00 LOL 221.89 VL 27.041 GAL 4.89 AZL 99.19 MCA 163.23 SMA 128.98 ECC .18887 INC 9.1907 V1 29.547
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.677 GAP -5.88 AZP 81.19 TAL 158.05 TAP 321.28 RCA 104.62 APO 153.34 V2 34.957
 RC 59.590 GL -50.94 GP 45.50 ZAL 70.25 ZAP 53.53 ETS 310.60 ZAE 122.27 ETE 60.89 ZAC 81.36 ETC 10.92 CLP -31.99

PLANETOCENTRIC CONIC

C3 30.711 VML 5.542 DLA -40.14 RAL 142.32 RAD 6568.2 VEL 12.332 PTH 2.22 VMP 6.107 DPA 46.02 RAP 199.87 ECC 1.5054
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 60.27 8 48 44 1624.04 23.34 22.19 21.73 123.64 9 15 48 1024.0 27.59 15.10
 119.73 15 30 5 5659.38 23.35 264.73 21.74 123.63 17 4 25 5059.4 27.60 257.63
 60.27 8 48 44 1624.04 23.34 22.19 21.73 123.64 9 15 48 1024.0 27.59 15.10
 119.73 15 30 5 5659.38 23.35 264.73 21.74 123.63 17 4 25 5059.4 27.60 257.63
 60.27 8 48 44 1624.04 23.34 22.19 21.73 123.64 9 15 48 1024.0 27.59 15.10
 119.73 15 30 5 5659.38 23.35 264.73 21.74 123.63 17 4 25 5059.4 27.60 257.63

DIFFERENTIAL CORRECTIONS

TDE 1.9409 TRA-1.5032 TC3 .2270 BAU .2452
 RDE 1.7499 RRA -.7358 RC3 .5525 FAU .03467
 FDE-4.4936 FRA 1.8498 FC3 -.9773 BSP 10850
 BDE 2.8133 BRA 1.4966 BC3 .5973 FSP -1422

MID-COURSE EXECUTION ACCURACY

SGT 2882.7 SGR 2153.8 SG3 465.4
 RRT .9586 RRF -.9963 RTF -.9691
 SGB 3440.3 R23 -.1261 R13 -.9895
 SGI 3406.2 SGT 483.0 TMA 38.50

ORBIT DETERMINATION ACCURACY

ST 2075.2 SR 1853.8 SS 2483.4
 CRT .9956 CRS 1.0000 CST .9952
 LSA 3716.0 MSA 166.0 SSA 4.8
 EL1 2766.3 EL2 129.6 ALF 41.45

LAUNCH DATE MAY 3 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 394.800

RL 150.80 LAL .00 LOL 221.89 VL 27.080 GAL 4.79 AZL 100.77 MCA 166.40 SMA 129.25 ECC .18594 INC10.7684 V1 29.547
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.716 GAP -5.35 AZP 79.53 TAL 158.13 TAP 324.53 RCA 105.21 APO 153.28 V2 34.970
 RC 61.464 GL -54.92 GP 53.55 ZAL 72.76 ZAP 60.41 ETS 308.85 ZAE 118.29 ETE 61.85 ZAC 79.02 ETC 8.23 CLP -33.78

PLANETOCENTRIC CONIC

C3 37.956 VML 6.161 DLA -43.13 RAL 138.83 RAD 6568.5 VEL 12.622 PTH 2.29 VMP 6.657 DPA 51.81 RAP 208.32 ECC 1.6247
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 55.99 8 15 39 1728.00 22.65 22.37 127.75 8 44 27 1128.0 27.38 23.98
 124.01 15 33 44 5662.26 22.66 264.44 22.38 127.74 17 8 6 5062.3 27.40 257.74
 55.99 8 15 39 1728.00 22.65 22.37 127.75 8 44 27 1128.0 27.38 23.98
 124.01 15 33 44 5662.26 22.66 264.44 22.38 127.74 17 8 6 5062.3 27.40 257.74
 55.99 8 15 39 1728.00 22.65 22.37 127.75 8 44 27 1128.0 27.38 23.98
 124.01 15 33 44 5662.26 22.66 264.44 22.38 127.74 17 8 6 5062.3 27.40 257.74

DIFFERENTIAL CORRECTIONS

TDE 2.3307 TRA-1.2783 TC3 .1601 BAU .2475
 RDE 2.4123 RRA -.7795 RC3 .4807 FAU .02558
 FDE-4.5388 FRA 1.4918 FC3 -.5834 BSP 11721
 BDE 3.3543 BRA 1.4973 BC3 .4877 FSP -1244

MID-COURSE EXECUTION ACCURACY

SGT 2718.7 SGR 2518.3 SG3 404.8
 RRT .9630 RRF -.9973 RTF -.9726
 SGB 3705.8 R23 -.1012 R13 -.9932
 SGI 3671.6 SGT 502.7 TMA 42.73

ORBIT DETERMINATION ACCURACY

ST 2222.0 SR 2263.2 SS 2449.7
 CRT .9960 CRS 1.0000 CST .9962
 LSA 4004.2 MSA 163.7 SSA 4.0
 EL1 3168.4 EL2 142.4 ALF 45.53

LAUNCH DATE MAY 3 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 401.308

RL 150.80 LAL .00 LOL 221.89 VL 27.114 GAL 4.70 AZL 103.28 MCA 169.55 SMA 129.48 ECC .18339 INC13.2809 V1 29.547
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.753 GAP -4.84 AZP 76.93 TAL 158.18 TAP 327.74 RCA 105.73 APO 153.22 V2 34.983
 RC 63.388 GL -59.19 GP 62.89 ZAL 75.69 ZAP 67.79 ETS 305.42 ZAE 106.81 ETE 60.43 ZAC 76.31 ETC 2.88 CLP -33.93

PLANETOCENTRIC CONIC

C3 52.248 VML 7.228 DLA -46.11 RAL 134.23 RAD 6568.9 VEL 13.176 PTH 2.41 VMP 7.814 DPA 57.32 RAP 221.68 ECC 1.8599
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.95 7 41 47 1848.90 20.33 39.64 23.34 132.33 8 12 36 1248.9 25.58 33.50
 128.05 15 30 52 5701.88 20.34 265.96 23.35 132.32 17 5 54 5101.9 25.60 259.83
 51.95 7 41 47 1848.90 20.33 39.64 23.34 132.33 8 12 36 1248.9 25.58 33.50
 128.05 15 30 52 5701.88 20.34 265.96 23.35 132.32 17 5 54 5101.9 25.60 259.83
 51.95 7 41 47 1848.90 20.33 39.64 23.34 132.33 8 12 36 1248.9 25.58 33.50
 128.05 15 30 52 5701.88 20.34 265.96 23.35 132.32 17 5 54 5101.9 25.60 259.83

DIFFERENTIAL CORRECTIONS

TDE 3.1036 TRA-1.3027 TC3 .0809 BAU .2147
 RDE 3.3152 RRA -.7418 RC3 .2965 FAU .01351
 FDE-4.3121 FRA 1.0631 FC3 -.2238 BSP 12675
 BDE 4.5412 BRA 1.4991 BC3 .3074 FSP -965

MID-COURSE EXECUTION ACCURACY

SGT 2878.2 SGR 2794.4 SG3 314.7
 RRT .9671 RRF -.9975 RTF -.9784
 SGB 4011.6 R23 -.0780 R13 -.9959
 SGI 3978.4 SGT 514.5 TMA 44.12

ORBIT DETERMINATION ACCURACY

ST 2500.3 SR 2640.1 SS 2320.7
 CRT .9965 CRS 1.0000 CST .9973
 LSA 4310.6 MSA 161.7 SSA 3.1
 EL1 3633.1 EL2 151.0 ALF 46.56

LAUNCH DATE MAY 3 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 407.756

RL 150.80 LAL .00 LOL 221.89 VL 27.144 GAL 4.63 AZL 107.92 MCA 172.67 SMA 129.69 ECC .18123 INC17.9200 V1 29.547
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.787 GAP -4.36 AZP 72.22 TAL 158.19 TAP 330.86 RCA 106.18 APO 153.19 V2 34.996
 RC 65.357 GL -63.30 GP 73.34 ZAL 79.13 ZAP 75.24 ETS 293.02 ZAE 96.54 ETE 49.04 ZAC 72.89 ETC 347.18 CLP -27.25

PLANETOCENTRIC CONIC

C3 86.834 VML 9.318 DLA -48.49 RAL 128.52 RAD 6569.7 VEL 14.428 PTH 2.62 VMP 10.338 DPA 60.63 RAP 242.25 ECC 2.4291
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 48.83 7 8 4 1998.91 15.28 48.65 24.51 136.61 7 41 21 1396.9 21.01 43.19
 131.17 15 19 2 5795.21 15.29 269.72 24.53 136.61 16 55 37 5195.2 21.02 264.26
 48.83 7 8 4 1998.91 15.28 48.65 24.51 136.61 7 41 21 1396.9 21.01 43.19
 131.17 15 19 2 5795.21 15.29 269.72 24.53 136.61 16 55 37 5195.2 21.02 264.26
 48.83 7 8 4 1998.91 15.28 48.65 24.51 136.61 7 41 21 1396.9 21.01 43.19
 131.17 15 19 2 5795.21 15.29 269.72 24.53 136.61 16 55 37 5195.2 21.02 264.26

DIFFERENTIAL CORRECTIONS

TDE 5.2310 TRA-1.4804 TC3 -.0168 BAU .0969
 RDE 4.0706 RRA -.3870 RC3 .0817 FAU .00014
 FDE-3.8324 FRA .6538 FC3 .0014 BSP 13486
 BDE 6.6282 BRA 1.5108 BC3 .0834 FSP -635

MID-COURSE EXECUTION ACCURACY

SGT 3490.2 SGR 2533.1 SG3 210.2
 RRT .9650 RRF -.9922 RTF -.9892
 SGB 4312.6 R23 -.0530 R13 -.9981
 SGI 4278.4 SGT 541.7 TMA 35.67

ORBIT DETERMINATION ACCURACY

ST 3241.9 SR 2505.2 SS 2111.1
 CRT .9966 CRS .9994 CST .9988
 LSA 4605.9 MSA 167.3 SSA 1.9
 EL1 4093.8 EL2 163.9 ALF 37.67

LAUNCH DATE MAY 3 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 414.049

RL 150.80 LAL .00 LOL 221.89 VL 27.170 GAL 4.60 AZL 119.15 MCA 175.68 SMA 129.87 ECC .17957 INC29.1509 V1 29.547
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.818 GAP -3.91 AZP 60.92 TAL 158.07 TAP 333.75 RCA 106.55 APO 153.19 V2 35.009
 RC 67.365 GL -65.03 GP 81.06 ZAL 83.11 ZAP 82.07 ETS 220.27 ZAE 82.99 ETE 336.50 ZAC 87.39 ETC 268.93 CLP 27.48

PLANETOCENTRIC CONIC

C3 211.796 VHL 14.553 OLA -48.04 RAL 122.53 RAD 6571.2 VEL 18.251 PTM 3.03 VHP 16.993 OPA 57.62 RAP 269.20 ECC 4.4856
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.42 6 46 12 2159.90 6.81 55.30 26.36 137.67 7 22 11 1559.9 12.68 50.20
 130.58 14 53 10 679.94 6.82 299.42 26.37 137.67 15 4 30 79.9 12.70 294.32
 49.42 6 46 12 2159.90 6.81 55.30 26.36 137.67 7 22 11 1559.9 12.68 50.20
 130.58 14 53 10 679.94 6.82 299.42 26.37 137.67 15 4 30 79.9 12.70 294.32
 49.42 6 46 12 2159.90 6.81 55.30 26.36 137.67 7 22 11 1559.9 12.68 50.20
 130.58 14 53 10 679.94 6.82 299.42 26.37 137.67 15 4 30 79.9 12.70 294.32

DIFFERENTIAL CORRECTIONS

TOE10.3802 TRA -1.6010 TC3 -1.1618 BAU .5857
 ROE-3.9004 RRA 1.6185 RC3 .1288 FAU-.01673
 FDE-3.4314 FRA .4058 FC3 .0884 BSP 13840
 BOE11.0701 BRA 1.7265 BC3 .2069 FSP -355

MID-COURSE EXECUTION ACCURACY

SGT 4121.1 SGR 1845.8 SG3 119.8
 RRT -.8909 RRF .8289 RTF -.9957
 SGB 4515.6 R23 -.0200 R13 .9998
 SGI 4448.3 SGT 776.5 TMA 157.52

ORBIT DETERMINATION ACCURACY

ST 4080.2 SR 1562.0 SS 1986.3
 CRT -.9875 CRS -.9914 CST .9996
 LSA 4793.7 MSA 230.3 SSA .7
 EL1 4362.9 EL2 230.0 ALF 159.23

LAUNCH DATE MAY 3 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 419.474

RL 150.80 LAL .00 LOL 221.89 VL 27.193 GAL 4.74 AZL 183.80 MCA 177.97 SMA 130.02 ECC .17938 INC73.6020 V1 29.547
 RP 108.20 LAP -1.98 LOP 41.31 VP 37.846 GAP -3.69 AZP 16.41 TAL 157.33 TAP 335.30 RCA 106.70 APO 153.35 V2 35.023
 RC 69.409 GL -49.80 GP 57.51 ZAL 86.95 ZAP 87.02 ETS 180.84 ZAE 55.73 ETE 301.03 ZAC 52.82 ETC 214.23 CLP 84.45

PLANETOCENTRIC CONIC

C31158.485 VHL 34.037 OLA -31.63 RAL 123.43 RAD 6573.1 VEL 35.774 PTM 3.52 VHP 42.290 OPA 34.91 RAP 296.15 ECC20.0657
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.29 8 57 38 1938.10 -4.45 31.06 34.14 121.62 9 29 56 1330.1 3.74 24.66
 104.71 12 48 53 1198.25 -4.43 336.20 34.15 121.63 13 8 49 596.2 3.75 329.79
 75.29 8 57 38 1938.10 -4.45 31.06 34.14 121.62 9 29 56 1330.1 3.74 24.66
 104.71 12 48 53 1198.25 -4.43 336.20 34.15 121.63 13 8 49 596.2 3.75 329.79
 110.00 11 43 23 1400.17 -12.09 344.48 26.87 122.22 12 6 43 800.2 -7.75 338.08
 110.00 15 2 18 782.18 11.18 311.77 41.44 122.51 15 15 20 182.2 15.39 305.19

DIFFERENTIAL CORRECTIONS

TOE 8.1823 TRA 1.5233 TC3 -1.227 BAU 4.7925
 RO-17.8815 RRA 4.3080 RC3 .2841 FAU-.08472
 FDE-4.1886 FRA .9200 FC3 .0833 BSP 11222
 BOE19.8648 BRA 4.5694 BC3 .3094 FSP -206

MID-COURSE EXECUTION ACCURACY

SGT 1638.6 SGR 3677.7 SG3 72.9
 RRT -.9134 RRF .9997 RTF -.9202
 SGB 4026.3 R23 -.0473 R13 .9987
 SGI 3978.8 SGT 616.7 TMA 112.72

ORBIT DETERMINATION ACCURACY

ST 1380.6 SR 3021.5 SS 2572.2
 CRT -.9887 CRS -1.0000 CST .9898
 LSA 4197.0 MSA 191.9 SSA 1.6
 EL1 3316.6 EL2 188.1 ALF 114.40

LAUNCH DATE MAY 3 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 428.327

RL 150.80 LAL .00 LOL 221.89 VL 27.212 GAL 4.27 AZL 55.68 MCA 183.18 SMA 130.15 ECC .17486 INC34.3182 V1 29.547
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.872 GAP -2.62 AZP 124.28 TAL 159.04 TAP 342.23 RCA 107.40 APO 152.91 V2 35.036
 RC 71.485 GL 64.47 GP -77.40 ZAL 84.60 ZAP 86.34 ETS 149.44 ZAE 86.08 ETE 38.30 ZAC 93.48 ETC 107.09 CLP 73.00

PLANETOCENTRIC CONIC

C3 287.470 VHL 16.955 OLA 68.04 RAL 200.23 RAD 6571.7 VEL 20.218 PTM 3.15 VHP 23.416 OPA -76.69 RAP 78.93 ECC 5.7310
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 25.13 22 48 45 4975.65 -5.89 243.74 107.86 22.08 24 11 41 4375.6 -13.29 241.07
 154.87 9 10 31 3235.44 -5.88 96.11 107.84 22.08 10 4 27 2635.4 -13.28 93.44
 25.13 22 48 45 4975.65 -5.89 243.74 107.86 22.08 24 11 41 4375.6 -13.29 241.07
 154.87 9 10 31 3235.44 -5.88 96.11 107.84 22.08 10 4 27 2635.4 -13.28 93.44
 25.13 22 48 45 4975.65 -5.89 243.74 107.86 22.08 24 11 41 4375.6 -13.29 241.07
 154.87 9 10 31 3235.44 -5.88 96.11 107.84 22.08 10 4 27 2635.4 -13.28 93.44

DIFFERENTIAL CORRECTIONS

TOE -.2830 TRA-3.5423 TC3 -1.1867 BAU 1.0204
 ROE 2.1843 RRA-3.6732 RC3 -1.1887 FAU-.01916
 FDE -.3521 FRA 1.1639 FC3 .0577 BSP 13963
 BOE 2.1827 BRA 5.1030 BC3 .2655 FSP -281

MID-COURSE EXECUTION ACCURACY

SGT 3264.8 SGR 3459.0 SG3 93.0
 RRT .9708 RRF -.9948 RTF -.9901
 SGB 4756.4 R23 -.0119 R13 -.9999
 SGI 4721.6 SGT 574.1 TMA 46.70

ORBIT DETERMINATION ACCURACY

ST 965.3 SR 1235.8 SS 882.4
 CRT .7434 CRS .9630 CST .8962
 LSA 1821.9 MSA 542.3 SSA .6
 EL1 1471.4 EL2 542.2 ALF 54.27

LAUNCH DATE MAY 3 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 434.403

RL 150.80 LAL .00 LOL 221.89 VL 27.228 GAL 4.32 AZL 74.37 MCA 186.06 SMA 130.26 ECC .17429 INC15.6330 V1 29.547
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.896 GAP -2.24 AZP 105.55 TAL 158.73 TAP 344.79 RCA 107.56 APO 152.97 V2 35.049
 RC 73.590 GL 62.79 GP -82.84 ZAL 78.67 ZAP 84.10 ETS 46.73 ZAE 101.48 ETE 298.56 ZAC 101.94 ETC 10.80 CLP -34.48

PLANETOCENTRIC CONIC

C3 67.686 VHL 8.227 OLA 62.38 RAL 204.47 RAD 6569.3 VEL 13.749 PTM 2.51 VHP 12.127 OPA -65.30 RAP 115.25 ECC 2.1139
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 31.78 23 20 56 4684.91 -21.59 231.56 102.53 29.91 24 39 1 4084.9 -28.46 227.45
 148.22 9 12 9 2991.99 -21.58 91.39 102.51 29.90 10 2 1 2392.0 -28.45 87.28
 31.78 23 20 56 4684.91 -21.59 231.56 102.53 29.91 24 39 1 4084.9 -28.46 227.45
 148.22 9 12 9 2991.99 -21.58 91.39 102.51 29.90 10 2 1 2392.0 -28.45 87.28
 31.78 23 20 56 4684.91 -21.59 231.56 102.53 29.91 24 39 1 4084.9 -28.46 227.45
 148.22 9 12 9 2991.99 -21.58 91.39 102.51 29.90 10 2 1 2392.0 -28.45 87.28

DIFFERENTIAL CORRECTIONS

TOE 1.4186 TRA-1.4866 TC3 .0129 BAU .1716
 ROE -.8198 RRA 2.8087 RC3 -.1892 FAU .00733
 FDE -.5491 FRA 1.2800 FC3 -.0938 BSP 15215
 BOE 1.5463 BRA 3.1778 BC3 .1897 FSP -542

MID-COURSE EXECUTION ACCURACY

SGT 2441.5 SGR 4252.6 SG3 169.9
 RRT -.9491 RRF .9956 RTF -.9736
 SGB 4903.6 R23 .0140 R13 .9996
 SGI 4857.2 SGT 673.0 TMA 119.20

ORBIT DETERMINATION ACCURACY

ST 1192.5 SR 1337.3 SS 725.2
 CRT -.7987 CRS -.9672 CST .9254
 LSA 1848.8 MSA 564.5 SSA 1.4
 EL1 1700.7 EL2 564.3 ALF 130.91

LAUNCH DATE MAY 3 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 440.723

RL 150.80 LAL .00 LOL 221.89 VL 27.240 GAL 4.33 AZL 80.79 MCA 189.16 SMA 130.35 ECC .17365 INC 9.2127 V1 29.547
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.917 GAP -1.81 A7P 99.10 TAL 158.58 TAP 347.74 RCA 107.72 APO 152.99 V2 35.062
 RC 75.721 GL 53.86 GP -74.55 ZAL 72.48 ZAP 83.34 ETS 24.94 ZAE 110.71 ETE 279.09 ZAC 106.01 ETC 355.43 CLP -64.18

PLANETOCENTRIC CONIC

C3 29.002 VHL 5.365 OLA 54.21 RAL 195.80 RAD 6560.2 VEL 12.263 PTH 2.21 VMP 6.283 OPA -56.99 RAP 125.23 ECC 1.4773
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 41.64 23 12 15 4423.52 -30.63 212.84 80.55 42.82 24 25 59 3623.5 -36.32 206.51
 138.36 8 11 41 2831.21 -30.62 85.23 80.53 42.81 8 58 52 2231.2 -36.31 78.91
 41.64 23 12 15 4423.52 -30.63 212.84 80.55 42.82 24 25 59 3623.5 -36.32 206.51
 138.36 8 11 41 2831.21 -30.62 85.23 80.53 42.81 8 58 52 2231.2 -36.31 78.91
 41.64 23 12 15 4423.52 -30.63 212.84 80.55 42.82 24 25 59 3623.5 -36.32 206.51
 138.36 8 11 41 2831.21 -30.62 85.23 80.53 42.81 8 58 52 2231.2 -36.31 78.91

DIFFERENTIAL CORRECTIONS

TDE .6005 TRA -.3795 TC3 -.0372 BAU .3722
 RDE -.3486 RRA 2.5542 RC3 -.9593 FAU .02490
 FDE -.3665 FRA 1.7879 FC3 -.7433 BSP 15126
 BDE .6944 BRA 2.5823 BC3 .9600 FSP -930

MID-COURSE EXECUTION ACCURACY

SGT 941.5 SGR 4774.1 SG3 291.3
 RRT -.7572 RRF .9990 RTF -.7756
 SGB 4866.0 R23 .0103 R13 .9994
 SGI 4827.9 SG2 608.1 TMA 98.63

ORBIT DETERMINATION ACCURACY

ST 871.6 SR 1442.7 SS 752.2
 CRT -.5425 CRS -.9928 CST .6392
 LSA 1673.9 MSA 544.4 SSA 2.3
 EL1 1495.4 EL2 544.3 ALF 106.41

LAUNCH DATE MAY 3 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 447.091

RL 150.80 LAL .00 LOL 221.89 VL 27.250 GAL 4.34 AZL 83.96 MCA 192.32 SMA 130.42 ECC .17319 INC 6.0397 V1 29.547
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.936 GAP -1.36 A7P 95.90 TAL 158.44 TAP 350.76 RCA 107.83 APO 153.01 V2 35.075
 RC 77.874 GL 43.80 GP -67.48 ZAL 66.88 ZAP 84.05 ETS 15.46 ZAE 117.88 ETE 271.12 ZAC 109.07 ETC 351.98 CLP -74.29

PLANETOCENTRIC CONIC

C3 17.188 VHL 4.146 OLA 45.12 RAL 188.09 RAD 6567.7 VEL 11.772 PTH 2.08 VMP 6.453 OPA -50.15 RAP 130.01 ECC 1.2828
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 53.27 23 19 42 4205.48 -31.51 191.82 80.49 55.86 24 29 48 3605.5 -35.75 184.08
 128.73 7 2 42 2796.19 -31.50 82.62 80.48 55.85 7 49 18 2196.2 -35.74 74.88
 53.27 23 19 42 4205.48 -31.51 191.82 80.49 55.86 24 29 48 3605.5 -35.75 184.08
 128.73 7 2 42 2796.19 -31.50 82.62 80.48 55.85 7 49 18 2196.2 -35.74 74.88
 53.27 23 19 42 4205.48 -31.51 191.82 80.49 55.86 24 29 48 3605.5 -35.75 184.08
 128.73 7 2 42 2796.19 -31.50 82.62 80.48 55.85 7 49 18 2196.2 -35.74 74.88

DIFFERENTIAL CORRECTIONS

TDE .3606 TRA -.0241 TC3 -.3068 BAU .4303
 RDE -.1921 RRA 2.2792 RC3 -1.8476 FAU .04250
 FDE -.3213 FRA 2.4203 FC3 -2.1409 BSP 14831
 BDE .4086 BRA 2.2794 BC3 1.8729 FSP -1404

MID-COURSE EXECUTION ACCURACY

SGT 561.5 SGR 4727.5 SG3 439.1
 RRT .0176 RRF .9991 RTF .0023
 SGB 4760.7 R23 .0155 R13 .9991
 SGI 4727.5 SG2 561.4 TMA 89.88

ORBIT DETERMINATION ACCURACY

ST 498.6 SR 1366.2 SS 831.3
 CRT -.2216 CRS -.9943 CST .3243
 LSA 1602.8 MSA 487.1 SSA 3.4
 EL1 1371.3 EL2 484.4 ALF 95.28

LAUNCH DATE MAY 3 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 453.464

RL 150.80 LAL .00 LOL 221.89 VL 27.257 GAL 4.36 AZL 85.85 MCA 195.50 SMA 130.47 ECC .17294 INC 4.1493 V1 29.547
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.953 GAP -1.92 A7P 94.00 TAL 158.29 TAP 353.79 RCA 107.91 APO 153.04 V2 35.088
 RC 80.046 GL 33.82 GP -61.46 ZAL 62.38 ZAP 86.00 ETS 8.58 ZAE 123.26 ETE 264.70 ZAC 111.83 ETC 350.67 CLP -81.61

PLANETOCENTRIC CONIC

C3 12.488 VHL 3.534 OLA 36.27 RAL 182.45 RAD 6567.5 VEL 11.570 PTH 2.02 VMP 5.419 OPA -44.12 RAP 132.52 ECC 1.2055
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.32 0 0 12 3968.69 -27.94 169.35 46.20 65.86 1 6 21 3368.7 -30.95 161.26
 113.68 5 41 9 2890.99 -27.93 88.38 46.19 65.85 6 29 20 2291.0 -30.94 80.28
 66.32 0 0 12 3968.69 -27.94 169.35 46.20 65.86 1 6 21 3368.7 -30.95 161.26
 113.68 5 41 9 2890.99 -27.93 88.38 46.19 65.85 6 29 20 2291.0 -30.94 80.28
 66.32 0 0 12 3968.69 -27.94 169.35 46.20 65.86 1 6 21 3368.7 -30.95 161.26
 113.68 5 41 9 2890.99 -27.93 88.38 46.19 65.85 6 29 20 2291.0 -30.94 80.28

DIFFERENTIAL CORRECTIONS

TDE .2349 TRA .2158 TC3 -.7563 BAU .4500
 RDE -.2082 RRA 2.0715 RC3 -2.5874 FAU .05987
 FDE -.4593 FRA 3.0808 FC3 -4.1509 BSP 14454
 BDE .3139 BRA 2.0827 BC3 2.6957 FSP -1914

MID-COURSE EXECUTION ACCURACY

SGT 786.9 SGR 4562.1 SG3 595.8
 RRT .7401 RRF .9990 RTF .7323
 SGB 4629.5 R23 .0253 R13 .9987
 SGI 4599.7 SG2 524.8 TMA 82.63

ORBIT DETERMINATION ACCURACY

ST 402.9 SR 1295.7 SS 938.5
 CRT .0671 CRS -.9931 CST .0499
 LSA 1597.5 MSA 412.4 SSA 4.6
 EL1 1296.0 EL2 401.9 ALF 88.68

LAUNCH DATE MAY 3 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 459.832

RL 150.80 LAL .00 LOL 221.89 VL 27.262 GAL 4.39 AZL 87.11 MCA 198.70 SMA 130.51 ECC .17292 INC 2.8906 V1 29.547
 RP 107.96 LAP -.93 LOP 60.56 VP 37.968 GAP -1.47 A7P 92.74 TAL 158.10 TAP 356.80 RCA 107.94 APO 153.07 V2 35.101
 RC 82.236 GL 25.21 GP -56.18 ZAL 59.07 ZAP 88.94 ETS 2.93 ZAE 127.77 ETE 258.29 ZAC 114.50 ETC 350.11 CLP -88.10

PLANETOCENTRIC CONIC

C3 10.357 VHL 3.218 OLA 28.34 RAL 178.42 RAD 6567.4 VEL 11.478 PTH 2.00 VMP 4.780 OPA -38.65 RAP 133.77 ECC 1.1705
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 88.70 2 23 48 3426.10 -22.89 126.37 36.94 72.81 3 20 54 2826.1 -25.03 118.35
 91.30 2 45 25 3356.01 -22.88 121.24 36.94 72.80 3 41 21 2756.0 -25.02 113.22
 100.00 5 16 35 2868.60 -28.41 86.85 38.41 80.30 6 4 24 2268.6 -29.46 78.20
 100.00 2 35 18 3388.75 -17.57 121.48 34.78 65.42 3 31 47 2788.7 -20.74 114.12
 110.00 7 33 26 2440.22 -34.14 55.01 39.08 88.18 8 14 7 1840.2 -34.02 45.76
 110.00 2 34 57 3389.89 -12.50 118.74 31.95 57.92 3 31 26 2789.9 -16.65 112.09

DIFFERENTIAL CORRECTIONS

TDE .1280 TRA .4247 TC3 -1.3124 BAU .4576
 RDE -.2749 RRA 1.8865 RC3 -3.0333 FAU .07589
 FDE -.7410 FRA 3.7107 FC3 -6.3431 BSP 14046
 BDE .3033 BRA 1.9435 BC3 3.3051 FSP -2412

MID-COURSE EXECUTION ACCURACY

SGT 1226.2 SGR 4332.3 SG3 747.0
 RRT .9099 RRF .9988 RTF .9052
 SGB 4502.5 R23 .0373 R13 .9982
 SGI 4475.5 SG2 492.5 TMA 75.38

ORBIT DETERMINATION ACCURACY

ST 345.0 SR 1252.0 SS 1079.0
 CRT .4320 CRS -.9919 CST -.3138
 LSA 1655.0 MSA 334.3 SSA 6.1
 EL1 1261.4 EL2 308.8 ALF 82.78

LAUNCH DATE MAY 3 1967 FLIGHT TIME 174.00 ARRIVAL DATE OCT 24 1967

MELIOCENTRIC CONIC
 RL 150.80 LAL .00 LOL 221.89 VL 27.265 GAL 4.44 AZL 88.01 MCA 201.90 SMA 130.52 ECC .17313 INC 1.9880 V1 29.547
 RP 107.92 LAP -.74 LOP 63.78 VP 37.982 GAP -.03 A7P 91.84 TAL 157.89 TAP 359.79 RCA 107.92 APO 153.12 V2 35.113
 RC 84.440 GL 17.96 GP -51.43 ZAL 56.76 ZAP 92.61 ETS 358.19 ZAE 131.30 ETE 251.56 ZAC 117.10 ETC 350.00 CLP -94.20

PLANETOCENTRIC CONIC
 C3 9.350 VHL 3.058 OLA 21.57 RAL 175.53 RAD 6567.3 VEL 11.434 PTH 1.98 VMP 4.367 DPA -33.62 RAP 134.29 ECC 1.1539
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 13 48 2795.07 -28.17 81.46 32.02 92.99 6 0 23 2195.1 -27.46 150.90
 90.00 23 28 22 3946.46 -8.05 157.74 27.50 62.76 24 34 8 3346.5 -11.64 49.86
 100.00 6 50 5 2484.59 -29.50 58.52 31.91 95.05 7 31 30 1884.6 -28.49 134.67
 100.00 0 38 41 3732.18 -6.88 141.36 26.86 60.84 1 40 53 3132.2 -10.71 25.57
 110.00 8 29 39 2173.09 -32.78 34.34 31.40 100.29 9 5 53 1573.1 -31.01 124.56
 110.00 1 15 37 3616.44 -4.06 130.85 25.12 56.03 2 15 53 3016.4 -8.49

DIFFERENTIAL CORRECTIONS
 TOE .0164 TRA .6214 TC3-1.8928 BAU .4637 SGT 1705.4 SGR 4057.3 SG3 881.1 ORBIT DETERMINATION ACCURACY
 RDE -.3438 RRA 1.7362 RC3-3.1909 FAU .08977 RRT .9566 RRF .9986 RTF .9530 ST 378.5 SR 1232.9 SS 1253.6
 FDE-1.1165 FRA 4.2627 FC3-8.3121 BSP 13736 SGB 4401.1 R23 .0504 R13 .9973 CRT .8067 CRS -.9914 CST -.7227
 BDE .3442 BRA 1.8441 BC3 3.7100 FSP -2870 SG1 4378.9 SG2 460.6 TMA 67.84 LSA 1778.7 MSA 266.3 SSA 7.8
 EL1 1271.3 EL2 216.9 ALF 75.66

LAUNCH DATE MAY 3 1967 FLIGHT TIME 176.00 ARRIVAL DATE OCT 26 1967

MELIOCENTRIC CONIC
 RL 150.80 LAL .00 LOL 221.89 VL 27.265 GAL 4.50 AZL 88.69 MCA 205.11 SMA 130.52 ECC .17357 INC 1.3058 V1 29.547
 RP 107.89 LAP -.55 LOP 66.99 VP 37.993 GAP .41 A7P 91.18 TAL 157.64 TAP 2.76 RCA 107.87 APO 153.18 V2 35.125
 RC 86.655 GL 11.98 GP -47.08 ZAL 55.17 ZAP 96.78 ETS 354.21 ZAE 133.93 ETE 244.53 ZAC 119.60 ETC 350.26 CLP -99.99

PLANETOCENTRIC CONIC
 C3 8.904 VHL 2.984 OLA 15.90 RAL 173.43 RAD 6567.3 VEL 11.415 PTH 1.98 VMP 4.099 DPA -28.96 RAP 134.39 ECC 1.1465
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 6 21 2557.67 -26.15 64.42 27.15 101.28 6 48 58 1957.7 -24.33 56.22
 90.00 22 19 5 4164.96 -1.09 170.03 23.33 61.70 23 28 30 3565.0 -4.87 163.38
 100.00 7 36 30 2266.91 -27.16 42.79 26.91 102.99 8 14 17 1666.9 -25.10 34.59
 100.00 23 31 37 3930.96 -1.19 152.32 22.82 60.11 24 37 8 3331.0 -4.16 145.79
 110.00 9 4 20 1992.11 -29.79 21.10 26.09 107.59 9 37 32 1392.1 -27.10 12.95
 110.00 0 24 12 3778.52 2.13 139.31 21.38 55.88 1 27 11 3178.5 -2.36 133.11

DIFFERENTIAL CORRECTIONS
 TOE -.1051 TRA .8118 TC3-2.4375 BAU .4698 SGT 2187.2 SGR 3753.4 SG3 989.7 ORBIT DETERMINATION ACCURACY
 RDE -.3906 RRA 1.5913 RC3-3.1040 FAU .10005 RRT .9739 RRF .9982 RTF .9710 ST 528.2 SR 1214.1 SS 1438.8
 FDE-1.5150 FRA 4.7265 FC3-9.7281 BSP 13420 SGB 4344.2 R23 .0624 R13 .9963 CRT .9623 CRS -.9913 CST -.9184
 BDE .4045 BRA 1.7864 BC3 3.9467 FSP -3221 SG1 4322.8 SG2 430.7 TMA 60.10 LSA 1943.5 MSA 214.3 SSA 9.8
 EL1 1317.4 EL2 132.3 ALF 67.04

LAUNCH DATE MAY 3 1967 FLIGHT TIME 178.00 ARRIVAL DATE OCT 28 1967

MELIOCENTRIC CONIC
 RL 150.80 LAL .00 LOL 221.89 VL 27.263 GAL 4.57 AZL 89.23 MCA 208.33 SMA 130.51 ECC .17423 INC .7691 V1 29.547
 RP 107.85 LAP -.37 LOP 70.21 VP 38.003 GAP .84 A7P 90.68 TAL 157.36 TAP 5.69 RCA 107.77 APO 153.25 V2 35.137
 RC 88.880 GL 7.08 GP -43.08 ZAL 54.06 ZAP 101.25 ETS 350.91 ZAE 135.69 ETE 237.40 ZAC 121.95 ETC 350.87 CLP-105.49

PLANETOCENTRIC CONIC
 C3 8.771 VHL 2.962 OLA 11.20 RAL 171.92 RAD 6567.3 VEL 11.409 PTH 1.97 VMP 3.931 DPA -24.65 RAP 134.26 ECC 1.1443
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 41 41 2391.35 -23.43 53.00 23.90 106.38 7 21 32 1791.4 -20.96 45.20
 90.00 21 31 40 4325.52 4.08 178.99 21.07 61.95 22 43 45 3725.5 .30 172.35
 100.00 8 8 39 2110.85 -24.32 32.07 23.60 107.94 8 43 50 1510.9 -21.64 24.30
 100.00 22 47 22 4081.25 4.90 160.58 20.62 60.47 23 55 24 3481.3 .93 154.04
 110.00 9 29 39 1857.40 -26.66 11.87 22.65 112.23 10 0 37 1257.4 -23.41 4.22
 110.00 23 42 52 3907.47 7.02 146.08 19.31 56.46 24 47 59 3307.5 2.57 139.83

DIFFERENTIAL CORRECTIONS
 TOE -.2369 TRA .9943 TC3-2.9165 BAU .4820 SGT 2653.2 SGR 3433.0 SG3 1068.3 ORBIT DETERMINATION ACCURACY
 RDE -.4209 RRA 1.4502 RC3-2.8963 FAU .10756 RRT .9820 RRF .9976 RTF .9794 ST 747.6 SR 1184.0 SS 1621.2
 FDE-1.9192 FRA 5.0592 FC-10.6170 BSP 13372 SGB 4338.8 R23 .0721 R13 .9950 CRT .9949 CRS -.9912 CST -.9732
 BDE .4830 BRA 1.7583 BC3 4.1103 FSP -3503 SG1 4320.5 SG2 397.7 TMA 52.43 LSA 2134.5 MSA 181.2 SSA 11.6
 EL1 1398.8 EL2 63.6 ALF 57.79

LAUNCH DATE MAY 3 1967 FLIGHT TIME 180.00 ARRIVAL DATE OCT 30 1967

MELIOCENTRIC CONIC
 RL 150.80 LAL .00 LOL 221.89 VL 27.259 GAL 4.66 AZL 89.67 MCA 211.55 SMA 130.49 ECC .17511 INC .3333 V1 29.547
 RP 107.82 LAP -.17 LOP 73.43 VP 38.011 GAP 1.28 A7P 90.28 TAL 157.04 TAP 8.59 RCA 107.64 APO 153.33 V2 35.149
 RC 91.113 GL 3.08 GP -39.39 ZAL 53.22 ZAP 105.85 ETS 348.21 ZAE 136.65 ETE 230.42 ZAC 124.07 ETC 351.82 CLP-110.69

PLANETOCENTRIC CONIC
 C3 8.830 VHL 2.971 OLA 7.27 RAL 170.84 RAD 6567.3 VEL 11.411 PTH 1.98 VMP 3.838 DPA -20.68 RAP 134.04 ECC 1.1453
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 8 43 2265.06 -20.76 44.70 21.85 109.70 7 46 28 1665.1 -17.89 37.21
 90.00 20 56 3 4454.38 8.15 186.27 19.96 62.79 22 10 17 3854.4 4.44 179.55
 100.00 8 33 32 1991.46 -21.59 24.25 21.52 111.19 9 6 44 1391.5 -18.52 16.80
 100.00 22 13 54 4203.21 8.94 167.38 19.54 61.36 23 23 57 3603.2 5.04 160.76
 110.00 9 49 45 1752.97 -23.79 5.12 20.49 115.30 10 18 58 1153.0 -20.19 357.83
 110.00 23 14 11 4014.46 11.00 151.82 18.30 57.43 24 21 5 3414.5 6.63 145.45

DIFFERENTIAL CORRECTIONS
 TOE -.3768 TRA 1.1700 TC3-3.3151 BAU .4986 SGT 3095.5 SGR 3111.1 SG3 1116.2 ORBIT DETERMINATION ACCURACY
 RDE -.4319 RRA 1.3182 RC3-2.6176 FAU .11182 RRT .9862 RRF .9968 RTF .9839 ST 998.5 SR 1134.2 SS 1783.4
 FDE-2.2865 FRA 5.2713 FC-10.9641 BSP 13509 SGB 4388.7 R23 .0774 R13 .9938 CRT .9998 CRS -.9907 CST -.9893
 BDE .5732 BRA 1.7625 BC3 4.2240 FSP -3689 SG1 4373.5 SG2 364.6 TMA 45.15 LSA 2331.8 MSA 162.3 SSA 12.9
 EL1 1511.0 EL2 15.0 ALF 48.64

LAUNCH DATE MAY 3 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC
 RL 150.80 LAL .00 LOL 221.89 VL 27.254 GAL 4.76 AZL 90.03 MCA 214.77 SMA 130.45 ECC .17621 INC .0252 V1 29.547
 RP 107.78 LAP .02 LOP 76.66 VP 38.017 GAP 1.71 AZP 89.98 TAL 156.69 TAP 11.46 RCA 107.46 APO 153.43 V2 35.160
 RC 93.352 GL -.26 GP -35.99 ZAL 52.54 ZAP 110.43 ETS 346.03 ZAE 136.94 ETE 223.88 ZAC 125.90 ETC 353.05 CLP-115.56

PLANETOCENTRIC CONIC
 C3 9.018 VML 3.003 CLA 3.98 RAL 170.10 RAD 6567.3 VEL 11.420 PTH 1.98 VMP 3.802 OPA -17.05 RAP 133.84 ECC 1.1484
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 30 50 2165.39 -18.35 38.39 20.66 111.96 8 6 55 1565.4 -15.21 31.12
 90.00 20 28 4 4562.16 11.45 192.47 19.60 63.92 21 44 6 3962.2 7.85 185.64
 100.00 8 54 2 1897.01 -19.15 18.30 20.31 113.40 9 25 39 1297.0 -15.82 11.09
 100.00 21 47 33 4305.77 12.23 173.22 19.20 62.51 22 59 18 3705.8 8.45 166.47
 110.00 10 6 33 1670.03 -21.29 359.99 19.23 117.40 10 34 23 1070.0 -17.45 352.96
 110.00 22 51 31 4105.51 14.29 156.83 18.01 58.61 23 59 56 3505.5 10.03 150.31

DIFFERENTIAL CORRECTIONS
 TOE -.9221 TRA 1.3392 TC3-3.6300 BAU .5189
 RDE -.4262 RRA 1.1965 RC3-2.3114 FAU .11295
 FDE-2.5945 FRA 5.3722 FC-10.8429 BSP 13820
 BDE .6740 BRA 1.7958 BC3 4.3035 FSP -3780

MID-COURSE EXECUTION ACCURACY
 SGT 3507.9 SGR 2797.3 SG3 1134.7
 RRT .9883 RRF .9956 RTF .9864
 SGB 4486.7 R23 .0773 R13 .9928
 SGI 4474.2 SG2 334.9 TMA 38.50

ORBIT DETERMINATION ACCURACY
 ST 1259.7 SR 1065.0 SS 1916.6
 CRT .9990 CRS -.9896 CST -.9948
 LSA 2524.1 MSA 152.8 SSA 13.9
 EL1 1649.2 EL2 37.3 ALF 40.21

LAUNCH DATE MAY 3 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC
 RL 150.80 LAL .00 LOL 221.89 VL 27.247 GAL 4.87 AZL 90.34 MCA 218.00 SMA 130.40 ECC .17753 INC .3360 V1 29.547
 RP 107.75 LAP .21 LOP 79.88 VP 38.021 GAP 2.14 AZP 89.73 TAL 156.29 TAP 14.29 RCA 107.25 APO 153.55 V2 35.170
 RC 95.596 GL -3.00 GP -32.89 ZAL 51.94 ZAP 114.91 ETS 344.27 ZAE 136.67 ETE 217.96 ZAC 127.41 ETC 354.50 CLP-120.11

PLANETOCENTRIC CONIC
 C3 9.303 VML 3.050 CLA 1.20 RAL 169.64 RAD 6567.3 VEL 11.432 PTH 1.98 VMP 3.811 OPA -13.76 RAP 133.71 ECC 1.1531
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 49 44 2084.84 -16.22 33.43 20.11 113.53 8 24 28 1484.8 -12.90 26.33
 90.00 20 5 29 4654.72 14.16 197.92 19.78 65.22 21 23 4 4054.7 10.70 190.95
 100.00 9 11 37 1820.67 -17.02 13.63 19.73 114.95 9 41 58 1220.7 -13.51 6.59
 100.00 21 26 16 4394.13 14.94 178.37 19.39 63.81 22 39 31 3794.1 11.30 171.47
 110.00 10 21 9 1603.06 -19.13 355.98 18.60 118.88 10 47 52 1003.1 -15.14 349.15
 110.00 22 33 15 4184.50 17.04 161.29 18.23 59.91 23 42 59 3584.5 12.91 154.62

DIFFERENTIAL CORRECTIONS
 TOE -.6697 TRA 1.5037 TC3-3.8625 BAU .5414
 RDE -.4076 RRA 1.0868 RC3-2.0078 FAU .11135
 FDE-2.8317 FRA 5.3828 FC-10.3627 BSP 14244
 BDE .7840 BRA 1.8553 BC3 4.3532 FSP -3780

MID-COURSE EXECUTION ACCURACY
 SGT 3888.1 SGR 2501.2 SG3 1128.3
 RRT .9891 RRF .9940 RTF .9879
 SGB 4623.1 R23 .0717 R13 .9919
 SGI 4612.6 SG2 311.1 TMA 32.63

ORBIT DETERMINATION ACCURACY
 ST 1518.7 SR 981.3 SS 2017.7
 CRT .9966 CRS -.9878 CST -.9971
 LSA 2705.1 MSA 149.2 SSA 14.4
 EL1 1806.8 EL2 67.9 ALF 32.83

LAUNCH DATE MAY 3 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC
 RL 150.80 LAL .00 LOL 221.89 VL 27.238 GAL 5.00 AZL 90.60 MCA 221.22 SMA 130.34 ECC .17907 INC .6039 V1 29.547
 RP 107.72 LAP .40 LOP 83.11 VP 38.025 GAP 2.57 AZP 89.55 TAL 155.87 TAP 17.03 RCA 107.00 APO 153.67 V2 35.180
 RC 97.843 GL -5.28 GP -30.07 ZAL 51.36 ZAP 119.22 ETS 342.87 ZAE 136.01 ETE 212.77 ZAC 128.57 ETC 356.11 CLP-124.34

PLANETOCENTRIC CONIC
 C3 9.665 VML 3.109 CLA -1.18 RAL 169.41 RAD 6567.3 VEL 11.448 PTH 1.99 VMP 3.858 OPA -10.82 RAP 133.69 ECC 1.1591
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 6 22 2018.73 -14.39 29.45 20.02 114.66 8 40 1 1418.7 -10.94 22.46
 90.00 19 46 57 4735.79 16.41 202.81 20.35 66.60 21 5 52 4135.8 13.11 195.69
 100.00 9 27 10 1758.11 -15.18 9.89 19.63 116.06 9 56 28 1158.1 -11.56 2.98
 100.00 21 8 50 4471.64 17.22 183.00 19.97 65.18 22 23 22 3871.6 13.73 175.95
 110.00 10 34 9 1548.42 -17.31 352.80 18.45 119.95 10 59 58 948.4 -13.20 346.10
 110.00 22 18 20 4254.11 19.36 165.35 18.83 61.27 23 29 14 3654.1 15.38 158.49

DIFFERENTIAL CORRECTIONS
 TOE -.3409 TRA .9885 RC3-1.7275 FAU .10779
 RDE -.50038 FRA 5.3180 FC3-9.6553 BSP 14794
 BDE .9036 BRA 1.9345 BC3 4.3796 FSP -3717

MID-COURSE EXECUTION ACCURACY
 SGT 4786.0 R23 .0614 R13 .9913
 SGI 4776.9 SG2 294.8 TMA 27.60

ORBIT DETERMINATION ACCURACY
 ST 1979.0 SR 91.2 ALF 26.61

LAUNCH DATE MAY 3 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC
 RL 150.80 LAL .00 LOL 221.89 VL 27.228 GAL 5.15 AZL 90.84 MCA 224.45 SMA 130.26 ECC .18084 INC .8386 V1 29.547
 RP 107.69 LAP .59 LOP 86.34 VP 38.026 GAP 3.00 AZP 89.40 TAL 155.40 TAP 19.86 RCA 106.71 APO 153.82 V2 35.190
 RC 100.092 GL -7.18 GP -27.52 ZAL 50.77 ZAP 123.30 ETS 341.75 ZAE 135.07 ETE 208.33 ZAC 129.38 ETC 357.80 CLP-128.25

PLANETOCENTRIC CONIC
 C3 10.095 VML 3.177 CLA -3.22 RAL 169.35 RAD 6567.4 VEL 11.467 PTH 1.99 VMP 3.935 OPA -8.20 RAP 133.83 ECC 1.1661
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 21 22 1963.91 -12.80 26.20 20.30 115.47 8 54 6 1363.9 -9.27 19.30
 90.00 1 4807.90 18.31 207.25 21.24 68.01 20 51 41 4207.9 15.16 199.98
 100.00 9 41 12 1706.37 -13.61 6.85 19.89 116.87 10 9 39 1106.4 -9.90 .03
 100.00 20 54 24 4540.67 19.14 187.23 20.87 66.59 22 10 4 3940.7 15.81 180.02
 110.00 10 46 0 1503.54 -15.76 350.24 18.67 120.73 11 11 3 903.5 -11.57 343.64
 110.00 22 6 5 4316.27 21.36 169.07 19.75 62.65 23 18 2 3716.3 17.52 162.04

DIFFERENTIAL CORRECTIONS
 TOE -.9668 TRA 1.8217 TC3-4.1128 BAU .5895
 RDE -.3469 RRA .9033 RC3-1.4716 FAU .10234
 FDE-3.1036 FRA 5.2092 FC3-8.7769 BSP 15342
 BDE 1.0272 BRA 2.0334 BC3 4.3681 FSP -3584

MID-COURSE EXECUTION ACCURACY
 SGT 4549.3 SGR 1981.8 SG3 1061.5
 RRT .9875 RRF .9884 RTF .9892
 SGB 4962.2 R23 .0487 R13 .9907
 SGI 4953.9 SG2 287.3 TMA 23.36

ORBIT DETERMINATION ACCURACY
 ST 2005.0 SR 794.8 SS 2132.0
 CRT .9890 CRS -.9807 CST -.9988
 LSA 3028.9 MSA 150.8 SSA 14.9
 EL1 2154.0 EL2 109.6 ALF 21.46

LAUNCH DATE MAY 3 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 516.378

RL 150.80 LAL .00 LOL 221.89 VL 27.216 GAL 5.31 AZL 91.05 MCA 227.69 SMA 130.18 ECC .18282 INC 1.0481 V1 29.547
 RP 107.66 LAP .78 LOP 89.57 VP 38.026 GAP 3.44 AZP 89.29 TAL 154.90 TAP 22.59 RCA 106.38 APO 153.98 V2 35.199
 RC 102.344 GL -8.76 GP -25.23 ZAL 50.16 ZAP 127.14 ETS 340.84 ZAE 133.97 ETE 204.58 ZAC 129.85 ETC 359.50 CLP-131.87

PLANETOCENTRIC CONIC

C3 10.590 VML 3.254 DLA -4.99 RAL 169.46 RAD 6567.4 VEL 11.488 PTH 2.00 VMP 4.038 CPA -5.91 RAP 134.12 ECC 1.1743
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 35 6 1918.20 -11.45 23.52 20.88 116.08 9 7 4 1318.2 -7.85 16.69
 90.00 19 18 40 4872.88 19.91 211.34 22.37 69.44 20 39 53 4272.9 16.94 203.93
 100.00 9 54 5 1663.38 -12.28 4.36 20.45 117.47 10 21 49 1063.4 -8.50 357.61
 100.00 20 42 22 4602.93 20.78 191.13 22.01 68.01 21 59 5 4002.9 17.61 183.77
 110.00 10 56 57 1466.60 -14.47 348.16 19.18 121.31 11 21 23 866.6 -10.22 341.64
 110.00 21 56 0 4372.48 23.07 172.53 20.91 64.05 23 8 52 3772.5 19.39 165.33

DIFFERENTIAL CORRECTIONS

TDE-1.1151 TRA 1.9769 TC3-4.1529 BAU .6141
 RDE -.3112 RRA .8279 RC3-1.2535 FAU .09630
 FDE-3.1581 FRA 5.0585 FC3-7.8730 BSP 15972
 BDE 1.1577 BRA 2.1433 BC3 4.3380 FSP -3432

MID-COURSE EXECUTION ACCURACY

SGT 4834.1 SGR 1762.6 SG3 1011.7
 RRT .9851 RRF .9840 RTF .9894
 SGB 5145.4 R23 .0346 R13 .9903
 SGI 5137.5 SG2 285.6 TMA 19.782

ORBIT DETERMINATION ACCURACY

ST 2227.1 SR 702.5 SS 2154.6
 CRT .9830 CRS -.9745 CST -.9991
 LSA 3173.7 MSA 153.5 SSA 14.9
 EL1 2332.0 EL2 123.4 ALF 17.28

LAUNCH DATE MAY 3 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 522.556

RL 150.80 LAL .00 LOL 221.89 VL 27.203 GAL 5.49 AZL 91.24 MCA 230.92 SMA 130.09 ECC .18504 INC 1.2372 V1 29.547
 RP 107.63 LAP .96 LOP 92.80 VP 38.025 GAP 3.87 AZP 89.22 TAL 154.37 TAP 25.29 RCA 106.02 APO 154.17 V2 35.208
 RC 104.596 GL -10.09 GP -23.18 ZAL 49.52 ZAP 130.74 ETS 340.10 ZAE 132.80 ETE 201.45 ZAC 130.00 ETC 1.14 CLP-135.23

PLANETOCENTRIC CONIC

C3 11.148 VML 3.339 DLA -6.54 RAL 169.70 RAD 6567.4 VEL 11.512 PTH 2.01 VMP 4.163 CPA -3.91 RAP 134.57 ECC 1.1835
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 47 49 1880.01 -10.30 21.31 21.69 116.52 9 19 9 1280.0 -6.65 14.53
 90.00 19 7 52 4932.10 21.28 215.14 23.72 70.87 20 30 4 4332.1 18.48 207.59
 100.00 10 6 3 1627.65 -11.15 2.31 21.25 117.92 10 33 11 1027.7 -7.33 355.61
 100.00 20 32 20 4659.69 22.18 194.76 23.37 69.43 21 49 59 4059.7 19.18 187.25
 110.00 11 7 11 1436.28 -13.39 346.47 19.93 121.75 11 31 7 836.3 -9.09 340.01
 110.00 21 47 42 4423.83 24.56 175.77 22.29 65.45 23 1 26 3823.8 21.04 168.40

DIFFERENTIAL CORRECTIONS

TDE-1.2619 TRA 2.1323 TC3-4.1447 BAU .6378
 RDE -.2738 RRA .7628 RC3-1.0664 FAU .08970
 FDE-3.1677 FRA 4.8882 FC3-6.9662 BSP 16607
 BDE 1.2913 BRA 2.2646 BC3 4.2797 FSP -3258

MID-COURSE EXECUTION ACCURACY

SGT 5090.6 SGR 1569.7 SG3 956.2
 RRT .9813 RRF .9781 RTF .9894
 SGB 5327.1 R23 .0210 R13 .9899
 SGI 5319.2 SG2 289.2 TMA 16.89

ORBIT DETERMINATION ACCURACY

ST 2432.5 SR 614.4 SS 2157.7
 CRT .9743 CRS -.9655 CST -.9993
 LSA 3305.3 MSA 156.8 SSA 14.9
 EL1 2505.3 EL2 134.5 ALF 13.87

LAUNCH DATE MAY 3 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 528.710

RL 150.80 LAL .00 LOL 221.89 VL 27.189 GAL 5.68 AZL 91.41 MCA 234.16 SMA 130.00 ECC .18749 INC 1.4097 V1 29.547
 RP 107.61 LAP 1.14 LOP 96.04 VP 38.023 GAP 4.31 AZP 89.17 TAL 153.81 TAP 27.97 RCA 105.62 APO 154.37 V2 35.216
 RC 106.849 GL -11.19 GP -21.36 ZAL 48.84 ZAP 134.09 ETS 339.46 ZAE 131.61 ETE 198.86 ZAC 129.87 ETC 2.70 CLP-138.33

PLANETOCENTRIC CONIC

C3 11.773 VML 3.431 DLA -7.89 RAL 170.06 RAD 6567.4 VEL 11.540 PTH 2.01 VMP 4.307 CPA -2.18 RAP 135.18 ECC 1.1938
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 59 44 1848.20 -9.33 19.48 22.71 116.86 9 30 32 1248.2 -5.65 12.73
 90.00 18 58 49 4986.58 22.45 218.71 25.24 72.28 20 21 56 4386.6 19.82 211.03
 100.00 10 17 16 1598.05 -10.20 .62 22.25 118.25 10 43 54 998.1 -6.34 353.96
 100.00 20 23 58 4711.95 23.39 198.17 24.90 70.83 21 42 30 4112.0 20.56 190.52
 110.00 11 16 50 1411.57 -12.50 345.11 20.89 122.08 11 40 21 811.6 -8.17 358.68
 110.00 21 40 54 4471.20 25.87 178.84 23.84 66.83 22 55 25 3871.2 22.51 171.29

DIFFERENTIAL CORRECTIONS

TDE-1.4075 TRA 2.2889 TC3-4.0967 BAU .6604
 RDE -.2363 RRA .7068 RC3 -.9077 FAU .08290
 FDE-3.1438 FRA 4.7090 FC3-6.0962 BSP 17231
 BDE 1.4272 BRA 2.3955 BC3 4.1960 FSP -3073

MID-COURSE EXECUTION ACCURACY

SGT 5321.3 SGR 1401.2 SG3 898.2
 RRT .9758 RRF .9704 RTF .9893
 SGB 5502.7 R23 .0090 R13 .9896
 SGI 5494.7 SG2 296.5 TMA 14.45

ORBIT DETERMINATION ACCURACY

ST 2621.3 SR 532.7 SS 2145.8
 CRT .9615 CRS -.9522 CST -.9994
 LSA 3425.4 MSA 160.4 SSA 14.9
 EL1 2671.0 EL2 143.7 ALF 11.09

LAUNCH DATE MAY 3 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 534.838

RL 150.80 LAL .00 LOL 221.89 VL 27.174 GAL 5.89 AZL 91.57 MCA 237.40 SMA 129.89 ECC .19019 INC 1.5687 V1 29.547
 RP 107.59 LAP 1.32 LOP 99.27 VP 38.019 GAP 4.76 AZP 89.15 TAL 153.22 TAP 30.62 RCA 105.19 APO 154.60 V2 35.223
 RC 109.101 GL -12.10 GP -19.73 ZAL 48.13 ZAP 137.20 ETS 338.89 ZAE 130.43 ETE 196.70 ZAC 129.49 ETC 4.13 CLP-141.22

PLANETOCENTRIC CONIC

C3 12.468 VML 3.531 DLA -9.09 RAL 170.52 RAD 6567.5 VEL 11.570 PTH 2.02 VMP 4.468 CPA -.70 RAP 135.94 ECC 1.2052
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 10 57 1821.87 -8.51 17.97 23.91 117.11 9 41 19 1221.9 -4.81 11.25
 90.00 18 51 15 5037.13 23.46 222.07 26.91 73.67 20 15 12 4437.1 21.00 214.26
 100.00 10 27 52 1573.76 -9.41 359.25 23.43 118.50 10 54 5 973.8 -5.53 352.61
 100.00 20 17 2 4760.47 24.43 201.40 26.59 72.22 21 36 22 4160.5 21.77 193.61
 110.00 11 26 0 1391.72 -11.78 344.02 22.02 122.32 11 49 12 791.7 -7.43 337.63
 110.00 21 35 23 4515.28 27.02 181.75 25.56 68.21 22 50 38 3915.3 23.82 174.05

DIFFERENTIAL CORRECTIONS

TDE-1.5482 TRA 2.4521 TC3-4.0051 BAU .6798
 RDE -.1980 RRA .6598 RC3 -.7706 FAU .07576
 FDE-3.0858 FRA 4.5365 FC3-5.2604 BSP 17750
 BDE 1.5608 BRA 2.5393 BC3 4.0786 FSP -2869

MID-COURSE EXECUTION ACCURACY

SGT 5527.0 SGR 1255.0 SG3 839.7
 RRT .9682 RRF .9604 RTF .9891
 SGB 5667.7 R23 -.0005 R13 .9891
 SGI 5659.4 SG2 306.8 TMA 12.44

ORBIT DETERMINATION ACCURACY

ST 2789.2 SR 457.5 SS 2117.6
 CRT .9418 CRS -.9317 CST -.9995
 LSA 3527.9 MSA 164.5 SSA 14.9
 EL1 2822.4 EL2 152.0 ALF 8.81

LAUNCH DATE MAY 3 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 540.939

RL 150.80 LAL .00 LOL 221.89 VL 27.158 GAL 6.12 AZL 91.72 HCA 240.64 SMA 129.74 ECC .19313 INC 1.7167 V1 29.547
 RP 107.57 LAP 1.50 LOP 102.51 VP 38.014 GAP 5.21 AZP 89.16 TAL 152.60 TAP 33.23 RCA 104.72 APO 154.85 V2 35.230
 RC 111.351 GL -12.85 GP -18.28 ZAL 47.39 ZAP 140.10 ETS 338.36 ZAE 129.31 ETE 194.91 ZAC 128.88 ETC 5.43 CLP-143.90

PLANETOCENTRIC CONIC

C3 13.238 VHL 3.638 DLA -10.14 RAL 171.06 RAD 6567.5 VEL 11.603 PTH 2.03 VHP 4.645 OPA .55 RAP 136.84 ECC 1.2179
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 21 35 1800.38 -7.84 16.75 25.26 117.30 9 51 35 1200.4 -4.12 10.04
 90.00 18 44 58 5084.39 24.33 225.26 28.73 75.05 20 9 42 4484.4 22.04 217.34
 100.00 10 37 54 1554.15 -8.77 358.14 24.76 118.69 11 3 48 954.1 -4.88 351.52
 100.00 20 11 20 4805.85 25.34 204.46 28.41 73.59 21 31 25 4205.9 22.85 196.55
 110.00 11 34 44 1376.15 -11.27 343.17 23.30 122.51 11 57 41 776.2 -6.84 336.80
 110.00 21 30 59 4556.61 28.03 184.54 27.41 69.58 22 46 55 3956.6 24.99 176.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.6913 TRA 2.6157 TC3-3.8987 BAU .6998 SGT 5714.1 SGR 1128.8 SG3 783.0 ST 2945.6 SR 391.6 SS 2085.3
 ROE -.1620 RRA .6186 RC3 -.6590 FAU .06926 RRT .9982 RRF .9478 RTF .9888 CRT .9129 CRS -.9019 CST -.9996
 FDE-3.0197 FRA 4.3605 FC3-4.5296 BSP 18330 SGB 5824.6 R23 -.0089 R13 .9887 LSA 3626.3 MSA 168.2 SSA 14.8
 BDE 1.6991 BRA 2.6878 BC3 3.9540 FSP -2687 SGI 5815.9 SG2 317.4 TMA 10.75 EL1 2967.3 EL2 158.7 ALF 6.94

LAUNCH DATE MAY 3 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 547.011

RL 150.80 LAL .00 LOL 221.89 VL 27.141 GAL 6.37 AZL 91.86 HCA 243.88 SMA 129.67 ECC .19635 INC 1.8557 V1 29.547
 RP 107.55 LAP 1.67 LOP 105.75 VP 38.007 GAP 5.66 AZP 89.18 TAL 151.95 TAP 35.83 RCA 104.21 APO 155.13 V2 35.236
 RC 113.598 GL -13.46 GP -16.99 ZAL 46.61 ZAP 142.80 ETS 337.85 ZAE 128.25 ETE 193.42 ZAC 128.08 ETC 6.58 CLP-146.40

PLANETOCENTRIC CONIC

C3 14.092 VHL 3.754 DLA -11.07 RAL 171.68 RAD 6567.6 VEL 11.639 PTH 2.04 VHP 4.835 OPA 1.59 RAP 137.88 ECC 1.2319
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 31 40 1783.20 -7.31 15.77 26.74 117.43 10 1 23 1183.2 -3.57 9.08
 90.00 18 39 48 5128.85 25.08 228.31 30.66 76.40 20 5 17 4528.9 22.96 220.28
 100.00 10 47 27 1538.70 -8.27 357.28 26.22 118.83 11 13 6 938.7 -4.36 350.67
 100.00 20 6 42 4848.59 26.13 207.39 30.36 74.94 21 27 31 4248.6 23.81 199.36
 110.00 11 43 7 1364.42 -10.78 342.54 24.71 122.64 12 5 51 764.4 -6.40 336.18
 110.00 21 27 32 4595.64 28.93 187.22 29.40 70.94 22 44 8 3995.6 26.05 179.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.8333 TRA 2.7854 TC3-3.7674 BAU .7177 SGT 5881.9 SGR 1019.9 SG3 728.7 ST 3086.4 SR 334.3 SS 2046.2
 ROE -.1269 RRA .5834 RC3 -.5644 FAU .06297 RRT .9453 RRF .9321 RTF .9884 CRT .8692 CRS -.8570 CST -.9997
 FDE-2.9412 FRA 4.1935 FC3-3.8689 BSP 18859 SGB 5969.7 R23 -.0158 R13 .9883 LSA 3714.1 MSA 172.0 SSA 14.7
 BDE 1.8377 BRA 2.8459 BC3 3.8094 FSP -2508 SGI 5960.6 SG2 328.3 TMA 9.34 EL1 3100.1 EL2 164.6 ALF 5.39

LAUNCH DATE MAY 3 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 553.053

RL 150.80 LAL .00 LOL 221.89 VL 27.123 GAL 6.64 AZL 91.99 HCA 247.12 SMA 129.54 ECC .19984 INC 1.9871 V1 29.547
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.999 GAP 6.13 AZP 89.23 TAL 151.28 TAP 38.40 RCA 103.66 APO 155.43 V2 35.241
 RC 115.842 GL -13.94 GP -15.84 ZAL 45.80 ZAP 145.32 ETS 337.32 ZAE 127.25 ETE 192.17 ZAC 127.10 ETC 7.60 CLP-148.74

PLANETOCENTRIC CONIC

C3 15.037 VHL 3.878 DLA -11.90 RAL 172.36 RAD 6567.6 VEL 11.680 PTH 2.05 VHP 5.039 OPA 2.45 RAP 139.04 ECC 1.2475
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 41 17 1769.95 -6.89 15.02 28.34 117.53 10 10 47 1170.0 -3.15 8.34
 90.00 18 35 38 5170.94 25.72 231.22 32.71 77.72 20 1 49 4570.9 23.77 223.09
 100.00 10 56 34 1527.04 -7.88 316.62 27.81 118.93 11 22 1 927.0 -3.96 350.03
 100.00 20 3 2 4889.08 26.82 210.21 32.43 76.27 21 24 31 4289.1 24.66 202.07
 110.00 11 51 8 1356.16 -10.48 342.09 26.24 122.73 12 13 44 756.2 -6.09 335.75
 110.00 21 24 57 4632.73 29.72 189.81 31.50 72.29 22 42 10 4032.7 27.02 181.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.9745 TRA 2.9620 TC3-3.6191 BAU .7340 SGT 6032.7 SGR 926.2 SG3 677.2 ST 3212.3 SR 286.0 SS 2001.9
 ROE -.0930 RRA .5531 RC3 -.4847 FAU .05706 RRT .9292 RRF .9131 RTF .9880 CRT .8032 CRS -.7897 CST -.9997
 FDE-2.8546 FRA 4.0370 FC3-3.2854 BSP 19357 SGB 6103.4 R23 -.0213 R13 .9879 LSA 3791.7 MSA 175.6 SSA 14.7
 BDE 1.9767 BRA 3.0132 BC3 3.6515 FSP -2339 SGI 6094.0 SG2 339.0 TMA 8.14 EL1 3220.5 EL2 169.9 ALF 4.10

LAUNCH DATE MAY 3 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 559.061

RL 150.80 LAL .00 LOL 221.89 VL 27.105 GAL 6.93 AZL 92.11 HCA 250.36 SMA 129.42 ECC .20362 INC 2.1124 V1 29.547
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.990 GAP 6.60 AZP 89.29 TAL 150.59 TAP 40.95 RCA 103.06 APO 155.77 V2 35.246
 RC 118.080 GL -14.32 GP -14.81 ZAL 44.97 ZAP 147.67 ETS 336.76 ZAE 126.33 ETE 191.12 ZAC 125.98 ETC 8.48 CLP-150.93

PLANETOCENTRIC CONIC

C3 16.084 VHL 4.010 DLA -12.63 RAL 173.10 RAD 6567.6 VEL 11.725 PTH 2.07 VHP 5.256 OPA 3.15 RAP 140.30 ECC 1.2647
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 50 26 1760.30 -6.59 14.47 30.05 117.60 10 19 47 1160.3 -2.84 7.80
 90.00 18 32 21 5210.98 26.27 234.02 34.86 79.03 19 59 12 4611.0 24.49 225.81
 100.00 11 5 16 1518.87 -7.61 356.17 29.50 118.99 11 30 35 918.9 -3.69 349.58
 100.00 20 0 12 4927.65 27.41 212.92 34.59 77.58 21 22 20 4327.6 25.42 204.68
 110.00 11 58 50 1351.10 -10.29 341.82 27.88 122.78 12 21 21 751.1 -5.90 335.48
 110.00 21 23 8 4668.18 30.43 192.33 33.71 73.62 22 40 56 4068.2 27.89 184.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.1154 TRA 3.1466 TC3-3.4559 BAU .7485 SGT 6167.8 SGR 845.3 SG3 629.0 ST 3324.3 SR 247.1 SS 1954.3
 ROE -.0600 RRA .5270 RC3 -.4169 FAU .05149 RRT .9093 RRF .8902 RTF .9876 CRT .7060 CRS -.6913 CST -.9997
 FDE-2.7638 FRA 3.8920 FC3-2.7714 BSP 19809 SGB 6225.4 R23 -.0256 R13 .9875 LSA 3859.9 MSA 179.1 SSA 14.6
 BDE 2.1163 BRA 3.1904 BC3 3.4810 FSP -2177 SGI 6215.7 SG2 349.1 TMA 7.13 EL1 3328.9 EL2 174.7 ALF 3.01

LAUNCH DATE MAY 3 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 565.034

RL 150.80 LAL .00 LOL 221.89 VL 27.086 GAL 7.24 AZL 92.23 MCA 253.61 SMA 129.29 ECC .20772 INC 2.232H V1 29.547
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.980 GAP 7.08 AZP 89.37 TAL 149.87 TAP 43.48 RCA 102.43 APO 156.14 V2 35.250
 RC 120.312 GL -14.60 GP -13.90 ZAL 44.12 ZAP 149.87 ETS 336.15 ZAE 125.47 ETE 190.23 ZAC 124.73 ETC 9.24 CLP-153.00

PLANETOCENTRIC CONIC

C3 17.246 VHL 4.153 OLA -13.28 RAL 173.88 RAD 6567.7 VEL 11.774 PTH 2.0H VMP 5.486 CPA 3.69 RAP 141.66 ECC 1.283H
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 59 10 1754.01 -6.39 14.12 31.86 117.65 10 28 24 1154.0 -2.64 7.45
 90.00 18 29 52 5249.26 26.74 236.73 37.10 80.30 19 57 21 4649.3 25.12 228.43
 100.00 11 13 35 1513.93 -7.45 355.89 31.28 119.03 11 38 49 913.9 -3.52 349.30
 100.00 19 58 8 4964.57 27.92 215.54 36.85 78.87 21 20 53 4364.6 26.10 207.21
 110.00 12 6 14 1349.00 -10.21 341.70 29.61 122.80 12 28 43 749.0 -5.82 335.37
 110.00 21 21 58 4702.26 31.06 194.79 36.01 74.95 22 40 21 4102.3 28.68 186.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.2539 TRA 3.3438 TC3-3.2747 BAU .7595
 RDE -.0276 RRA .5048 RC3 -.3580 FAU .04607
 FDE-2.6675 FRA 3.7632 FC3-2.3130 BSP 20155
 BDE 2.2541 BRA 3.3817 BC3 3.2942 FSP -2017

SGT 6287.9 SGR 775.8 SG3 584.1
 RRT .8854 RRF .8635 RTF .9871
 SGB 6335.6 R23 -.0286 R13 .9870
 SGI 6325.4 SG2 358.5 TMA 6.25

ST 3420.4 SR 218.2 SS 1902.5
 CRT .5686 CRS -.5528 CST -.999H
 LSA 3915.7 MSA 182.7 SSA 14.5
 EL1 3422.7 EL2 179.4 ALF 2.0H

LAUNCH DATE MAY 3 1967

FLIGHT TIME 208.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 570.969

RL 150.80 LAL .00 LOL 221.89 VL 27.066 GAL 7.58 AZL 92.35 MCA 256.85 SMA 129.15 ECC .21214 INC 2.3493 V1 29.547
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.969 GAP 7.57 AZP 89.47 TAL 149.14 TAP 45.99 RCA 101.75 APO 156.55 V2 35.253
 RC 122.538 GL -14.80 GP -13.08 ZAL 43.25 ZAP 151.94 ETS 335.48 ZAE 124.68 ETE 189.47 ZAC 123.37 ETC 9.89 CLP-154.96

PLANETOCENTRIC CONIC

C3 18.535 VHL 4.305 OLA -13.86 RAL 174.70 RAD 6567.8 VEL 11.829 PTH 2.09 VMP 5.729 CPA 4.10 RAP 143.11 ECC 1.3050
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 7 29 1750.86 -6.29 13.94 33.75 117.67 10 36 40 1150.9 -2.53 7.27
 90.00 18 28 5 5286.00 27.13 239.35 39.42 81.56 19 56 11 4686.0 25.68 230.98
 100.00 11 21 31 1512.02 -7.39 355.78 33.16 119.05 11 46 43 912.0 -3.46 349.20
 100.00 19 56 45 5000.06 28.36 218.09 39.20 80.15 21 20 5 4400.1 26.71 209.68
 110.00 12 13 20 1349.69 -10.24 341.74 31.43 122.79 12 35 50 749.7 -5.85 335.41
 110.00 21 21 25 4735.16 31.62 197.19 38.41 76.27 22 40 20 4135.2 29.41 188.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3968 TRA 3.5469 TC3-3.0952 BAU .7708
 RDE .0034 RRA .4846 RC3 -.3090 FAU .04131
 FDE-2.5779 FRA 3.6403 FC3-1.9296 BSP 20555
 BDE 2.3969 BRA 3.5798 BC3 3.1105 FSP -1879

SGT 6396.5 SGR 715.6 SG3 542.5
 RRT .8574 RRF .8326 RTF .9867
 SGB 6436.4 R23 -.0313 R13 .9865
 SGI 6425.9 SG2 366.6 TMA 5.50

ST 3508.3 SR 199.5 SS 1852.9
 CRT .3958 CRS -.3794 CST -.999H
 LSA 3968.2 MSA 185.8 SSA 14.4
 EL1 3509.2 EL2 183.2 ALF 1.29

LAUNCH DATE MAY 3 1967

FLIGHT TIME 210.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 576.861

RL 150.80 LAL .00 LOL 221.89 VL 27.045 GAL 7.94 AZL 92.46 MCA 260.10 SMA 129.01 ECC .21693 INC 2.4627 V1 29.547
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.957 GAP 8.08 AZP 89.58 TAL 148.39 TAP 48.49 RCA 101.02 APO 157.00 V2 35.256
 RC 124.755 GL -14.93 GP -12.34 ZAL 42.36 ZAP 153.89 ETS 334.72 ZAE 123.94 ETE 188.82 ZAC 121.91 ETC 10.45 CLP-156.81

PLANETOCENTRIC CONIC

C3 19.970 VHL 4.469 OLA -14.37 RAL 175.55 RAD 6567.8 VEL 11.889 PTH 2.11 VMP 5.985 CPA 4.38 RAP 144.63 ECC 1.3287
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 15 24 1750.69 -6.28 13.93 35.73 117.67 10 44 34 1150.7 -2.53 7.26
 90.00 18 26 57 5321.40 27.46 241.88 41.83 82.79 19 55 39 4721.4 26.17 233.45
 100.00 11 29 4 1512.99 -7.42 355.84 35.11 119.04 11 54-17 913.0 -3.49 349.25
 100.00 19 55 58 5034.33 28.74 220.57 41.62 81.40 21 19 53 4434.3 27.25 212.08
 110.00 12 20 8 1353.01 -10.36 341.92 33.33 122.76 12 42 41 753.0 -5.97 335.58
 110.00 21 21 23 4767.07 32.11 199.55 40.90 77.59 22-40 50 4167.1 30.07 190.93

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5405 TRA 3.7619 TC3-2.9085 BAU .7798
 RDE .0338 RRA .4667 RC3 -.2664 FAU .03685
 FDE-2.4892 FRA 3.5294 FC3-1.5975 BSP 20910
 BDE 2.5407 BRA 3.7908 BC3 2.9207 FSP -1750

SGT 6492.9 SGR 663.4 SG3 504.1
 RRT .8249 RRF .7975 RTF .9863
 SGB 6526.7 R23 -.0333 R13 .9861
 SGI 6516.0 SG2 373.6 TMA 4.83

ST 3594.3 SR 190.4 SS 1802.6
 CRT .1996 CRS -.1834 CST -.999H
 LSA 4012.1 MSA 188.6 SSA 14.2
 EL1 3584.5 EL2 186.6 ALF .61

LAUNCH DATE MAY 3 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 582.706

RL 150.80 LAL .00 LOL 221.89 VL 27.024 GAL 8.33 AZL 92.57 MCA 263.34 SMA 128.87 ECC .22209 INC 2.5740 V1 29.547
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.944 GAP 8.61 AZP 89.70 TAL 147.63 TAP 50.97 RCA 100.25 APO 157.49 V2 35.258
 RC 126.964 GL -14.99 GP -11.69 ZAL 41.47 ZAP 155.73 ETS 333.85 ZAE 123.27 ETE 188.25 ZAC 120.38 ETC 10.92 CLP-158.58

PLANETOCENTRIC CONIC

C3 21.569 VHL 4.644 OLA -14.81 RAL 176.43 RAD 6567.9 VEL 11.956 PTH 2.13 VMP 6.256 CPA 4.56 RAP 146.21 ECC 1.3550
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 22 55 1753.36 -6.37 14.08 37.77 117.65 10 52 8 1153.4 -2.61 7.41
 90.00 18 26 25 5355.64 27.73 244.35 44.30 84.00 19 55 40 4755.6 26.61 235.87
 100.00 11 36 16 1516.70 -7.54 356.04 37.13 119.01 12 1 32 916.7 -3.62 349.46
 100.00 19 55 45 5067.54 29.05 222.99 44.13 82.63 21 20 12 4467.5 27.73 214.43
 110.00 12 26 39 1358.84 -10.58 342.24 35.30 122.70 12 49 18 758.8 -6.19 335.89
 110.00 21 21 50 4798.16 32.54 201.87 43.47 78.90 22 41 49 4198.2 30.67 193.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6869 TRA 3.9890 TC3-2.7197 BAU .7870
 RDE .0636 RRA .4503 RC3 -.2297 FAU .03274
 FDE-2.4045 FRA 3.4290 FC3-1.3142 BSP 21247
 BDE 2.6876 BRA 4.0144 BC3 2.7294 FSP -1631

SGT 6578.9 SGR 618.0 SG3 468.8
 RRT .7881 RRF .7582 RTF .9859
 SGB 6607.8 R23 -.0347 R13 .9858
 SGI 6596.9 SG2 379.4 TMA 4.25

ST 3650.4 SR 189.5 SS 1753.4
 CRT .0053 CRS -.0102 CST -.999H
 LSA 4049.6 MSA 191.1 SSA 14.4
 EL1 3650.4 EL2 189.5 ALF .02

LAUNCH DATE MAY 3 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 588.501

RL 150.80 LAL .00 LOL 221.89 VL 27.003 GAL 8.74 AZL 92.68 MCA 266.59 SMA 128.72 ECC .22768 INC 2.6837 VI 29.547
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.929 GAP 9.15 AZP 89.84 TAL 146.86 TAP 53.45 RCA 99.42 APO 158.03 V2 35.259
 RC 129.165 GL -14.99 GP -11.09 ZAL 40.57 ZAP 157.47 ETS 332.86 ZAE 122.64 ETE 187.76 ZAC 118.77 ETC 11.32 CLP-160.27

PLANETOCENTRIC CONIC

C3 23.355 VML 4.833 DLA -15.20 RAL 177.32 RAD 6567.9 VEL 12.031 PTM 2.15 VMP 6.541 DPA 4.64 RAP 147.86 ECC 1.3844
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 30 1 1758.76 -6.54 14.39 39.88 117.61 10 59 20 1158.8 -2.79 7.71
 90.00 18 26 24 5388.84 27.94 246.76 46.84 85.19 19 56 13 4788.8 26.98 238.23
 100.00 11 43 5 1523.02 -7.75 356.40 39.23 118.96 12 8 28 923.0 -3.83 349.81
 100.00 19 56 2 5099.81 29.31 225.35 46.69 83.85 21 21 1 4499.8 28.15 216.74
 110.00 12 32 53 1367.06 -10.88 342.68 37.34 122.61 12 55 40 767.1 -6.50 336.32
 110.00 21 22 44 4828.54 32.91 204.16 46.11 80.21 22 43 12 4228.5 31.21 195.35

DIFFERENTIAL CORRECTIONS

TDE-2.8351 TRA 4.2302 TC3-2.5281 BAU .7918
 RDE .0932 RRA .4351 RC3 -.1975 FAU .02889
 FDE-2.3227 FRA 5.3393 FC3-1.0711 BSP 21531
 BDE 2.8366 BRA 4.2526 BC3 2.5358 FSP -1519

MID-COURSE EXECUTION ACCURACY

SGT 6654.3 SGR 578.3 SG3 436.2
 RRT .7467 RRF .7148 RTF .9855
 SGB 6679.4 R23 -.0355 R13 .9854
 SGI 6668.4 SG2 383.8 TMA 3.73

ORBIT DETERMINATION ACCURACY

ST 3706.0 SR 194.8 SS 1704.7
 CRT -.1673 CRS .1814 CST -.9999
 LSA 4079.3 MSA 193.3 SSA 13.9
 EL1 3706.2 EL2 192.1 ALF 179.49

LAUNCH DATE MAY 3 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 594.239

RL 150.80 LAL .00 LOL 221.89 VL 26.981 GAL 9.19 AZL 92.79 MCA 269.83 SMA 128.58 ECC .23371 INC 2.7928 VI 29.547
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.914 GAP 9.71 AZP 89.99 TAL 146.08 TAP 55.92 RCA 98.53 APO 158.63 V2 35.259
 RC 131.355 GL -14.94 GP -10.56 ZAL 39.67 ZAP 159.13 ETS 331.71 ZAE 122.05 ETE 187.33 ZAC 117.10 ETC 11.66 CLP-161.89

PLANETOCENTRIC CONIC

C3 25.354 VML 5.035 DLA -15.54 RAL 178.22 RAD 6568.0 VEL 12.113 PTM 2.17 VMP 6.842 DPA 4.62 RAP 149.55 ECC 1.4173
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 36 45 1766.78 -6.79 14.84 42.06 117.56 11 6 11 1166.8 -3.05 8.16
 90.00 18 26 53 5421.13 28.10 249.11 49.45 86.36 19 57 14 4821.1 27.30 240.53
 100.00 11 49 33 1531.87 -8.04 356.89 41.38 118.89 12 15 5 931.9 -4.13 350.29
 100.00 19 56 46 5131.28 29.52 227.67 49.33 85.06 21 22 17 4531.3 28.52 219.01
 110.00 12 38 48 1377.58 -11.26 343.25 39.44 122.49 13 1 46 777.6 -6.90 336.88
 110.00 21 24 0 4858.33 33.24 206.43 48.81 81.51 22 44 58 4258.3 31.71 197.53

DIFFERENTIAL CORRECTIONS

TDE-2.9838 TRA 4.4890 TC3-2.3329 BAU .7928
 RDE .1228 RRA .4209 RC3 -.1690 FAU .02522
 FDE-2.2423 FRA 5.2615 FC3 -.8610 BSP 21734
 BDE 2.9864 BRA 4.5087 BC3 2.3391 FSP -1412

MID-COURSE EXECUTION ACCURACY

SGT 6719.9 SGR 543.7 SG3 406.2
 RRT .7010 RRF .6675 RTF .9852
 SGB 6741.8 R23 -.0357 R13 .9851
 SGI 6730.7 SG2 387.1 TMA 3.26

ORBIT DETERMINATION ACCURACY

ST 3750.0 SR 204.4 SS 1655.9
 CRT -.3089 CRS .3213 CST -.9999
 LSA 4099.8 MSA 195.3 SSA 13.7
 EL1 3750.6 EL2 194.4 ALF 179.03

LAUNCH DATE MAY 3 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 599.913

RL 150.80 LAL .00 LOL 221.89 VL 26.959 GAL 9.67 AZL 92.90 MCA 273.08 SMA 128.43 ECC .24024 INC 2.9018 VI 29.547
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.898 GAP 10.30 AZP 90.16 TAL 145.30 TAP 58.38 RCA 97.57 APO 159.28 V2 35.259
 RC 133.537 GL -14.84 GP -10.07 ZAL 38.78 ZAP 160.70 ETS 330.38 ZAE 121.50 ETE 186.95 ZAC 115.38 ETC 11.94 CLP-163.46

PLANETOCENTRIC CONIC

C3 27.597 VML 5.253 DLA -15.83 RAL 179.13 RAD 6568.1 VEL 12.205 PTM 2.19 VMP 7.161 DPA 4.52 RAP 151.27 ECC 1.4542
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 43 4 1777.34 -7.12 15.44 44.28 117.48 11 12 41 1177.3 -3.39 8.75
 90.00 18 27 48 5452.61 28.22 251.40 52.11 87.50 19 58 41 4852.6 27.57 242.80
 100.00 11 55 39 1543.15 -8.41 357.53 43.58 118.79 12 21 22 943.1 -4.51 350.92
 100.00 19 57 54 5162.04 29.68 229.94 52.01 86.24 21 23 56 4562.0 28.84 221.24
 110.00 12 44 26 1390.32 -11.73 343.95 41.60 122.34 13 7 36 790.3 -7.38 337.55
 110.00 21 25 37 4887.63 33.51 208.67 51.58 82.81 22 47 4 4287.6 32.15 199.70

DIFFERENTIAL CORRECTIONS

TDE-3.1403 TRA 4.7602 TC3-2.1449 BAU .7932
 RDE .1520 RRA .4066 RC3 -.1445 FAU .02194
 FDE-2.1702 FRA 5.1898 FC3 -.6883 BSP 21988
 BDE 3.1439 BRA 4.7775 BC3 2.1498 FSP -1318

MID-COURSE EXECUTION ACCURACY

SGT 6777.2 SGR 512.9 SG3 378.6
 RRT .6508 RRF .6160 RTF .9849
 SGB 6796.5 R23 -.0357 R13 .9849
 SGI 6785.4 SG2 388.9 TMA 2.83

ORBIT DETERMINATION ACCURACY

ST 3748.9 SR 215.9 SS 1611.0
 CRT -.4199 CRS .4308 CST -.9999
 LSA 4118.1 MSA 196.6 SSA 13.5
 EL1 3750.0 EL2 195.9 ALF 178.63

LAUNCH DATE MAY 3 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 605.515

RL 150.80 LAL .00 LOL 221.89 VL 26.936 GAL 10.19 AZL 93.01 MCA 276.33 SMA 128.28 ECC .24730 INC 3.0115 VI 29.547
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.881 GAP 10.91 AZP 90.33 TAL 144.52 TAP 60.84 RCA 96.55 APO 160.00 V2 35.257
 RC 135.709 GL -14.70 GP -9.64 ZAL 37.89 ZAP 162.20 ETS 328.83 ZAE 120.99 ETE 186.61 ZAC 113.62 ETC 12.18 CLP-164.97

PLANETOCENTRIC CONIC

C3 30.122 VML 5.488 DLA -16.07 RAL 180.03 RAD 6568.2 VEL 12.308 PTM 2.22 VMP 7.499 DPA 4.35 RAP 153.04 ECC 1.4957
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 48 58 1790.35 -7.53 16.18 46.56 117.38 11 18 49 1190.3 -3.80 9.48
 90.00 18 29 8 5483.35 28.29 253.65 54.81 88.63 20 0 31 4883.4 27.80 245.02
 100.00 12 1 22 1556.78 -8.86 358.29 45.84 118.67 12 27 19 956.8 -4.96 351.67
 100.00 19 59 26 5192.16 29.79 232.17 54.75 87.41 21 25 58 4592.2 29.11 223.43
 110.00 12 49 45 1405.20 -12.27 344.76 43.81 122.16 13 13 10 805.2 -7.93 338.35
 110.00 21 27 32 4916.50 33.73 210.89 54.41 84.11 22 49 28 4316.5 32.55 201.86

DIFFERENTIAL CORRECTIONS

TDE-3.3013 TRA 5.0493 TC3-1.9592 BAU .7905
 RDE .1813 RRA .3924 RC3 -.1229 FAU .01887
 FDE-2.1024 FRA 5.1269 FC3 -.5424 BSP 22211
 BDE 3.3062 BRA 5.0645 BC3 1.9631 FSP -1232

MID-COURSE EXECUTION ACCURACY

SGT 6826.0 SGR 485.5 SG3 353.2
 RRT .5963 RRF .5607 RTF .9848
 SGB 6843.3 R23 -.0353 R13 .9847
 SGI 6832.2 SG2 389.4 TMA 2.44

ORBIT DETERMINATION ACCURACY

ST 3819.7 SR 228.5 SS 1567.8
 CRT -.5061 CRS .5156 CST -.9999
 LSA 4130.5 MSA 197.4 SSA 13.3
 EL1 3821.4 EL2 197.0 ALF 178.26

LAUNCH DATE MAY 4 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 13 1967

HELIOCENTRIC CONIC

DISTANCE 129.935

RL 150.84 LAL .00 LOL 222.86 VL 15.793 GAL 24.72 AZL 90.36 MCA 37.20 SMA 87.87 ECC .77363 INC .3591 V1 29.539
 RP 108.67 LAP -.22 LOP 260.05 VP 30.533 GAP -49.29 AZP 90.29 TAL 172.00 TAP 209.20 RCA 19.89 APO 155.86 V2 34.872
 RC 79.241 GL -.31 GP 2.22 ZAL 67.88 ZAP 32.79 ETS 186.20 ZAE 139.37 ETE 174.59 ZAC 148.27 ETC 34.78 CLP 32.72

PLANETOCENTRIC CONIC

C3 268.901 VML 16.39H CLA 9.39 RAL 156.70 RAD 6571.6 VEL 19.754 PTH 3.12 VMP 27.751 CPA 25.72 RAP 115.20 ECC 5.4254
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 51 42 3070.79 -27.50 101.55 63.75 82.98 6 42 53 2470.8 -28.19 92.95
 90.00 20 12 24 5123.48 24.99 227.94 54.47 76.23 21 37 47 4523.5 22.85 219.92
 100.00 7 17 39 2793.59 -29.15 81.39 63.97 83.07 8 4 12 2193.6 -29.80 72.65
 100.00 21 29 8 4875.92 26.60 209.29 54.02 75.84 22 50 24 4275.9 24.39 201.19
 110.00 8 36 22 2547.22 -33.60 63.31 64.60 83.29 9 18 50 1947.2 -34.16 54.11
 110.00 22 26 54 4695.05 30.93 194.26 52.72 74.67 23 45 9 4095.0 28.52 185.90

DIFFERENTIAL CORRECTIONS

TDE .7497 TRA-1.9262 TC3 -.1081 BAU .3896
 RDE-1.1679 RRA -.5916 RC3 .0078 FAU .01228
 FDE -.3139 FRA .6743 FC3 -.0395 BSP 1862
 BDE 1.3879 BRA 2.0190 BC3 .1084 FSP -50

MID-COURSE EXECUTION ACCURACY

SGT 812.2 SGR 459.4 SG3 25.3
 RRT .0722 RRF -.0638 RTF -.6121
 SGB 933.1 R23 .0009 R13 -.6124
 SGI 813.2 SG2 457.7 TMA 3.42

ORBIT DETERMINATION ACCURACY

ST 332.6 SR 412.9 SS 314.2
 CRT -.6848 CRS -.7438 CST .9945
 LSA 570.7 MSA 232.3 SSA 14.0
 EL1 489.1 EL2 204.6 ALF 126.17

LAUNCH DATE MAY 4 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 15 1967

HELIOCENTRIC CONIC

DISTANCE 135.495

RL 150.84 LAL .00 LOL 222.86 VL 16.570 GAL 23.63 AZL 90.62 MCA 40.37 SMA 89.36 ECC .74694 INC .6247 V1 29.539
 RP 108.70 LAP -.40 LOP 263.22 VP 30.930 GAP -47.08 AZP 90.48 TAL 171.17 TAP 211.54 RCA 22.61 APO 156.11 V2 34.862
 RC 76.944 GL -.61 GP 2.28 ZAL 66.60 ZAP 31.28 ETS 186.44 ZAE 139.58 ETE 173.96 ZAC 146.83 ETC 33.37 CLP 31.20

PLANETOCENTRIC CONIC

C3 244.755 VML 15.645 CLA 8.65 RAL 157.80 RAD 6571.4 VEL 19.133 PTH 3.09 VMP 26.706 CPA 25.56 RAP 117.03 ECC 5.0280
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 1 58 3034.29 -27.78 98.92 63.53 84.28 6 52 32 2434.3 -28.28 90.29
 90.00 20 10 54 5135.00 25.17 228.73 54.93 76.59 21 36 29 4535.0 23.08 220.69
 100.00 7 27 31 2758.37 -29.41 78.81 63.71 84.41 8 13 29 2158.4 -29.88 70.04
 100.00 21 28 2 4886.15 26.77 210.00 54.50 76.18 22 49 28 4286.2 24.60 201.87
 110.00 8 45 20 2914.81 -33.83 60.81 64.21 84.76 9 27 15 1914.8 -34.18 51.58
 110.00 22 26 41 4702.48 31.06 194.80 53.24 74.96 23 45 4 4102.5 28.69 186.41

DIFFERENTIAL CORRECTIONS

TDE .7493 TRA-1.9433 TC3 -.1162 BAU .3816
 RDE-1.1241 RRA -.5812 RC3 .0093 FAU .01234
 FDE -.3291 FRA .6992 FC3 -.0437 BSP 1832
 BDE 1.3509 BRA 2.0284 BC3 .1166 FSP -54

MID-COURSE EXECUTION ACCURACY

SGT 852.0 SGR 465.5 SG3 27.4
 RRT .0793 RRF -.0687 RTF -.6296
 SGB 970.8 R23 .0022 R13 -.6299
 SGI 853.1 SG2 463.4 TMA 3.52

ORBIT DETERMINATION ACCURACY

ST 349.4 SR 416.7 SS 331.0
 CRT -.6802 CRS -.7460 CST .9938
 LSA 589.8 MSA 239.3 SSA 14.3
 EL1 500.2 EL2 213.4 ALF 127.70

LAUNCH DATE MAY 4 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 17 1967

HELIOCENTRIC CONIC

DISTANCE 141.161

RL 150.84 LAL .00 LOL 222.86 VL 17.29H GAL 22.61 AZL 90.86 MCA 43.54 SMA 90.87 ECC .72035 INC .8571 V1 29.539
 RP 108.73 LAP -.59 LOP 266.39 VP 31.316 GAP -44.98 AZP 90.62 TAL 170.36 TAP 213.90 RCA 25.41 APO 156.33 V2 34.853
 RC 74.673 GL -.92 GP 2.35 ZAL 65.38 ZAP 29.79 ETS 186.72 ZAE 139.88 ETE 173.28 ZAC 145.34 ETC 32.07 CLP 29.71

PLANETOCENTRIC CONIC

C3 222.868 VML 14.929 CLA 7.91 RAL 158.83 RAD 6571.5 VEL 18.552 PTH 3.05 VMP 25.697 CPA 25.39 RAP 118.89 ECC 4.6678
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 11 55 2997.22 -28.00 96.23 63.18 85.61 7 1 52 2397.2 -28.32 87.58
 90.00 20 9 12 5145.67 25.34 229.47 55.29 76.92 21 34 57 4545.7 23.29 221.40
 100.00 7 37 4 2722.57 -29.62 76.17 63.32 85.79 8 22 27 2122.6 -29.89 67.37
 100.00 21 26 43 4895.56 26.92 210.66 54.87 76.49 22 48 19 4295.6 24.79 202.51
 110.00 8 54 1 2481.75 -34.00 58.24 63.68 86.27 9 35 23 1881.7 -34.15 49.00
 110.00 22 26 15 4709.14 31.18 195.29 53.64 75.22 23 44 45 4109.1 28.84 186.87

DIFFERENTIAL CORRECTIONS

TDE .7830 TRA-1.9258 TC3 -.1185 BAU .3546
 RDE-1.0797 RRA -.5691 RC3 .0112 FAU .01262
 FDE -.3490 FRA .7202 FC3 -.0490 BSP 2635
 BDE 1.3337 BRA 2.0082 BC3 .1190 FSP -67

MID-COURSE EXECUTION ACCURACY

SGT 878.8 SGR 470.6 SG3 29.6
 RRT .0683 RRF -.0677 RTF -.6538
 SGB 996.9 R23 -.0033 R13 -.6542
 SGI 879.6 SG2 469.0 TMA 2.93

ORBIT DETERMINATION ACCURACY

ST 374.9 SR 419.6 SS 350.8
 CRT -.6975 CRS -.7535 CST .9951
 LSA 617.6 MSA 241.0 SSA 14.3
 EL1 519.1 EL2 217.2 ALF 130.40

LAUNCH DATE MAY 4 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 19 1967

HELIOCENTRIC CONIC

DISTANCE 146.933

RL 150.84 LAL .00 LOL 222.86 VL 17.981 GAL 21.64 AZL 91.06 MCA 46.71 SMA 92.39 ECC .69403 INC 1.0639 V1 29.539
 RP 108.76 LAP -.77 LOP 269.56 VP 31.688 GAP -42.99 AZP 90.73 TAL 169.54 TAP 216.25 RCA 28.27 APO 156.52 V2 34.844
 RC 72.433 GL -1.25 GP 2.41 ZAL 64.20 ZAP 28.33 ETS 187.04 ZAE 140.26 ETE 172.54 ZAC 143.82 ETC 30.87 CLP 28.23

PLANETOCENTRIC CONIC

C3 203.041 VML 14.249 CLA 7.17 RAL 159.81 RAD 6571.1 VEL 18.010 PTH 3.01 VMP 24.725 CPA 25.20 RAP 120.75 ECC 4.3415
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 21 36 2959.52 -28.17 93.48 62.71 86.97 7 10 56 2359.5 -28.29 84.82
 90.00 20 7 18 5155.57 25.49 230.15 55.54 77.23 21 33 13 4555.6 23.48 222.06
 100.00 7 46 22 2686.10 -29.77 73.47 62.80 87.20 8 31 9 2086.1 -29.84 64.66
 100.00 21 25 13 4904.23 27.06 211.27 55.14 76.78 22 46 57 4304.2 24.97 203.09
 110.00 9 2 28 2447.99 -34.12 55.61 63.02 87.82 9 43 16 1848.0 -34.05 46.37
 110.00 22 25 37 4715.10 31.28 195.72 53.94 75.46 23 44 12 4115.1 28.97 187.28

DIFFERENTIAL CORRECTIONS

TDE .7799 TRA-1.9448 TC3 -.1270 BAU .3465
 RDE-1.0365 RRA -.5570 RC3 .0131 FAU .01270
 FDE -.3648 FRA .7460 FC3 -.0342 BSP 2571
 BDE 1.2972 BRA 2.0230 BC3 .1277 FSP -70

MID-COURSE EXECUTION ACCURACY

SGT 922.2 SGR 475.5 SG3 31.9
 RRT .0768 RRF -.0733 RTF -.6698
 SGB 1037.6 R23 -.0035 R13 -.6702
 SGI 923.2 SG2 473.6 TMA 3.08

ORBIT DETERMINATION ACCURACY

ST 392.9 SR 422.2 SS 368.5
 CRT -.6914 CRS -.7548 CST .9943
 LSA 638.0 MSA 247.5 SSA 14.6
 EL1 530.7 EL2 225.8 ALF 132.02

LAUNCH DATE MAY 4 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 21 1967

HELIOCENTRIC CONIC

DISTANCE 152.801

RL 150.84 LAL .00 LOL 222.86 VL 18.621 GAL 20.72 AZL 91.25 MCA 49.88 SMA 93.93 ECC .66808 INC 1.2502 VI 29.539
 RP 108.79 LAP -.96 LOP 272.73 VP 32.047 GAP -41.10 AZP 90.81 TAL 168.74 TAP 218.62 RCA 31.18 APO 156.68 V2 34.835
 RC 70.227 GL -1.60 GP 2.49 ZAL 63.08 ZAP 26.89 ETS 187.40 ZAE 140.73 ETE 171.73 ZAC 142.27 ETC 29.75 CLP 26.78

PLANETOCENTRIC CONIC

C3 185.042 VML 13.603 CLA 6.42 RAL 160.73 RAD 6571.0 VEL 17.503 PTH 2.97 VMP 23.785 DPA 24.98 RAP 122.64 ECC 4.0453
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 31 1 2921.16 -28.27 90.68 62.10 88.37 7 19 42 2321.2 -28.20 82.02
 90.00 20 5 12 5164.70 25.63 230.79 55.68 77.52 21 31 16 4564.7 23.65 222.67
 100.00 7 55 24 2648.95 -29.86 70.71 62.15 88.65 8 39 33 2048.9 -29.73 61.91
 100.00 21 23 29 4912.14 27.18 211.83 55.29 77.05 22 45 21 4312.1 25.12 203.63
 110.00 9 10 38 2413.51 -34.18 52.92 62.24 89.41 9 50 52 1813.5 -33.88 43.69
 110.00 22 24 44 4720.34 31.37 196.10 54.13 75.67 23 43 25 4120.3 29.09 187.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7812 TRA-1.9588 TC3 -.1348 BAU .3356 SGT 965.4 SGR 479.6 SG3 34.5 ST 412.8 SR 424.2 SS 387.1
 RDE -.9936 RRA -.5440 RC3 .0154 FAU .01283 RRT .0829 RRF -.0783 RTF -.6861 CRT -.6881 CRS -.7568 CST .9936
 FDE -.3816 FRA .7716 FC3 -.0600 BSP 2623 SGB 1078.0 R23 -.0030 R13 -.6865 LSA 660.3 MSA 252.9 SSA 14.8
 BDE 1.2639 BRA 2.0329 BC3 .1357 FSP -76 SGI 966.5 SG2 477.5 TMA 3.12 EL1 543.8 EL2 233.7 ALF 133.87

LAUNCH DATE MAY 4 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 23 1967

HELIOCENTRIC CONIC

DISTANCE 158.758

RL 150.84 LAL .00 LOL 222.86 VL 19.221 GAL 19.84 AZL 91.42 MCA 53.04 SMA 95.46 ECC .64258 INC 1.4197 VI 29.539
 RP 108.81 LAP -1.13 LOP 275.89 VP 32.391 GAP -39.30 AZP 90.85 TAL 167.96 TAP 221.00 RCA 34.12 APO 156.80 V2 34.827
 RC 68.060 GL -1.98 GP 2.57 ZAL 62.02 ZAP 25.47 ETS 187.82 ZAE 141.30 ETE 170.84 ZAC 140.68 ETC 28.71 CLP 25.35

PLANETOCENTRIC CONIC

C3 168.688 VML 12.988 CLA 5.67 RAL 161.58 RAD 6570.8 VEL 17.030 PTH 2.93 VMP 22.876 DPA 24.75 RAP 124.53 ECC 3.7762
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 40 10 2882.08 -28.32 87.82 61.38 89.81 7 28 12 2282.1 -28.04 79.17
 90.00 20 2 52 5173.10 25.75 231.37 55.72 77.79 21 29 5 4573.1 23.81 223.24
 100.00 8 4 11 2611.07 -29.89 67.89 61.38 90.13 8 47 42 2011.1 -29.55 59.11
 100.00 21 21 32 4919.34 27.29 212.33 55.34 77.30 22 43 31 4319.3 25.27 204.12
 110.00 9 18 34 2378.28 -34.17 50.17 61.33 91.04 9 58 12 1778.3 -33.65 40.96
 110.00 22 23 38 4724.90 31.45 196.44 54.20 75.86 23 42 23 4124.9 29.19 187.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7855 TRA-1.9688 TC3 -.1418 BAU .3225 SGT 1008.8 SGR 483.2 SG3 37.3 ST 434.5 SR 425.4 SS 406.5
 RDE -.9910 RRA -.5303 RC3 .0180 FAU .01300 RRT .0874 RRF -.0829 RTF -.7026 CRT -.6867 CRS -.7591 CST .9932
 FDE -.3993 FRA .7972 FC3 -.0667 BSP 2760 SGB 1118.5 R23 -.0034 R13 -.7029 LSA 684.5 MSA 257.3 SSA 15.0
 BDE 1.2334 BRA 2.0390 BC3 .1430 FSP -83 SGI 1009.9 SG2 480.8 TMA 3.10 EL1 558.4 EL2 240.6 ALF 135.88

LAUNCH DATE MAY 4 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 25 1967

HELIOCENTRIC CONIC

DISTANCE 164.800

RL 150.84 LAL .00 LOL 222.86 VL 19.785 GAL 19.00 AZL 91.58 MCA 56.21 SMA 96.99 ECC .61763 INC 1.5757 VI 29.539
 RP 108.83 LAP -1.31 LOP 279.06 VP 32.720 GAP -37.59 AZP 90.88 TAL 167.19 TAP 223.40 RCA 37.09 APO 156.90 V2 34.820
 RC 65.936 GL -2.38 GP 2.66 ZAL 61.01 ZAP 24.07 ETS 188.31 ZAE 141.95 ETE 169.86 ZAC 139.07 ETC 27.75 CLP 23.93

PLANETOCENTRIC CONIC

C3 153.822 VML 12.402 CLA 4.91 RAL 162.38 RAD 6570.7 VEL 16.588 PTH 2.88 VMP 21.938 DPA 24.51 RAP 126.44 ECC 3.5315
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 49 4 2842.25 -28.29 84.91 60.53 91.27 7 36 26 2242.3 -27.82 76.28
 90.00 20 0 18 5180.81 25.86 231.91 55.65 78.04 21 26 39 4580.8 23.95 223.76
 100.00 8 12 43 2572.43 -29.85 65.02 60.48 91.64 8 55 35 1972.4 -29.30 56.26
 100.00 21 19 20 4925.86 27.39 212.79 55.28 77.52 22 41 26 4325.9 25.39 204.56
 110.00 9 26 16 2342.26 -34.09 47.36 60.29 92.70 10 5 18 1742.3 -33.34 38.20
 110.00 22 22 17 4728.80 31.51 136.72 54.17 76.01 23 41 6 4128.8 29.27 188.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7915 TRA-1.9761 TC3 -.1483 BAU .3079 SGT 1052.9 SGR 486.0 SG3 40.2 ST 457.6 SR 425.9 SS 426.7
 RDE -.9988 RRA -.5159 RC3 .0209 FAU .01320 RRT .0911 RRF -.0874 RTF -.7189 CRT -.6865 CRS -.7616 CST .9928
 FDE -.4179 FRA .8290 FC3 -.0743 BSP 2951 SGB 1159.6 R23 -.0045 R13 -.7192 LSA 710.3 MSA 261.0 SSA 15.2
 BDE 1.2051 BRA 2.0424 BC3 .1497 FSP -92 SGI 1054.1 SG2 483.4 TMA 3.05 EL1 574.4 EL2 246.7 ALF 137.99

LAUNCH DATE MAY 4 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 27 1967

HELIOCENTRIC CONIC

DISTANCE 170.921

RL 150.84 LAL .00 LOL 222.86 VL 20.313 GAL 18.19 AZL 91.72 MCA 59.38 SMA 98.52 ECC .59328 INC 1.7204 VI 29.539
 RP 108.85 LAP -1.48 LOP 282.22 VP 33.035 GAP -35.96 AZP 90.88 TAL 166.44 TAP 225.82 RCA 40.07 APO 156.97 V2 34.813
 RC 63.861 GL -2.80 GP 2.76 ZAL 60.05 ZAP 22.68 ETS 188.87 ZAE 142.71 ETE 168.78 ZAC 137.43 ETC 26.85 CLP 22.52

PLANETOCENTRIC CONIC

C3 140.301 VML 11.845 CLA 4.15 RAL 163.11 RAD 6570.5 VEL 16.175 PTH 2.84 VMP 21.148 DPA 24.24 RAP 128.35 ECC 3.3090
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 57 43 2801.64 -28.19 81.94 59.56 92.75 7 44 25 2201.6 -27.51 73.34
 90.00 19 57 29 5187.90 25.96 232.40 55.47 78.27 21 23 57 4587.9 24.08 224.24
 100.00 8 21 1 2533.00 -29.74 62.10 59.47 93.18 9 3 14 1933.0 -28.98 53.37
 100.00 21 16 53 4931.78 27.47 213.21 55.11 77.73 22 39 5 4331.8 25.50 204.96
 110.00 9 33 43 2305.45 -33.93 44.49 59.15 94.39 10 12 8 1705.4 -32.95 35.39
 110.00 22 20 40 4732.09 31.57 196.96 54.02 76.15 23 39 32 4132.1 29.34 188.46

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7972 TRA-1.9825 TC3 -.1543 BAU .2930 SGT 1098.6 SGR 488.1 SG3 43.5 ST 481.7 SR 425.7 SS 447.7
 RDE -.8670 RRA -.5011 RC3 .0242 FAU .01343 RRT .0951 RRF -.0923 RTF -.7345 CRT -.6863 CRS -.7639 CST .9925
 FDE -.4372 FRA .8493 FC3 -.0829 BSP 3152 SGB 1202.1 R23 -.0056 R13 -.7349 LSA 737.3 MSA 264.1 SSA 15.4
 BDE 1.1778 BRA 2.0449 BC3 .1562 FSP -101 SGI 1099.8 SG2 485.3 TMA 3.00 EL1 591.3 EL2 252.2 ALF 140.12

LAUNCH DATE MAY 4 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 29 1967

HELIOCENTRIC CONIC

DISTANCE 177.115

RL 150.84 LAL .00 LOL 222.86 VL 20.809 GAL 17.42 AZL 91.86 MCA 62.54 SMA 100.03 ECC .56960 INC 1.8559 V1 29.539
 RP 108.87 LAP -1.65 LOP 285.38 VP 33.336 GAP -34.40 AZP 90.86 TAL 165.71 TAP 228.25 RCA 43.05 APO 157.01 V2 34.807
 RC 61.839 GL -3.26 GP 2.86 ZAL 59.16 ZAP 21.32 ETS 189.54 ZAE 143.56 ETE 167.58 ZAC 135.78 ETC 26.02 CLP 21.13

PLANETOCENTRIC CONIC

C3 128.001 VHL 11.314 CLA 3.38 RAL 163.78 RAD 6570.4 VEL 15.790 PTH 2.80 VMP 20.326 DPA 23.96 RAP 130.27 ECC 3.1066
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 6 10 2760.21 -28.02 78.93 58.49 94.26 7 52 10 2160.2 -27.14 70.37
 90.00 19 54 25 5194.44 26.05 232.86 55.18 78.48 21 20 59 4594.4 24.20 224.68
 100.00 8 29 5 2492.75 -29.55 59.12 58.35 94.73 9 10 38 1892.7 -28.58 50.45
 100.00 21 14 10 4937.14 27.55 213.59 54.83 77.91 22 36 28 4337.1 25.60 205.33
 110.00 9 40 57 2267.81 -33.70 41.58 57.89 96.10 10 18 45 1667.8 -32.49 32.56
 110.00 22 18 48 4734.84 31.61 197.17 53.76 76.26 23 37 43 4134.8 29.40 188.66

DIFFERENTIAL CORRECTIONS

TOE .7997 TRA-1.9909 TC3 -.1609 BAU .2795
 ROE -.8258 RRA -.4859 RC3 .0279 FAU .01366
 FOE -.4569 FRA .8766 FC3 -.0924 BSP 3283
 BOE 1.1496 BRA 2.0493 BC3 .1633 FSP -110

MID-COURSE EXECUTION ACCURACY

SGT 1147.5 SGR 489.6 SG3 46.9
 RRT .1008 RRF -.0980 RTF -.7488
 SGB 1247.5 R23 -.0060 R13 -.7492
 SGI 1148.8 SG2 486.5 TMA 3.00

ORBIT DETERMINATION ACCURACY

ST 505.9 SR 424.7 SS 469.2
 CRT -.6841 CRS -.7658 CST .9919
 LSA 764.7 MSA 267.1 SSA 15.6
 EL1 608.2 EL2 257.7 ALF 142.21

LAUNCH DATE MAY 4 1967

FLIGHT TIME 88.00

ARRIVAL DATE JUL 31 1967

HELIOCENTRIC CONIC

DISTANCE 183.377

RL 150.84 LAL .00 LOL 222.86 VL 21.274 GAL 16.68 AZL 91.98 MCA 65.70 SMA 101.53 ECC .54662 INC 1.9839 V1 29.539
 RP 108.89 LAP -1.81 LOP 288.55 VP 33.623 GAP -32.90 AZP 90.82 TAL 165.01 TAP 230.71 RCA 46.03 APO 157.03 V2 34.802
 RC 59.876 GL -3.74 GP 2.97 ZAL 58.31 ZAP 19.96 ETS 190.32 ZAE 144.52 ETE 166.23 ZAC 134.10 ETC 25.24 CLP 19.75

PLANETOCENTRIC CONIC

C3 116.809 VHL 10.808 DLA 2.60 RAL 164.39 RAD 6570.2 VEL 15.432 PTH 2.76 VMP 19.529 DPA 23.67 RAP 132.20 ECC 2.9224
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 14 23 2717.93 -27.77 75.86 57.31 95.77 7 59 41 2117.9 -26.68 67.36
 90.00 19 51 3 5200.52 26.13 233.29 54.79 78.68 21 17 43 4600.5 24.31 225.10
 100.00 8 36 57 2451.64 -29.28 56.09 57.12 96.30 9 17 49 1851.6 -28.10 47.49
 100.00 21 11 11 4942.04 27.62 213.94 54.45 78.08 22 33 33 4342.0 25.70 205.66
 110.00 9 47 59 2229.53 -33.38 38.62 56.53 97.82 10 25 8 1629.3 -31.94 29.69
 110.00 22 16 38 4737.12 31.65 197.33 53.40 76.35 23 35 35 4137.1 29.45 188.82

DIFFERENTIAL CORRECTIONS

TOE .8046 TRA-1.9953 TC3 -.1662 BAU .2643
 ROE -.7851 RRA -.4704 RC3 .0321 FAU .01394
 FOE -.4778 FRA .9041 FC3 -.1033 BSP 3484
 BOE 1.1242 BRA 2.0500 BC3 .1693 FSP -120

MID-COURSE EXECUTION ACCURACY

SGT 1196.7 SGR 490.3 SG3 50.7
 RRT .1035 RRF -.1037 RTF -.7631
 SGB 1293.3 R23 -.0072 R13 -.7635
 SGI 1198.1 SG2 487.0 TMA 2.97

ORBIT DETERMINATION ACCURACY

ST 531.9 SR 422.9 SS 491.7
 CRT -.6835 CRS -.7679 CST .9915
 LSA 794.3 MSA 269.1 SSA 15.7
 EL1 627.1 EL2 261.9 ALF 144.35

LAUNCH DATE MAY 4 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 2 1967

HELIOCENTRIC CONIC

DISTANCE 189.701

RL 150.84 LAL .00 LOL 222.86 VL 21.710 GAL 15.97 AZL 92.11 MCA 68.86 SMA 103.01 ECC .52437 INC 2.1055 V1 29.539
 RP 108.90 LAP -1.96 LOP 291.71 VP 33.896 GAP -31.47 AZP 90.76 TAL 164.32 TAP 233.19 RCA 48.99 APO 157.02 V2 34.797
 RC 57.979 GL -4.26 GP 3.10 ZAL 57.53 ZAP 18.63 ETS 191.26 ZAE 145.57 ETE 164.72 ZAC 132.40 ETC 24.52 CLP 18.38

PLANETOCENTRIC CONIC

C3 106.626 VHL 10.326 DLA 1.82 RAL 164.94 RAD 6570.0 VEL 15.099 PTH 2.71 VMP 18.758 DPA 23.36 RAP 134.12 ECC 2.7548
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 22 25 2674.78 -27.44 72.74 56.02 97.30 8 7 0 2074.8 -26.14 64.32
 90.00 19 47 23 5206.23 26.21 233.69 54.30 78.87 21 14 9 4606.2 24.41 225.48
 100.00 8 44 36 2409.68 -28.93 53.02 55.80 97.88 9 24 46 1809.7 -27.53 44.50
 100.00 21 7 52 4946.56 27.68 214.26 53.96 78.24 22 30 19 4346.6 25.78 205.97
 110.00 9 54 47 2190.00 -32.98 35.62 55.07 99.56 10 31 17 1590.0 -31.31 26.80
 110.00 22 14 11 4739.00 31.68 197.47 52.93 76.43 23 33 10 4139.0 29.49 188.95

DIFFERENTIAL CORRECTIONS

TOE .8093 TRA-1.9983 TC3 -.1708 BAU .2490
 ROE -.7450 RRA -.4548 RC3 .0367 FAU .01425
 FOE -.4998 FRA .9323 FC3 -.1157 BSP 3691
 BOE 1.1000 BRA 2.0494 BC3 .1747 FSP -132

MID-COURSE EXECUTION ACCURACY

SGT 1247.7 SGR 490.3 SG3 54.8
 RRT .1106 RRF -.1099 RTF -.7768
 SGB 1340.6 R23 -.0085 R13 -.7772
 SGI 1249.1 SG2 486.7 TMA 2.94

ORBIT DETERMINATION ACCURACY

ST 559.0 SR 420.3 SS 515.2
 CRT -.6829 CRS -.7699 CST .9910
 LSA 825.4 MSA 270.5 SSA 15.8
 EL1 647.2 EL2 265.2 ALF 146.48

LAUNCH DATE MAY 4 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 4 1967

HELIOCENTRIC CONIC

DISTANCE 196.003

RL 150.84 LAL .00 LOL 222.86 VL 22.119 GAL 15.29 AZL 92.22 MCA 72.02 SMA 104.46 ECC .50288 INC 2.2221 V1 29.539
 RP 108.92 LAP -2.11 LOP 294.87 VP 34.155 GAP -30.10 AZP 90.69 TAL 163.67 TAP 235.69 RCA 51.93 APO 156.99 V2 34.793
 RC 56.154 GL -4.81 GP 3.23 ZAL 56.81 ZAP 17.31 ETS 192.38 ZAE 146.73 ETE 163.01 ZAC 130.69 ETC 23.84 CLP 17.01

PLANETOCENTRIC CONIC

C3 97.362 VHL 9.867 DLA 1.02 RAL 165.42 RAD 6569.9 VEL 14.789 PTH 2.67 VMP 18.012 DPA 23.04 RAP 136.05 ECC 2.6023
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 30 16 2630.73 -27.01 69.59 54.65 98.83 8 14 7 2030.7 -25.52 61.24
 90.00 19 43 23 5211.68 26.28 234.07 53.70 79.05 21 10 14 4611.7 24.50 225.85
 100.00 8 52 5 2366.83 -28.49 49.91 54.38 99.46 9 31 32 1766.8 -26.89 41.48
 100.00 21 4 15 4950.82 27.74 214.56 53.37 78.39 22 26 46 4350.8 25.86 206.27
 110.00 10 1 25 2149.82 -32.48 32.59 53.54 101.28 10 37 14 1549.8 -30.59 23.89
 110.00 22 11 25 4740.59 31.70 197.59 52.36 76.49 23 30 25 4140.6 29.52 189.06

DIFFERENTIAL CORRECTIONS

TOE .8111 TRA-2.0027 TC3 -.1756 BAU .2350
 ROE -.7056 RRA -.4390 RC3 .0419 FAU .01457
 FOE -.5225 FRA .9618 FC3 -.1296 BSP 3838
 BOE 1.0751 BRA 2.0502 BC3 .1805 FSP -143

MID-COURSE EXECUTION ACCURACY

SGT 1301.8 SGR 489.6 SG3 59.2
 RRT .1175 RRF -.1170 RTF -.7892
 SGB 1390.8 R23 -.0093 R13 -.7896
 SGI 1303.2 SG2 485.7 TMA 2.94

ORBIT DETERMINATION ACCURACY

ST 586.3 SR 416.8 SS 539.5
 CRT -.6806 CRS -.7715 CST .9904
 LSA 857.0 MSA 271.7 SSA 16.0
 EL1 667.4 EL2 268.2 ALF 148.53

LAUNCH DATE MAY 4 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 6 1967

HELIOCENTRIC CONIC

DISTANCE 202.517

RL 150.84 LAL .00 LOL 222.86 VL 22.503 GAL 14.63 AZL 92.33 MCA 75.19 SMA 105.89 ECC .48217 INC 2.3345 V1 29.539
 RP 108.93 LAP -2.26 LOP 298.03 VP 34.401 GAP -28.78 AZP 90.60 TAL 163.04 TAP 238.23 RCA 54.83 APO 156.94 V2 34.790
 RC 54.407 GL -5.40 GP 3.38 ZAL 56.14 ZAP 16.01 ETS 133.73 ZAE 147.99 ETE 161.07 ZAC 128.96 ETC 23.21 CLP 15.65

PLANETOCENTRIC CONIC

C3 88.937 VML 9.431 DLA .21 RAL 165.84 RAD 6569.7 VEL 14.501 PTH 2.63 VMP 17.288 CPA 22.72 RAP 137.98 ECC 2.4637
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 37 56 2585.78 -26.50 66.40 53.20 100.35 8 21 2 1985.8 -24.81 58.14
 90.00 19 39 2 5217.00 26.35 234.45 53.01 79.22 21 5 59 4617.0 24.59 226.22
 100.00 8 59 23 2323.09 -27.96 46.77 52.89 101.04 9 38 6 1723.1 -26.15 38.44
 100.00 21 0 17 4954.93 27.80 214.86 52.69 78.53 22 22 52 4354.9 25.93 206.55
 110.00 10 7 51 2108.78 -31.89 29.54 51.92 103.00 10 42 59 1508.8 -29.78 20.97
 110.00 22 8 18 4742.00 31.73 197.69 51.69 76.55 23 27 20 4142.0 29.55 189.16

DIFFERENTIAL CORRECTIONS

TDE .8152 TRA-2.0030 TC3 -.1785 BAU .2197
 RDE -.6667 RRA -.4233 RC3 .0477 FAU .01495
 FDE -.5470 FRA .9917 FC3 -.1455 BSP 4045
 BDE 1.0531 BRA 2.0473 BC3 .1848 FSP -157

MID-COURSE EXECUTION ACCURACY

SGT 1356.3 SGR 488.2 SG3 64.0
 RRT .1239 RRF -.1246 RTF -.8016
 SGB 1441.5 R23 -.0108 R13 -.8019
 SGI 1357.9 SG2 483.8 TMA 2.93

ORBIT DETERMINATION ACCURACY

ST 615.4 SR 412.3 SS 565.2
 CRT -.6797 CRS -.7732 CST .9899
 LSA 891.1 MSA 271.9 SSA 16.1
 EL1 689.9 EL2 269.8 ALF 150.58

LAUNCH DATE MAY 4 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 8 1967

HELIOCENTRIC CONIC

DISTANCE 208.999

RL 150.84 LAL .00 LOL 222.86 VL 22.862 GAL 14.00 AZL 92.44 MCA 78.35 SMA 107.28 ECC .46224 INC 2.4437 V1 29.539
 RP 108.93 LAP -2.39 LOP 301.19 VP 34.635 GAP -27.52 AZP 90.49 TAL 162.45 TAP 240.79 RCA 57.69 APO 156.88 V2 34.787
 RC 52.748 GL -6.02 GP 3.55 ZAL 55.54 ZAP 14.72 ETS 195.39 ZAE 149.34 ETE 158.83 ZAC 127.22 ETC 22.62 CLP 14.30

PLANETOCENTRIC CONIC

C3 81.277 VML 9.015 DLA -.62 RAL 166.19 RAD 6569.6 VEL 14.235 PTH 2.59 VMP 16.588 CPA 22.39 RAP 139.90 ECC 2.3376
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 45 28 2539.91 -25.90 63.17 51.67 101.86 8 27 48 1939.9 -24.01 55.02
 90.00 19 34 19 5222.34 26.41 234.82 52.22 79.40 21 1 21 4622.3 24.68 226.58
 100.00 9 6 31 2278.45 -27.33 43.60 51.32 102.59 9 44 30 1678.4 -25.33 35.38
 100.00 20 55 57 4959.03 27.85 215.15 51.91 78.68 22 18 36 4359.0 26.01 206.83
 110.00 10 14 6 2066.90 -31.21 26.46 50.24 104.70 10 48 33 1466.9 -28.88 18.04
 110.00 22 4 51 4743.35 31.75 197.79 50.93 76.61 23 23 54 4143.3 29.58 189.25

DIFFERENTIAL CORRECTIONS

TDE .8194 TRA-2.0015 TC3 -.1800 BAU .2043
 RDE -.6285 RRA -.4076 RC3 .0542 FAU .01537
 FDE -.5730 FRA 1.0227 FC3 -.1637 BSP 4262
 BDE 1.0326 BRA 2.0426 BC3 .1880 FSP -172

MID-COURSE EXECUTION ACCURACY

SGT 1412.3 SGR 486.0 SG3 69.2
 RRT .1309 RRF -.1329 RTF -.8134
 SGB 1493.6 R23 -.0125 R13 -.8138
 SGI 1414.0 SG2 481.3 TMA 2.92

ORBIT DETERMINATION ACCURACY

ST 645.7 SR 406.9 SS 592.2
 CRT -.6788 CRS -.7748 CST .9894
 LSA 927.0 MSA 271.3 SSA 16.3
 EL1 713.7 EL2 270.3 ALF 152.58

LAUNCH DATE MAY 4 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 10 1967

HELIOCENTRIC CONIC

DISTANCE 215.523

RL 150.84 LAL .00 LOL 222.86 VL 23.199 GAL 13.39 AZL 92.55 MCA 81.51 SMA 108.65 ECC .44312 INC 2.5503 V1 29.539
 RP 108.94 LAP -2.52 LOP 304.35 VP 34.856 GAP -26.30 AZP 90.38 TAL 161.88 TAP 243.39 RCA 60.50 APO 156.79 V2 34.786
 RC 51.183 GL -6.69 GP 3.72 ZAL 55.01 ZAP 13.46 ETS 197.45 ZAE 150.77 ETE 156.25 ZAC 125.47 ETC 22.07 CLP 12.94

PLANETOCENTRIC CONIC

C3 74.318 VML 8.621 DLA -1.46 RAL 166.47 RAD 6569.4 VEL 13.988 PTH 2.55 VMP 15.910 CPA 22.05 RAP 141.83 ECC 2.2231
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 52 51 2433.11 -25.21 59.92 50.07 103.35 8 34 24 1893.1 -23.12 51.87
 90.00 19 29 11 5227.85 26.48 235.21 51.35 79.59 20 56 19 4627.9 24.77 226.96
 100.00 9 13 31 2232.91 -26.62 40.41 49.69 104.13 9 50 44 1632.9 -24.41 32.30
 100.00 20 51 13 4963.28 27.91 215.45 51.04 78.83 22 13 56 4363.3 26.08 207.13
 110.00 10 20 12 2024.18 -30.43 23.38 48.51 106.38 10 53 56 1424.2 -27.89 15.11
 110.00 22 1 1 4744.78 31.77 197.90 50.08 76.67 23 20 6 4144.8 29.61 189.35

DIFFERENTIAL CORRECTIONS

TDE .8235 TRA-1.9983 TC3 -.1801 BAU .1891
 RDE -.5909 RRA -.3922 RC3 .0613 FAU .01583
 FDE -.6009 FRA 1.0547 FC3 -.1844 BSP 4484
 BDE 1.0136 BRA 2.0364 BC3 .1903 FSP -189

MID-COURSE EXECUTION ACCURACY

SGT 1470.1 SGR 483.1 SG3 74.9
 RRT .1389 RRF -.1423 RTF -.8247
 SGB 1547.4 R23 -.0144 R13 -.8250
 SGI 1471.8 SG2 477.9 TMA 2.92

ORBIT DETERMINATION ACCURACY

ST 677.1 SR 400.4 SS 620.6
 CRT -.6778 CRS -.7763 CST .9890
 LSA 964.8 MSA 270.1 SSA 16.4
 EL1 739.0 EL2 269.8 ALF 154.52

LAUNCH DATE MAY 4 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 222.086

RL 150.84 LAL .00 LOL 222.86 VL 23.514 GAL 12.81 AZL 92.66 MCA 84.67 SMA 109.97 ECC .42479 INC 2.6552 V1 29.539
 RP 108.94 LAP -2.64 LOP 307.52 VP 35.066 GAP -25.13 AZP 90.25 TAL 161.35 TAP 246.01 RCA 63.26 APO 156.69 V2 34.784
 RC 49.723 GL -7.40 GP 3.92 ZAL 54.54 ZAP 12.22 ETS 200.02 ZAE 152.27 ETE 153.24 ZAC 123.71 ETC 21.55 CLP 11.58

PLANETOCENTRIC CONIC

C3 67.999 VML 8.246 DLA -2.33 RAL 166.69 RAD 6569.3 VEL 13.761 PTH 2.51 VMP 15.253 CPA 21.71 RAP 143.74 ECC 2.1191
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 0 7 2445.37 -24.42 56.65 48.42 104.80 8 40 53 1845.4 -22.15 48.71
 90.00 19 23 38 5233.72 26.55 235.63 50.40 79.78 20 50 52 4633.7 24.87 227.36
 100.00 9 20 23 2186.48 -25.81 37.19 48.01 105.63 9 56 49 1586.5 -23.41 29.21
 100.00 20 46 4 4967.85 27.97 215.78 50.10 78.99 22 8 51 4367.8 26.16 207.44
 110.00 10 26 8 1980.63 -29.56 20.29 46.73 108.01 10 59 9 1380.6 -26.81 12.18
 110.00 21 56 48 4746.46 31.80 198.02 49.15 76.73 23 15 54 4146.5 29.65 189.47

DIFFERENTIAL CORRECTIONS

TDE .8276 TRA-1.9934 TC3 -.1786 BAU .1741
 RDE -.5540 RRA -.3771 RC3 .0692 FAU .01633
 FDE -.6307 FRA 1.0881 FC3 -.2080 BSP 4701
 BDE .9959 BRA 2.0287 BC3 .1915 FSP -206

MID-COURSE EXECUTION ACCURACY

SGT 1529.3 SGR 479.5 SG3 81.1
 RRT .1480 RRF -.1530 RTF -.8353
 SGB 1602.8 R23 -.0164 R13 -.8356
 SGI 1531.1 SG2 473.7 TMA 2.94

ORBIT DETERMINATION ACCURACY

ST 709.7 SR 392.9 SS 650.5
 CRT -.6766 CRS -.7775 CST .9885
 LSA 1004.5 MSA 268.2 SSA 16.5
 EL1 765.6 EL2 268.2 ALF 156.40

LAUNCH DATE MAY 4 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC
 RL 150.84 LAL .00 LOL 222.86 VL 23.809 GAL 12.25 AZL 92.76 MCA 87.82 SMA 111.26 ECC .40726 INC 2.7591 V1 29.539
 RP 108.94 LAP -2.76 LOP 310.68 VP 35.264 GAP -24.00 AZP 90.10 TAL 160.85 TAP 248.67 RCA 65.95 APO 156.57 V2 34.784
 RC 48.377 GL -8.16 GP 4.14 ZAL 54.14 ZAP 11.02 ETS 203.28 ZAE 153.82 ETE 149.70 ZAC 121.95 ETC 21.07 CLP 10.22

PLANETOCENTRIC CONIC
 C3 62.267 VML 7.891 DLA -3.21 RAL 166.83 RAD 6569.2 VEL 13.551 PTH 2.48 VMP 14.617 DPA 21.37 RAP 145.65 ECC 2.024H

LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 7 18 2396.70 -23.53 53.36 46.73 106.22 8 47 15 1796.7 -21.08 45.54
 90.00 19 17 37 5240.13 26.63 236.08 49.37 80.00 20 44 57 4640.1 24.98 227.80
 100.00 9 27 8 2139.15 -24.90 33.97 46.28 107.10 10 2 48 1539.1 -22.32 26.12
 100.00 20 40 27 4972.92 28.03 216.14 49.08 79.17 22 3 20 4372.9 26.25 207.79
 110.00 10 31 56 1936.29 -28.58 17.21 44.91 109.60 11 4 13 1336.3 -25.64 9.26
 110.00 21 52 8 4748.54 31.83 198.18 48.14 76.82 23 11 17 4148.5 29.69 189.62

DIFFERENTIAL CORRECTIONS
 TDE .8322 TRA-1.9862 TC3 -.1749 BAU .1594
 RDE -.5177 RRA -.3624 RC3 .0780 FAU .01689
 FDE -.6629 FRA 1.1226 FC3 -.2349 BSP 4927
 BDE .9801 BRA 2.0190 BC3 .1915 FSP -226

MID-COURSE EXECUTION ACCURACY
 SGT 1589.9 SGR 475.3 SG3 87.9
 RRT .1583 RRF -.1650 RTF -.8454
 SGB 1659.4 R23 -.0188 R13 -.8458
 SGI 1591.8 SG2 468.7 TMA 2.97

ORBIT DETERMINATION ACCURACY
 ST 743.6 SR 384.2 SS 682.2
 CRT -.6753 CRS -.7784 CST .9881
 LSA 1046.5 MSA 265.6 SSA 16.6
 EL1 793.8 EL2 265.4 ALF 158.21

LAUNCH DATE MAY 4 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC
 RL 150.84 LAL .00 LOL 222.86 VL 24.086 GAL 11.72 AZL 92.86 MCA 90.98 SMA 112.51 ECC .39051 INC 2.8625 V1 29.539
 RP 108.94 LAP -2.86 LOP 313.84 VP 35.452 GAP -22.92 AZP 89.95 TAL 160.39 TAP 251.37 RCA 68.57 APO 156.45 V2 34.784
 RC 47.155 GL -8.97 GP 4.38 ZAL 53.80 ZAP 9.87 ETS 207.47 ZAE 155.38 ETE 145.53 ZAC 120.18 ETC 20.62 CLP 8.85

PLANETOCENTRIC CONIC
 C3 57.074 VML 7.555 DLA -4.12 RAL 166.90 RAD 6569.0 VEL 13.358 PTH 2.44 VMP 14.001 DPA 21.04 RAP 147.56 ECC 1.9393

LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 14 24 2347.09 -22.55 50.05 45.00 107.60 8 53 31 1747.1 -19.93 42.36
 90.00 19 11 5 5247.29 26.71 236.59 48.27 80.24 20 38 32 4647.3 25.09 228.30
 100.00 9 33 49 2090.93 -23.89 30.74 44.52 108.52 10 8 40 1490.9 -21.14 23.02
 100.00 20 34 22 4978.69 28.11 216.55 47.99 79.38 21 57 21 4378.7 26.35 208.19
 110.00 10 37 37 1891.16 -27.51 14.13 43.07 111.14 11 9 9 1291.2 -24.39 6.35
 110.00 21 47 2 4751.22 31.87 198.37 47.07 76.93 23 6 13 4151.2 29.74 189.81

DIFFERENTIAL CORRECTIONS
 TDE .8345 TRA-1.9798 TC3 -.1707 BAU .1463
 RDE -.4821 RRA -.3483 RC3 .0875 FAU .01749
 FDE -.6974 FRA 1.1593 FC3 -.2653 BSP 5094
 BDE .9637 BRA 2.0102 BC3 .1918 FSP -247

MID-COURSE EXECUTION ACCURACY
 SGT 1653.2 SGR 470.4 SG3 95.3
 RRT .1712 RRF -.1793 RTF -.8543
 SGB 1718.9 R23 -.0209 R13 -.8547
 SGI 1655.4 SG2 462.9 TMA 3.03

ORBIT DETERMINATION ACCURACY
 ST 777.5 SR 374.2 SS 715.5
 CRT -.6721 CRS -.7787 CST .9874
 LSA 1089.5 MSA 262.9 SSA 16.7
 EL1 822.1 EL2 262.0 ALF 159.95

LAUNCH DATE MAY 4 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC
 RL 150.84 LAL .00 LOL 222.86 VL 24.344 GAL 11.20 AZL 92.97 MCA 94.14 SMA 113.72 ECC .37455 INC 2.9661 V1 29.539
 RP 108.94 LAP -2.96 LOP 317.01 VP 35.629 GAP -21.87 AZP 89.79 TAL 159.96 TAP 254.10 RCA 71.12 APO 156.31 V2 34.785
 RC 46.068 GL -9.83 GP 4.64 ZAL 53.54 ZAP 8.79 ETS 212.92 ZAE 156.91 ETE 140.59 ZAC 118.42 ETC 20.19 CLP 7.48

PLANETOCENTRIC CONIC
 C3 52.372 VML 7.237 DLA -5.06 RAL 166.90 RAD 6568.9 VEL 13.181 PTH 2.41 VMP 13.405 DPA 20.72 RAP 149.45 ECC 1.8619

LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 21 28 2296.53 -21.47 46.74 43.24 108.92 8 59 44 1696.5 -18.69 39.17
 90.00 19 4 1 5255.44 26.81 237.17 47.11 80.51 20 31 36 4655.4 25.22 228.86
 100.00 9 40 25 2041.82 -22.79 27.51 42.74 109.88 10 14 27 1441.8 -19.88 19.92
 100.00 20 27 45 4985.38 28.19 217.03 46.84 79.62 21 50 50 4385.4 26.47 208.66
 110.00 10 43 12 1845.27 -26.35 11.07 41.22 112.61 11 13 57 1245.3 -23.05 3.46
 110.00 21 41 27 4754.69 31.92 198.63 45.95 77.07 23 0 42 4154.7 29.82 190.05

DIFFERENTIAL CORRECTIONS
 TDE .8398 TRA-1.9690 TC3 -.1623 BAU .1328
 RDE -.4471 RRA -.3348 RC3 .0981 FAU .01816
 FDE -.7355 FRA 1.1973 FC3 -.3002 BSP 5322
 BDE .9514 BRA 1.9972 BC3 .1896 FSP -270

MID-COURSE EXECUTION ACCURACY
 SGT 1716.5 SGR 465.0 SG3 103.4
 RRT .1851 RRF -.1954 RTF -.8634
 SGB 1778.4 R23 -.0239 R13 -.8638
 SGI 1718.8 SG2 456.4 TMA 3.09

ORBIT DETERMINATION ACCURACY
 ST 814.0 SR 362.9 SS 751.3
 CRT -.6700 CRS -.7786 CST .9870
 LSA 1136.3 MSA 259.0 SSA 16.7
 EL1 853.3 EL2 257.0 ALF 161.65

LAUNCH DATE MAY 4 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC
 RL 150.84 LAL .00 LOL 222.86 VL 24.585 GAL 10.71 AZL 93.07 MCA 97.30 SMA 114.88 ECC .35936 INC 3.0706 V1 29.539
 RP 108.93 LAP -3.05 LOP 320.17 VP 35.796 GAP -20.86 AZP 89.61 TAL 159.57 TAP 256.87 RCA 73.60 APO 156.16 V2 34.787
 RC 45.125 GL -10.75 GP 4.93 ZAL 53.36 ZAP 7.83 ETS 220.05 ZAE 158.34 ETE 134.75 ZAC 116.65 ETC 19.80 CLP 6.09

PLANETOCENTRIC CONIC
 C3 48.123 VML 6.937 DLA -6.03 RAL 166.82 RAD 6568.8 VEL 13.019 PTH 2.37 VMP 12.829 DPA 20.42 RAP 151.34 ECC 1.7920

LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 28 30 2244.99 -20.29 43.42 41.47 110.18 9 5 55 1645.0 -17.36 35.97
 90.00 18 56 22 5264.80 26.91 237.83 45.90 80.83 20 24 6 4664.8 25.37 229.51
 100.00 9 46 59 1991.81 -21.60 24.27 40.94 111.18 10 20 11 1391.8 -18.53 16.82
 100.00 20 20 34 4993.22 28.28 217.60 45.63 79.90 21 43 47 4393.2 26.60 209.20
 110.00 10 48 41 1798.64 -25.09 8.03 39.36 114.01 11 18 40 1198.6 -21.63 .59
 110.00 21 35 21 4759.16 31.99 198.96 44.77 77.26 22 54 40 4159.2 29.91 190.37

DIFFERENTIAL CORRECTIONS
 TDE .8458 TRA-1.9559 TC3 -.1509 BAU .1200
 RDE -.4126 RRA -.3220 RC3 .1096 FAU .01891
 FDE -.7773 FRA 1.2370 FC3 -.3402 BSP 5555
 BDE .9411 BRA 1.9822 BC3 .1865 FSP -297

MID-COURSE EXECUTION ACCURACY
 SGT 1780.6 SGR 459.1 SG3 112.3
 RRT .2013 RRF -.2141 RTF -.8719
 SGB 1838.8 R23 -.0272 R13 -.8724
 SGI 1783.2 SG2 449.0 TMA 3.17

ORBIT DETERMINATION ACCURACY
 ST 851.8 SR 350.1 SS 789.5
 CRT -.6672 CRS -.7778 CST .9866
 LSA 1185.9 MSA 254.5 SSA 16.8
 EL1 886.2 EL2 250.7 ALF 163.29

LAUNCH DATE MAY 4 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 255.329

RL 150.84 LAL .00 LOL 222.86 VL 24.811 GAL 10.24 AZL 93.14 MCA 100.46 SMA 116.00 ECC .34493 INC 3.1766 VI 29.539
 RP 108.93 LAP -3.12 LOP 323.34 VP 35.953 GAP -19.88 A7P 89.42 TAL 159.22 TAP 259.68 RCA 75.99 APO 156.01 V2 34.790
 RC 44.335 GL -11.73 GP 5.26 ZAL 53.25 ZAP 7.04 ETS 229.27 ZAE 159.59 ETE 127.92 ZAC 114.88 ETC 19.42 CLP 4.69

PLANETOCENTRIC CONIC

C3 44.290 VML 6.655 OLA -7.03 RAL 166.67 RAD 656H.7 VEL 12.871 PTH 2.34 VMP 12.271 CPA 20.13 RAP 153.21 ECC 1.7289
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 35 34 2192.47 -19.03 40.09 39.69 111.38 9 12 6 1592.5 -15.95 32.76
 90.00 18 48 4 5275.66 27.02 238.61 44.64 81.20 20 16 0 1340.9 -17.10 13.72
 100.00 9 53 33 1940.90 -20.31 21.04 39.14 112.41 10 25 54 4402.5 26.75 209.85
 100.00 20 12 46 5002.47 28.39 218.26 44.38 80.23 21 36 9 4164.9 30.02 190.77
 110.00 10 54 6 1751.28 -23.75 5.01 37.50 115.34 11 23 18 4164.9 30.02 190.77
 110.00 21 28 42 4764.85 32.08 199.38 43.54 77.50 22 48 7 4164.9 30.02 190.77

DIFFERENTIAL CORRECTIONS

TDE .1528 TRA-1.9409 TC3 -.1362 BAU .1084
 RDE -.3785 RRA -.3102 RC3 .1222 FAU .01973
 FDE -.8233 FRA 1.2789 FC3 -.3856 BSP 5789
 BDE .9330 BRA 1.9655 BC3 .1830 FSP -325

MID-COURSE EXECUTION ACCURACY

SGT 1845.7 SGR 452.8 SG3 122.1
 RRT .2205 RRF -.2360 RTF -.8800
 SGB 1900.4 R23 -.0310 R13 -.8805
 SGI 1848.5 SG2 441.0 TMA 3.28

ORBIT DETERMINATION ACCURACY

ST 891.2 SR 335.8 SS 830.4
 CRT -.6634 CRS -.7759 CST .9863
 LSA 1238.5 MSA 249.5 SSA 16.8
 EL1 920.7 EL2 243.2 ALF 164.89

LAUNCH DATE MAY 4 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 262.036

RL 150.84 LAL .00 LOL 222.86 VL 25.021 GAL 9.79 AZL 93.28 MCA 103.62 SMA 117.07 ECC .33124 INC 3.2847 VI 29.539
 RP 108.92 LAP -3.19 LOP 326.50 VP 36.102 GAP -18.94 A7P 89.23 TAL 158.90 TAP 262.53 RCA 78.29 APO 155.85 V2 34.793
 RC 43.707 GL -12.77 GP 5.62 ZAL 53.23 ZAP 6.50 ETS 240.76 ZAE 160.58 ETE 120.08 ZAC 113.12 ETC 19.07 CLP 3.27

PLANETOCENTRIC CONIC

C3 40.837 VML 6.390 OLA -8.06 RAL 166.44 RAD 656H.6 VEL 12.736 PTH 2.32 VMP 11.732 CPA 19.88 RAP 155.08 ECC 1.6721
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 42 41 2138.93 -17.66 36.75 37.91 112.50 9 18 20 1538.9 -14.46 29.53
 90.00 18 39 5 5288.30 27.15 239.51 43.34 81.64 20 7 14 4688.3 25.72 231.14
 100.00 10 0 8 1889.08 -18.93 17.81 37.34 113.57 10 31 37 1289.1 -15.58 10.62
 100.00 20 4 20 5013.38 28.52 219.05 43.10 80.63 21 27 53 4413.4 26.93 210.61
 110.00 10 59 29 1703.22 -22.31 2.01 35.65 116.60 11 27 53 1103.2 -18.56 354.89
 110.00 21 21 28 4772.01 32.18 199.91 42.29 77.79 22 41 0 4172.0 30.17 191.28

DIFFERENTIAL CORRECTIONS

TDE .8605 TRA-1.9236 TC3 -.1180 BAU .0983
 RDE -.3448 RRA -.2994 RC3 .1360 FAU .02064
 FDE -.8743 FRA 1.3231 FC3 -.4375 BSP 6018
 BDE .9270 BRA 1.9467 BC3 .1800 FSP -357

MID-COURSE EXECUTION ACCURACY

SGT 1911.1 SGR 446.4 SG3 132.8
 RRT .2433 RRF -.2618 RTF -.8877
 SGB 1962.5 R23 -.0353 R13 -.8882
 SGI 1914.3 SG2 432.2 TMA 3.43

ORBIT DETERMINATION ACCURACY

ST 931.8 SR 319.7 SS 874.3
 CRT -.6580 CRS -.7725 CST .9861
 LSA 1294.3 MSA 244.0 SSA 16.8
 EL1 956.9 EL2 234.4 ALF 166.45

LAUNCH DATE MAY 4 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 268.755

RL 150.84 LAL .00 LOL 222.86 VL 25.217 GAL 9.36 AZL 93.40 MCA 106.79 SMA 118.09 ECC .31827 INC 3.3958 VI 29.539
 RP 108.90 LAP -3.25 LOP 329.67 VP 36.242 GAP -18.03 A7P 89.02 TAL 158.63 TAP 265.41 RCA 80.51 APO 155.68 V2 34.797
 RC 43.245 GL -13.88 GP 6.03 ZAL 53.28 ZAP 6.30 ETS 254.01 ZAE 161.21 ETE 111.40 ZAC 111.37 ETC 18.74 CLP 1.82

PLANETOCENTRIC CONIC

C3 37.736 VML 6.143 OLA -9.14 RAL 166.12 RAD 656H.5 VEL 12.614 PTH 2.29 VMP 11.211 CPA 19.65 RAP 156.93 ECC 1.6210
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 49 55 2084.30 -16.21 33.40 36.14 113.54 9 24 39 1484.3 -12.89 26.29
 90.00 18 29 22 5303.02 27.29 240.56 42.02 82.15 19 57 45 4703.0 25.93 232.16
 100.00 10 6 47 1836.29 -17.46 14.58 35.56 114.65 10 37 24 1236.3 -13.99 7.50
 100.00 19 55 10 5026.27 28.65 219.98 41.79 81.10 21 18 56 4426.3 27.13 211.51
 110.00 11 4 52 1654.45 -20.79 359.04 33.82 117.76 11 32 26 1054.4 -16.92 352.06
 110.00 21 13 35 4780.88 32.31 200.58 41.02 78.17 22 33 16 4180.9 30.34 191.91

DIFFERENTIAL CORRECTIONS

TDE .8696 TRA-1.9043 TC3 -.0964 BAU .0903
 RDE -.3113 RRA -.2898 RC3 .1509 FAU .02163
 FDE -.9311 FRA 1.3698 FC3 -.4962 BSP 6251
 BDE .9237 BRA 1.9263 BC3 .1791 FSP -392

MID-COURSE EXECUTION ACCURACY

SGT 1977.0 SGR 440.0 SG3 144.6
 RRT .2702 RRF -.2922 RTF -.8948
 SGB 2025.3 R23 -.0403 R13 -.8954
 SGI 1980.7 SG2 422.8 TMA 3.61

ORBIT DETERMINATION ACCURACY

ST 974.3 SR 301.8 SS 921.5
 CRT -.6503 CRS -.7668 CST .9859
 LSA 1353.7 MSA 238.0 SSA 16.8
 EL1 994.9 EL2 224.5 ALF 167.99

LAUNCH DATE MAY 4 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 275.482

RL 150.84 LAL .00 LOL 222.86 VL 25.400 GAL 8.95 AZL 93.51 MCA 109.95 SMA 119.07 ECC .30602 INC 3.5107 VI 29.539
 RP 108.89 LAP -3.30 LOP 332.84 VP 36.373 GAP -17.15 A7P 88.80 TAL 158.39 TAP 268.34 RCA 82.64 APO 155.51 V2 34.801
 RC 42.956 GL -15.06 GP 6.49 ZAL 53.43 ZAP 6.50 ETS 267.63 ZAE 161.41 ETE 102.23 ZAC 109.62 ETC 18.43 CLP .36

PLANETOCENTRIC CONIC

C3 34.959 VML 5.913 OLA -10.26 RAL 165.73 RAD 656H.4 VEL 12.503 PTH 2.26 VMP 10.707 CPA 19.47 RAP 158.78 ECC 1.5753
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 57 18 2028.52 -14.66 30.03 34.40 114.50 9 31 7 1428.5 -11.23 23.03
 90.00 18 18 48 5320.17 27.45 241.80 40.67 82.75 19 47 28 4720.2 26.16 233.37
 100.00 10 13 34 1782.50 -15.91 11.34 33.79 115.65 10 43 16 1182.5 -12.33 4.38
 100.00 19 45 14 5041.42 28.81 221.08 40.46 81.66 21 9 15 4441.4 27.36 212.58
 110.00 11 10 15 1604.96 -19.20 356.09 32.02 118.84 11 37 0 1005.0 -15.20 349.25
 110.00 21 5 2 4791.72 32.45 201.39 39.73 78.63 22 24 53 4191.7 30.55 192.69

DIFFERENTIAL CORRECTIONS

TDE .8819 TRA-1.8806 TC3 -.0675 BAU .0843
 RDE -.2777 RRA -.2815 RC3 .1672 FAU .02276
 FDE -.9954 FRA 1.4185 FC3 -.5636 BSP 6541
 BDE .9246 BRA 1.9015 BC3 .1803 FSP -432

MID-COURSE EXECUTION ACCURACY

SGT 2041.2 SGR 434.0 SG3 157.6
 RRT .3021 RRF -.3278 RTF -.9021
 SGB 2086.8 R23 -.0458 R13 -.9028
 SGI 2045.6 SG2 412.8 TMA 3.83

ORBIT DETERMINATION ACCURACY

ST 1019.3 SR 281.7 SS 973.1
 CRT -.6400 CRS -.7579 CST .9859
 LSA 1418.3 MSA 231.3 SSA 16.7
 EL1 1035.9 EL2 213.0 ALF 169.52

LAUNCH DATE MAY 4 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 282.215

RL 150.84 LAL .00 LOL 222.86 VL 25.570 GAL 8.56 AZL 93.63 MCA 113.11 SMA 120.01 ECC .29446 INC 3.6304 V1 29.539
 RP 108.87 LAP -3.34 LOP 336.01 VP 36.497 GAP -16.30 AZP 88.57 TAL 158.19 TAP 271.30 RCA 84.67 APO 155.34 V2 34.806
 RC 42.841 GL -16.32 GP 7.00 ZAL 53.65 ZAP 7.09 ETS 279.96 ZAE 161.14 ETE 93.07 ZAC 107.89 ETC 18.13 CLP -1.14

PLANETOCENTRIC CONIC

C3 32.480 VHL 5.699 DLA -11.42 RAL 165.25 RAD 6568.3 VEL 12.404 PTH 2.24 VMP 10.222 CPA 19.34 RAP 160.61 ECC 1.5345
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 4 56 1971.48 -13.02 26.64 32.68 115.37 9 37 47 1371.5 -9.50 19.74
 90.00 14 7 21 5340.12 27.61 243.23 33.32 83.45 19 36 21 4740.1 26.42 234.77
 100.00 10 20 30 1727.63 -14.26 8.10 32.06 116.55 10 49 18 1127.6 -10.59 1.24
 100.00 19 34 27 5059.20 28.98 222.38 39.13 82.32 20 58 46 4459.2 27.61 213.84
 110.00 11 15 43 1554.75 -17.52 353.16 30.25 119.83 11 41 37 954.7 -13.42 346.45
 110.00 20 55 44 4804.84 32.63 202.37 38.44 79.18 22 15 49 4204.8 30.79 193.63

DIFFERENTIAL CORRECTIONS

TDE .8953 TRA-1.8563 TC3 -.0366 BAW .0818
 RDE -.2440 RRA -.2748 RC3 .1848 FAU .02396
 FDE-1.0668 FRA 1.4711 FC3 -.6387 BSP 6777
 BDE .9279 BRA 1.8765 BC3 .1884 FSP -475

MID-COURSE EXECUTION ACCURACY

SGT 2106.4 SGR 428.9 SG3 171.9
 RRT .3399 RRF -.3699 RTF -.9088
 SGB 2149.6 R23 -.0524 R13 -.9096
 SGI 2111.6 SG2 402.4 TMA 4.11

ORBIT DETERMINATION ACCURACY

ST 1066.0 SR 259.5 SS 1028.3
 CRT -.6235 CRS -.7435 CST .9860
 LSA 1486.8 MSA 224.4 SSA 16.6
 EL1 1078.7 EL2 200.5 ALF 171.06

LAUNCH DATE MAY 4 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 288.951

RL 150.84 LAL .00 LOL 222.86 VL 25.728 GAL 8.19 AZL 93.76 MCA 116.27 SMA 120.89 ECC .28357 INC 3.7558 V1 29.539
 RP 108.86 LAP -3.37 LOP 339.18 VP 36.614 GAP -15.48 AZP 88.34 TAL 158.03 TAP 274.30 RCA 86.61 APO 155.17 V2 34.812
 RC 42.900 GL -17.65 GP 7.58 ZAL 53.97 ZAP 8.04 ETS 290.06 ZAE 160.41 ETE 84.47 ZAC 106.17 ETC 17.85 CLP -2.67

PLANETOCENTRIC CONIC

C3 30.279 VHL 5.503 DLA -12.63 RAL 164.68 RAD 6568.2 VEL 12.315 PTH 2.22 VMP 9.754 CPA 19.28 RAP 162.44 ECC 1.4983
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 12 52 1913.01 -11.29 23.22 31.01 116.14 9 44 45 1313.0 -7.69 16.40
 90.00 17 54 53 5363.30 27.78 244.91 37.97 84.27 19 24 16 4763.3 26.70 236.41
 100.00 10 27 42 1671.56 -12.53 4.83 30.37 117.36 10 55 34 1071.6 -8.77 358.07
 100.00 19 22 44 5079.97 29.16 223.90 37.80 83.10 20 47 24 4480.0 27.90 215.32
 110.00 11 21 17 1503.77 -15.77 350.25 28.51 120.73 11 46 21 903.8 -11.58 343.65
 110.00 20 45 39 4820.53 32.82 203.56 37.16 79.86 22 5 59 4220.5 31.07 194.77

DIFFERENTIAL CORRECTIONS

TDE .9098 TRA-1.8317 TC3 -.0026 BAW .0825
 RDE -.2096 RRA -.2698 RC3 .2039 FAU .02529
 FDE-1.1476 FRA 1.5270 FC3 -.7231 BSP 7007
 BDE .9336 BRA 1.8514 BC3 .2039 FSP -523

MID-COURSE EXECUTION ACCURACY

SGT 2172.0 SGR 425.3 SG3 187.6
 RRT .3847 RRF -.4189 RTF -.9147
 SGB 2213.2 R23 -.0599 R13 -.9156
 SGI 2178.3 SG2 391.4 TMA 4.45

ORBIT DETERMINATION ACCURACY

ST 1114.1 SR 234.8 SS 1088.2
 CRT -.5967 CRS -.7203 CST .9861
 LSA 1559.7 MSA 217.8 SSA 16.4
 EL1 1123.1 EL2 186.9 ALF 172.63

LAUNCH DATE MAY 4 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 295.688

RL 150.84 LAL .00 LOL 222.86 VL 25.874 GAL 7.84 AZL 93.89 MCA 119.44 SMA 121.73 ECC .27333 INC 3.8884 V1 29.539
 RP 108.84 LAP -3.39 LOP 342.35 VP 36.723 GAP -14.68 AZP 88.09 TAL 157.90 TAP 277.34 RCA 88.46 APO 155.00 V2 34.819
 RC 43.133 GL -19.06 GP 8.25 ZAL 54.38 ZAP 9.27 ETS 297.84 ZAE 159.30 ETE 76.80 ZAC 104.46 ETC 17.58 CLP -4.24

PLANETOCENTRIC CONIC

C3 28.335 VHL 5.523 DLA -13.89 RAL 164.03 RAD 6568.1 VEL 12.236 PTH 2.20 VMP 9.303 CPA 19.29 RAP 164.25 ECC 1.4663
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 21 14 1852.91 -9.47 19.75 29.38 116.81 9 52 7 1252.9 -5.80 12.99
 90.00 17 41 18 5390.19 27.95 246.86 36.63 85.24 19 11 8 4790.2 26.99 238.32
 100.00 10 35 14 1614.15 -10.71 1.54 28.72 118.07 11 2 9 1014.1 -6.88 354.85
 100.00 19 9 59 5104.19 29.34 225.67 36.48 84.02 20 35 3 4504.2 28.20 217.05
 110.00 11 27 1 1451.95 -13.95 347.34 26.83 121.53 11 51 13 852.0 -9.67 340.85
 110.00 20 34 41 4839.14 33.03 204.96 35.90 80.67 21 55 20 4239.1 31.39 196.12

DIFFERENTIAL CORRECTIONS

TDE .9265 TRA-1.8043 TC3 .0353 BAW .0861
 RDE -.1743 RRA -.2669 RC3 .2246 FAU .02674
 FDE-1.2392 FRA 1.5863 FC3 -.8172 BSP 7232
 BDE .9428 BRA 1.8240 BC3 .2274 FSP -576

MID-COURSE EXECUTION ACCURACY

SGT 2235.7 SGR 424.2 SG3 205.0
 RRT .4365 RRF -.4753 RTF -.9203
 SGB 2275.6 R23 -.0685 R13 -.9214
 SGI 2243.6 SG2 380.3 TMA 4.87

ORBIT DETERMINATION ACCURACY

ST 1164.0 SR 207.6 SS 1153.2
 CRT -.5535 CRS -.6820 CST .9863
 LSA 1638.0 MSA 211.2 SSA 16.2
 EL1 1169.7 EL2 172.1 ALF 174.24

LAUNCH DATE MAY 4 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 302.422

RL 150.84 LAL .00 LOL 222.86 VL 26.010 GAL 7.51 AZL 94.03 MCA 122.60 SMA 122.52 ECC .26373 INC 4.0295 V1 29.539
 RP 108.81 LAP -3.39 LOP 345.53 VP 36.826 GAP -13.91 AZP 87.83 TAL 157.81 TAP 280.42 RCA 90.21 APO 154.84 V2 34.826
 RC 43.534 GL -20.56 GP 9.00 ZAL 54.88 ZAP 10.73 ETS 303.65 ZAE 157.87 ETE 70.28 ZAC 102.77 ETC 17.33 CLP -5.86

PLANETOCENTRIC CONIC

C3 26.632 VHL 5.161 DLA -15.21 RAL 163.28 RAD 6568.1 VEL 12.166 PTH 2.18 VMP 8.871 CPA 19.39 RAP 166.06 ECC 1.4383
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 30 10 1790.86 -7.55 16.21 27.82 117.37 10 0 1 1190.9 -3.82 9.51
 90.00 17 26 26 5421.40 28.10 249.13 35.30 86.37 18 56 47 4821.4 27.30 240.55
 100.00 10 43 14 1555.13 -8.80 358.20 27.14 118.68 11 9 9 955.1 -4.91 351.58
 100.00 18 56 4 5132.36 29.52 227.75 35.18 85.10 20 21 36 4532.4 28.53 219.08
 110.00 11 33 1 1399.20 -12.05 344.43 25.20 122.23 11 56 20 799.2 -7.71 338.03
 110.00 20 22 46 4861.05 33.26 206.63 34.67 81.63 21 43 47 4261.1 31.75 197.73

DIFFERENTIAL CORRECTIONS

TDE .9457 TRA-1.7751 TC3 .0762 BAW .0920
 RDE -.1374 RRA -.2663 RC3 .2471 FAU .02833
 FDE-1.3434 FRA 1.6497 FC3 -.9208 BSP 7441
 BDE .9556 BRA 1.7949 BC3 .2585 FSP -634

MID-COURSE EXECUTION ACCURACY

SGT 2297.7 SGR 426.8 SG3 224.1
 RRT .4952 RRF -.5386 RTF -.9255
 SGB 2337.0 R23 -.0784 R13 -.9268
 SGI 2307.7 SG2 369.2 TMA 5.39

ORBIT DETERMINATION ACCURACY

ST 1215.7 SR 178.2 SS 1223.8
 CRT -.4791 CRS -.6146 CST .9865
 LSA 1722.0 MSA 204.7 SSA 15.9
 EL1 1218.7 EL2 156.1 ALF 175.91

LAUNCH DATE MAY 4 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 309.153

RL 150.84 LAL .00 LOL 222.86 VL 26.136 GAL 7.19 AZL 94.18 MCA 125.77 SMA 123.27 ECC .25474 INC 4.1411 V1 29.539
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.922 GAP -13.16 AZP 87.55 TAL 157.76 TAP 283.53 RCA 91.87 APO 154.67 V2 34.834
 RC 44.099 GL -22.14 GP 9.87 ZAL 55.48 ZAP 12.39 ETS 307.92 ZAE 156.21 ETE 64.91 ZAC 101.10 ETC 17.07 CLP -7.52

PLANETOCENTRIC CONIC

C3 25.157 VML 5.016 CLA -16.59 RAL 162.45 RAD 6568.0 VEL 12.105 PTH 2.17 VMP 8.456 DPA 19.61 RAP 167.87 ECC 1.4140
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 39 51 1726.42 -5.91 12.56 26.33 117.82 10 8 38 1126.4 -1.75 5.91
 90.00 17 10 5 5457.65 28.23 251.77 34.00 87.69 18 41 3 4857.6 27.61 243.16
 100.00 10 51 49 1494.22 -6.80 354.79 25.63 119.18 11 16 43 894.2 -2.86 348.22
 100.00 18 40 49 5165.08 29.69 230.17 33.91 86.36 20 6 54 4565.1 28.87 221.46
 110.00 11 39 20 1345.38 -10.08 341.51 23.64 122.84 12 1 45 745.4 -5.68 335.18
 110.00 20 9 47 4886.69 33.50 208.60 33.49 82.77 21 31 14 4286.7 32.14 199.63

DIFFERENTIAL CORRECTIONS

TOE .9682 TRA-1.7436 TC3 .1205 BAU .0999
 RDE -.0982 RRA -.2684 RC3 .2714 FAU .03006
 FDE-1.4628 FRA 1.7187 FC3-1.0345 BSP 7655
 BDE .9732 BRA 1.7641 BC3 .2969 FSP -698

MID-COURSE EXECUTION ACCURACY

SGT 2357.3 SGR 434.8 SG3 245.2
 RRT .5597 RRF -.6075 RTF -.9305
 SGB 2397.1 R23 -.0897 R13 -.9321
 SGI 2370.2 SG2 358.4 TMA 6.03

ORBIT DETERMINATION ACCURACY

ST 1269.7 SR 147.9 SS 1300.7
 CRT -.3420 CRS -.4873 CST .9869
 LSA 1812.8 MSA 198.4 SSA 15.5
 EL1 1270.7 EL2 138.8 ALF 177.69

LAUNCH DATE MAY 4 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 315.878

RL 150.84 LAL .00 LOL 222.86 VL 26.253 GAL 6.89 AZL 94.35 MCA 128.94 SMA 123.97 ECC .24634 INC 4.3453 V1 29.539
 RP 108.76 LAP -3.38 LOP 351.88 VP 37.013 GAP -12.43 AZP 87.27 TAL 157.73 TAP 286.67 RCA 93.43 APO 154.51 V2 34.842
 RC 44.820 GL -23.82 GP 10.87 ZAL 56.17 ZAP 14.23 ETS 311.02 ZAE 154.39 ETE 60.65 ZAC 99.45 ETC 16.83 CLP -9.24

PLANETOCENTRIC CONIC

C3 23.899 VML 4.889 CLA -18.03 RAL 161.52 RAD 6568.0 VEL 12.053 PTH 2.15 VMP 8.059 DPA 19.96 RAP 169.68 ECC 1.3933
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 50 33 1658.97 -3.36 8.78 24.95 118.13 10 18 12 1059.0 .43 2.14
 90.00 16 52 0 5499.90 28.31 254.86 32.73 89.23 18 23 40 4899.9 27.90 246.22
 100.00 11 1 13 1430.94 -4.68 351.28 24.21 119.56 11 25 4 830.9 -7.71 344.75
 100.00 18 24 1 5203.16 29.82 232.99 32.68 87.84 19 50 44 4603.2 29.20 224.24
 110.00 11 46 7 1290.27 -8.03 358.56 22.15 123.34 12 7 37 690.3 -3.59 332.28
 110.00 19 55 37 4916.59 33.73 210.90 32.36 84.12 21 17 33 4316.6 32.55 201.87

DIFFERENTIAL CORRECTIONS

TOE .9940 TRA-1.7103 TC3 .1659 BAU .1089
 RDE -.0558 RRA -.2736 RC3 .2979 FAU .03193
 FDE-1.5994 FRA 1.7877 FC3-1.1567 BSP 7858
 BDE .9956 BRA 1.7321 BC3 .3403 FSP -769

MID-COURSE EXECUTION ACCURACY

SGT 2414.0 SGR 450.4 SG3 268.4
 RRT .6273 RRF -.6790 RTF -.9352
 SGB 2455.7 R23 -.1026 R13 -.9371
 SGI 2430.8 SG2 348.3 TMA 6.82

ORBIT DETERMINATION ACCURACY

ST 1325.6 SR 120.8 SS 1384.2
 CRT -.0759 CRS -.2308 CST .9874
 LSA 1910.6 MSA 192.6 SSA 14.9
 EL1 1325.6 EL2 120.5 ALF 179.60

LAUNCH DATE MAY 4 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 322.595

RL 150.84 LAL .00 LOL 222.86 VL 26.360 GAL 6.61 AZL 94.53 MCA 132.11 SMA 124.63 ECC .23852 INC 4.5250 V1 29.539
 RP 108.74 LAP -3.36 LOP 355.05 VP 37.037 GAP -11.72 AZP 86.96 TAL 157.74 TAP 289.85 RCA 94.90 APO 154.36 V2 34.851
 RC 45.690 GL -25.60 GP 12.03 ZAL 56.95 ZAP 16.27 ETS 313.22 ZAE 152.48 ETE 57.37 ZAC 97.81 ETC 16.58 CLP -11.03

PLANETOCENTRIC CONIC

C3 22.851 VML 4.780 CLA -19.55 RAL 160.50 RAD 6567.9 VEL 12.010 PTH 2.14 VMP 7.681 DPA 20.48 RAP 171.51 ECC 1.3761
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 2 36 1587.50 -1.06 4.79 23.68 118.30 10 29 4 987.5 2.73 358.16
 90.00 16 31 46 5549.46 28.30 258.49 31.49 91.05 18 4 16 4949.5 28.15 249.82
 100.00 11 11 41 1364.59 -2.45 347.63 22.91 119.80 11 34 25 764.6 1.54 341.11
 100.00 18 5 23 5247.61 29.89 236.29 31.50 89.58 19 32 50 4647.6 29.51 227.51
 110.00 11 53 30 1233.56 -5.90 335.55 20.76 123.73 12 14 3 633.6 -1.43 329.32
 110.00 19 40 3 4951.40 33.94 213.60 31.30 85.70 21 2 35 4351.4 32.98 204.49

DIFFERENTIAL CORRECTIONS

TOE 1.0261 TRA-1.6728 TC3 .2159 BAU .1197
 RDE -.0087 RRA -.2824 RC3 .3269 FAU .03402
 FDE-1.7583 FRA 1.8604 FC3-1.2887 BSP 8108
 BDE 1.0262 BRA 1.6964 BC3 .3917 FSP -850

MID-COURSE EXECUTION ACCURACY

SGT 2466.2 SGR 476.2 SG3 293.7
 RRT .6947 RRF -.7491 RTF -.9399
 SGB 2511.7 R23 -.1162 R13 -.9423
 SGI 2488.7 SG2 339.5 TMA 7.79

ORBIT DETERMINATION ACCURACY

ST 1345.7 SR 108.7 SS 1476.1
 CRT .3715 CRS .2265 CST .9881
 LSA 2018.8 MSA 186.6 SSA 14.3
 EL1 1346.3 EL2 100.9 ALF 1.68

LAUNCH DATE MAY 4 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 329.303

RL 150.84 LAL .00 LOL 222.86 VL 26.459 GAL 6.35 AZL 94.72 MCA 135.28 SMA 125.25 ECC .23125 INC 4.7237 V1 29.539
 RP 108.71 LAP -3.32 LOP 358.23 VP 37.176 GAP -11.04 AZP 86.64 TAL 157.77 TAP 293.05 RCA 96.28 APO 154.21 V2 34.860
 RC 46.700 GL -27.49 GP 13.39 ZAL 57.83 ZAP 18.50 ETS 314.72 ZAE 150.49 ETE 54.97 ZAC 96.20 ETC 16.32 CLP -11.89

PLANETOCENTRIC CONIC

C3 22.011 VML 4.692 CLA -19.14 RAL 159.37 RAD 6567.9 VEL 11.975 PTH 2.13 VMP 7.324 DPA 21.19 RAP 173.36 ECC 1.3622
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 16 36 1510.47 1.43 .49 22.57 118.28 10 41 47 910.5 5.20 353.84
 90.00 16 8 48 5608.32 28.15 262.78 30.28 93.20 17 42 17 5008.3 28.30 254.12
 100.00 11 23 38 1294.12 -1.06 343.76 21.74 119.89 11 45 13 694.1 3.92 337.23
 100.00 17 44 27 5299.91 29.85 240.18 30.36 91.62 19 12 47 4699.9 29.76 231.37
 110.00 12 1 42 1174.83 -3.67 332.47 19.49 124.01 12 21 17 574.8 .82 326.26
 110.00 19 22 53 4991.96 34.11 216.75 30.32 87.56 20 46 5 4392.0 33.39 207.58

DIFFERENTIAL CORRECTIONS

TOE 1.0607 TRA-1.6354 TC3 .2612 BAU .1305
 RDE .0445 RRA -.2955 RC3 .3583 FAU .03617
 FDE-1.9398 FRA 1.9371 FC3-1.4228 BSP 8297
 BDE 1.0616 BRA 1.6618 BC3 .4434 FSP -936

MID-COURSE EXECUTION ACCURACY

SGT 2514.5 SGR 515.5 SG3 321.3
 RRT .7571 RRF -.8134 RTF -.9440
 SGB 2566.8 R23 -.1315 R13 -.9469
 SGI 2545.2 SG2 332.7 TMA 8.98

ORBIT DETERMINATION ACCURACY

ST 1445.9 SR 128.6 SS 1574.7
 CRT .7804 CRS .6799 CST .9888
 LSA 2133.9 MSA 181.8 SSA 13.6
 EL1 1449.4 EL2 80.2 ALF 3.98

LAUNCH DATE MAY 4 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC
 RL 150.84 LAL .00 LOL 222.86 VL 26.550 GAL 6.11 AZL 94.95 MCA 138.45 SMA 125.82 ECC .22451 INC 4.9461 VI - 29.539
 RP 108.68 LAP -3.28 LOP 1.41 VP 37.250 GAP -10.38 AZP 86.29 TAL 157.83 TAP 296.28 RCA 97.57 APO 154.07 V2 34.870
 RC 47.841 GL -29.49 GP 14.98 ZAL 58.81 ZAP 20.95 ETS 315.65 ZAE 148.44 ETE 53.37 ZAC 94.60 ETC 16.05 CLP -14.82

PLANETOCENTRIC CONIC
 C3 21.382 VHL 4.624 DLA -22.81 RAL 158.14 RAD 6567.9 VEL 11.948 PTH 2.13 VMP 6.989 DPA 22.14 RAP 175.25 ECC 1.3519
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 33 30 1425.11 4.17 355.72 21.67 118.03 10 57 15 825.1 7.89 349.01
 90.00 15 42 7 5679.69 27.77 267.97 29.07 95.77 17 16 46 5079.7 28.28 259.34
 100.00 11 37 44 1217.77 2.53 339.57 20.76 119.80 11 58 2 617.8 6.48 333.01
 100.00 17 20 33 5362.26 29.64 244.80 29.25 94.05 18 49 56 4762.3 29.89 236.01
 110.00 12 11 1 1113.41 -1.32 329.26 18.36 124.16 12 29 34 513.4 3.17 323.05
 110.00 19 3 46 5039.39 34.18 220.46 29.43 89.75 20 27 45 4439.4 33.77 211.24

DIFFERENTIAL CORRECTIONS
 TOE 1.0995 TRA-1.5966 TC3 .3015 BAU .1415
 RDE .1065 RRA -.3138 RC3 .3924 FAU .03838
 FDE-2.1482 FRA 2.0153 FC3-1.5541 BSP 8460
 BDE 1.1047 BRA 1.6271 BC3 .4949 FSP -1027

MID-COURSE EXECUTION ACCURACY
 SGT 2557.4 SGR 571.8 SG3 350.9
 RRT .8111 RRF -.8679 RTF -.9477
 SGB 2620.5 R23 -.1475 R13 -.9514
 SGI 2599.8 SG2 329.0 TMA 10.45

ORBIT DETERMINATION ACCURACY
 ST 1506.9 SR 183.1 SS 1680.7
 CRT .9469 CRS .8916 CST .9894
 LSA 2257.8 MSA 177.9 SSA 12.7
 EL1 1516.9 EL2 58.5 ALF 6.57

LAUNCH DATE MAY 4 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC
 RL 150.84 LAL .00 LOL 222.86 VL 26.634 GAL 5.88 AZL 95.20 MCA 141.63 SMA 126.35 ECC .21828 INC 5.1984 VI 29.539
 RP 108.64 LAP -3.22 LOP 4.60 VP 37.320 GAP -9.73 AZP 85.92 TAL 157.90 TAP 299.53 RCA 98.77 APO 153.93 V2 34.881
 RC 49.103 GL -31.61 GP 16.87 ZAL 59.89 ZAP 23.66 ETS 316.13 ZAE 146.33 ETE 52.50 ZAC 93.01 ETC 15.76 CLP -16.84

PLANETOCENTRIC CONIC
 C3 20.975 VHL 4.580 DLA -24.58 RAL 156.80 RAD 6567.9 VEL 11.931 PTH 2.12 VMP 6.678 DPA 23.38 RAP 177.20 ECC 1.3452
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 55 9 1325.81 7.32 350.12 21.09 117.43 11 17 14 725.8 10.94 343.31
 90.00 15 9 45 5769.74 26.98 274.44 27.81 98.93 16 45 55 5169.7 27.94 265.91
 100.00 11 55 4 1132.36 5.41 334.86 20.04 119.44 12 13 56 532.4 9.29 328.22
 100.00 16 52 31 5438.42 29.14 250.41 28.15 96.96 18 23 9 4838.4 29.80 241.66
 110.00 12 21 53 1048.24 1.17 325.86 17.41 124.17 12 39 22 448.2 5.64 319.63
 110.00 18 42 11 5095.32 34.11 224.82 28.62 92.33 20 7 6 4495.3 34.06 215.58

DIFFERENTIAL CORRECTIONS
 TOE 1.1479 TRA-1.5529 TC3 .3427 BAU .1542
 RDE .1807 RRA -.3376 RC3 .4299 FAU .04076
 FDE-2.3907 FRA 2.0892 FC3-1.6825 BSP 8701
 BDE 1.1620 BRA 1.5891 BC3 .5498 FSP -1131

MID-COURSE EXECUTION ACCURACY
 SGT 2593.1 SGR 649.6 SG3 382.3
 RRT .8552 RRF -.9108 RTF -.9515
 SGB 2673.3 R23 -.1615 R13 -.9562
 SGI 2652.9 SG2 329.1 TMA 12.28

ORBIT DETERMINATION ACCURACY
 ST 1572.6 SR 265.8 SS 1796.2
 CRT .9905 CRS .9629 CST .9903
 LSA 2395.8 MSA 173.6 SSA 11.8
 EL1 1594.5 EL2 36.1 ALF 9.51

LAUNCH DATE MAY 4 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC
 RL 150.84 LAL .00 LOL 222.86 VL 26.710 GAL 5.66 AZL 95.49 MCA 144.80 SMA 126.84 ECC .21254 INC 5.4888 VI 29.539
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.384 GAP -9.10 AZP 85.51 TAL 157.99 TAP 302.79 RCA 99.88 APO 153.80 V2 34.891
 RC 50.476 GL -33.87 GP 19.11 ZAL 61.07 ZAP 26.67 ETS 316.21 ZAE 144.09 ETE 52.30 ZAC 91.43 ETC 15.44 CLP -18.96

PLANETOCENTRIC CONIC
 C3 20.812 VHL 4.562 DLA -26.45 RAL 155.33 RAD 6567.8 VEL 11.924 PTH 2.12 VMP 6.396 DPA 24.98 RAP 179.26 ECC 1.3425
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 26 27 1197.48 11.27 342.75 21.04 116.15 11 46 24 597.5 14.69 335.75
 90.00 14 26 44 606.31 25.37 305.30 26.30 103.03 14 36 50 6.3 26.91 296.97
 100.00 12 17 58 1031.10 8.76 329.21 19.71 118.69 12 35 9 431.1 12.52 322.45
 100.00 16 17 54 5535.96 28.13 257.48 26.95 100.54 17 50 10 4936.0 29.30 248.87
 110.00 12 35 1 977.57 5.86 322.16 16.72 123.99 12 51 19 377.6 8.30 315.89
 110.00 18 17 20 5162.25 33.81 230.03 27.88 95.40 19 43 23 4562.2 34.18 220.80

DIFFERENTIAL CORRECTIONS
 TOE 1.2000 TRA-1.5107 TC3 .3690 BAU .1661
 RDE .2713 RRA -.3688 RC3 .4694 FAU .04292
 FDE-2.6645 FRA 2.1600 FC3-1.7855 BSP 8855
 BDE 1.2303 BRA 1.5551 BC3 .5971 FSP -1234

MID-COURSE EXECUTION ACCURACY
 SGT 2622.1 SGR 753.1 SG3 414.7
 RRT .8882 RRF -.9422 RTF -.9546
 SGB 2728.1 R23 -.1745 R13 -.9607
 SGI 2707.5 SG2 335.1 TMA 14.54

ORBIT DETERMINATION ACCURACY
 ST 1635.7 SR 374.6 SS 1916.6
 CRT .9992 CRS .9867 CST .9910
 LSA 2541.6 MSA 171.2 SSA 10.7
 EL1 1678.0 EL2 14.6 ALF 12.89

LAUNCH DATE MAY 4 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC
 RL 150.84 LAL .00 LOL 222.86 VL 26.780 GAL 5.47 AZL 95.83 MCA 147.98 SMA 127.30 ECC .20728 INC 5.8290 VI 29.539
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.445 GAP -8.49 AZP 85.05 TAL 158.10 TAP 306.08 RCA 100.91 APO 153.68 V2 34.903
 RC 51.950 GL -36.28 GP 21.80 ZAL 62.36 ZAP 30.02 ETS 315.97 ZAE 141.68 ETE 52.72 ZAC 89.83 ETC 15.06 CLP -21.17

PLANETOCENTRIC CONIC
 C3 20.933 VHL 4.575 DLA -28.44 RAL 153.72 RAD 6567.9 VEL 11.929 PTH 2.12 VMP 6.149 DPA 27.00 RAP 181.48 ECC 1.3445
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 87.29 12 27 21 977.20 19.44 330.40 23.03 111.17 12 43 39 377.2 22.14 322.77
 92.71 13 12 59 829.35 19.45 319.59 23.04 111.16 13 26 48 229.3 22.16 311.95
 100.00 12 53 17 893.05 13.16 321.33 20.11 117.08 13 8 10 293.0 16.69 314.32
 100.00 15 29 45 5676.78 25.98 267.38 25.37 105.33 17 4 22 5076.8 27.83 259.07
 110.00 12 51 39 898.16 6.87 317.98 16.38 123.57 13 6 38 298.2 11.24 311.61
 110.00 17 47 52 5244.43 33.10 236.34 27.14 99.07 19 15 16 4644.4 34.00 227.21

DIFFERENTIAL CORRECTIONS
 TOE 1.2649 TRA-1.4638 TC3 .3895 BAU .1798
 RDE .3856 RRA -.4077 RC3 .5111 FAU .04494
 FDE-2.9773 FRA 2.2148 FC3-1.8585 BSP 9085
 BDE 1.3224 BRA 1.5195 BC3 .6426 FSP -1342

MID-COURSE EXECUTION ACCURACY
 SGT 2642.3 SGR 888.3 SG3 446.8
 RRT .9126 RRF -.9638 RTF -.9578
 SGB 2787.6 R23 -.1818 R13 -.9656
 SGI 2765.9 SG2 346.9 TMA 17.34

ORBIT DETERMINATION ACCURACY
 ST 1703.0 SR 513.6 SS 2043.9
 CRT .9993 CRS .9951 CST .9919
 LSA 2704.3 MSA 168.4 SSA 9.7
 EL1 1778.7 EL2 17.9 ALF 16.77

LAUNCH DATE MAY 4 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 362.656

RL 150.84 LAL .00 LOL 222.86 VL 26.843 GAL 5.29 AZL 96.24 MCA 151.15 SMA 127.71 ECC .20247 INC 6.2357 V1 29.539
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.501 GAP -7.90 AZP 84.53 TAL 158.21 TAP 309.37 RCA 101.86 APO 153.57 V2 34.914
 RC 55.515 GL -38.87 GP 25.05 ZAL 63.77 ZAP 33.81 ETS 315.44 ZAE 138.96 ETE 53.72 ZAC 88.22 ETC 14.60 CLP -23.48

PLANETOCENTRIC CONIC

C3 21.402 VHL 4.626 CLA -30.56 RAL 151.94 RAD 6567.9 VEL 11.949 PTM 2.13 VMP 5.946 DPA 29.54 RAP 183.95 ECC 1.3522
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.01 11 6 46 1218.62 20.67 348.77 22.20 113.02 11 27 4 618.6 23.61 341.15
 101.99 14 19 23 5886.64 20.68 280.99 22.21 113.01 15 57 30 5286.6 23.62 273.37
 78.01 11 6 46 1218.62 20.67 348.77 22.20 113.02 11 27 4 618.6 23.61 341.15
 101.99 14 19 23 5886.64 20.68 280.99 22.21 113.01 15 57 30 5286.6 23.62 273.37
 110.00 13 14 29 802.67 10.43 312.88 16.59 122.74 13 27 52 202.7 14.67 306.35
 110.00 17 10 50 5350.59 31.68 244.29 26.25 103.57 18 40 1 4750.6 33.22 235.40

DIFFERENTIAL CORRECTIONS

TOE 1.3467 TRA-1.4105 TC3 .4061 BAU .1966
 RDE .5337 RRA -.4547 RC3 .5543 FAU .04670
 FDE-3.3290 FRA 2.2394 FC3-1.8891 BSP 9456
 BDE 1.4486 BRA 1.4820 BC3 .6872 FSP -1456

MID-COURSE EXECUTION ACCURACY

SGT 2655.0 SGR 1061.9 SG3 476.6
 RRT .9306 RRF -.9779 RTF -.9613
 SGB 2857.6 R23 -.1806 R13 -.9712
 SGI 2834.3 SG2 363.7 THA 20.79

ORBIT DETERMINATION ACCURACY

ST 1775.5 SR 689.7 SS 2175.7
 CRT .9980 CRS .9983 CST .9928
 LSA 2886.9 MSA 164.8 SSA 8.6
 EL1 1904.3 EL2 40.7 ALF 21.20

LAUNCH DATE MAY 4 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 369.279

RL 150.84 LAL .00 LOL 222.86 VL 26.901 GAL 5.12 AZL 96.73 MCA 154.33 SMA 128.10 ECC .19809 INC 6.7339 V1 29.539
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.553 GAP -7.32 AZP 83.93 TAL 158.33 TAP 312.66 RCA 102.72 APO 153.47 V2 34.926
 RC 55.163 GL -41.67 GP 28.99 ZAL 65.33 ZAP 38.10 ETS 314.68 ZAE 135.80 ETE 55.23 ZAC 86.55 ETC 14.01 CLP -25.88

PLANETOCENTRIC CONIC

C3 22.334 VHL 4.726 CLA -32.83 RAL 149.96 RAD 6567.9 VEL 11.988 PTM 2.14 VMP 5.802 DPA 32.70 RAP 186.81 ECC 1.3676
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.64 10 21 54 1344.70 21.82 358.87 21.59 115.17 10 44 19 744.7 25.02 351.50
 107.36 14 48 23 5781.14 21.83 273.54 21.60 115.15 16 24 44 5181.1 25.04 265.97
 72.64 10 21 54 1344.70 21.82 358.87 21.59 115.17 10 44 19 744.7 25.02 351.50
 107.36 14 48 23 5781.14 21.83 273.54 21.60 115.15 16 24 44 5181.1 25.04 265.97
 110.00 13 52 12 666.15 15.34 305.35 17.95 120.93 14 3 19 66.1 19.33 298.50
 110.00 16 17 15 5507.69 28.62 255.49 24.68 109.54 17 49 3 4907.7 31.01 247.10

DIFFERENTIAL CORRECTIONS

TOE 1.4573 TRA-1.3451 TC3 .4246 BAU .2190
 RDE .7316 RRA -.5078 RC3 .5980 FAU .04812
 FDE-3.7184 FRA 2.2089 FC3-1.8654 BSP 10141
 BDE 1.6306 BRA 1.4377 BC3 .7335 FSP -1581

MID-COURSE EXECUTION ACCURACY

SGT 2655.0 SGR 1281.8 SG3 500.7
 RRT .9449 RRF -.9867 RTF -.9656
 SGB 2948.2 R23 -.1682 R13 -.9776
 SGI 2923.5 SG2 380.9 THA 24.98

ORBIT DETERMINATION ACCURACY

ST 1860.3 SR 913.9 SS 2310.4
 CRT .9971 CRS .9994 CST .9940
 LSA 3099.8 MSA 158.7 SSA 7.5
 EL1 2071.7 EL2 62.6 ALF 26.12

LAUNCH DATE MAY 4 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 375.890

RL 150.84 LAL .00 LOL 222.86 VL 26.953 GAL 4.97 AZL 97.36 MCA 157.51 SMA 128.44 ECC .19415 INC 7.3627 V1 29.539
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.602 GAP -6.76 AZP 83.19 TAL 158.44 TAP 315.95 RCA 103.51 APO 153.38 V2 34.938
 RC 56.885 GL -44.70 GP 33.77 ZAL 67.04 ZAP 42.98 ETS 313.72 ZAE 131.99 ETE 57.10 ZAC 84.79 ETC 13.22 CLP -28.35

PLANETOCENTRIC CONIC

C3 25.929 VHL 4.892 CLA -35.28 RAL 147.71 RAD 6568.0 VEL 12.054 PTM 2.15 VMP 5.742 DPA 36.59 RAP 190.29 ECC 1.3938
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 68.01 9 44 55 1447.07 22.80 7.38 21.25 117.69 10 9 2 847.1 26.32 359.89
 111.99 15 7 27 5712.40 22.81 268.71 21.26 117.68 16 42 40 5112.4 26.33 261.23
 68.01 9 44 55 1447.07 22.80 7.38 21.25 117.69 10 9 2 847.1 26.32 359.89
 111.99 15 7 27 5712.40 22.81 268.71 21.26 117.68 16 42 40 5112.4 26.33 261.23
 68.01 9 44 55 1447.07 22.80 7.38 21.25 117.69 10 9 2 847.1 26.32 359.89
 111.99 15 7 27 5712.40 22.81 268.71 21.26 117.68 16 42 40 5112.4 26.33 261.23

DIFFERENTIAL CORRECTIONS

TOE 1.5315 TRA-1.3407 TC3 .3176 BAU .2177
 RDE .9821 RRA -.5869 RC3 .6020 FAU .04440
 FDE-4.0341 FRA 2.1982 FC3-1.6066 BSP 9419
 BDE 1.8194 BRA 1.4635 BC3 .6806 FSP -1512

MID-COURSE EXECUTION ACCURACY

SGT 2648.6 SGR 1542.5 SG3 509.3
 RRT .9464 RRF -.9918 RTF -.9628
 SGB 3065.0 R23 -.1705 R13 -.9799
 SGI 3034.0 SG2 434.9 THA 29.53

ORBIT DETERMINATION ACCURACY

ST 1844.4 SR 1177.9 SS 2390.8
 CRT .9954 CRS .9998 CST .9935
 LSA 3259.7 MSA 170.4 SSA 6.5
 EL1 2220.2 EL2 95.4 ALF 31.96

LAUNCH DATE MAY 4 1967

FLIGHT TIME 148.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 382.475

RL 150.84 LAL .00 LOL 222.86 VL 26.999 GAL 4.84 AZL 98.19 MCA 160.69 SMA 128.76 ECC .19059 INC 8.1869 V1 29.539
 RP 108.43 LAP -2.70 LOP 23.72 VP 37.647 GAP -6.21 AZP 82.27 TAL 158.56 TAP 319.24 RCA 104.22 APO 153.30 V2 34.951
 RC 58.673 GL -48.03 GP 39.59 ZAL 68.97 ZAP 48.56 ETS 312.59 ZAE 127.28 ETE 59.15 ZAC 82.91 ETC 12.10 CLP -30.82

PLANETOCENTRIC CONIC

C3 26.550 VHL 5.153 CLA -37.93 RAL 145.10 RAD 6568.1 VEL 12.162 PTM 2.18 VMP 5.807 DPA 41.28 RAP 194.77 ECC 1.4369
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.63 9 11 11 1541.65 23.47 15.41 21.22 120.69 9 36 52 941.7 27.36 8.08
 116.37 15 20 21 5669.07 23.48 265.63 21.23 120.68 16 54 50 5069.1 27.37 258.30
 63.63 9 11 11 1541.65 23.47 15.41 21.22 120.69 9 36 52 941.7 27.36 8.08
 116.37 15 20 21 5669.07 23.48 265.63 21.23 120.68 16 54 50 5069.1 27.37 258.30
 63.63 9 11 11 1541.65 23.47 15.41 21.22 120.69 9 36 52 941.7 27.36 8.08
 116.37 15 20 21 5669.07 23.48 265.63 21.23 120.68 16 54 50 5069.1 27.37 258.30

DIFFERENTIAL CORRECTIONS

TOE 1.7034 TRA-1.2852 TC3 .2873 BAU .2378
 RDE 1.3427 RRA -.6360 RC3 .6053 FAU .04145
 FDE-4.3702 FRA 2.0301 FC3-1.3517 BSP 10135
 BDE 2.1690 BRA 1.4429 BC3 .6700 FSP -1523

MID-COURSE EXECUTION ACCURACY

SGT 2637.8 SGR 1863.7 SG3 501.9
 RRT .9536 RRF -.9949 RTF -.9660
 SGB 3229.8 R23 -.1467 R13 -.9856
 SGI 3196.4 SG2 462.9 THA 34.81

ORBIT DETERMINATION ACCURACY

ST 1970.6 SR 1518.7 SS 2475.8
 CRT .9954 CRS 1.0000 CST .9945
 LSA 3505.9 MSA 167.1 SSA 5.5
 EL1 2485.2 EL2 115.5 ALF 37.59

LAUNCH DATE MAY 4 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC
 RL 150.84 LAL .00 LOL 222.86 VL 27.041 GAL 4.72 AZL 99.32 MCA 163.86 SMA 129.04 ECC .18742 INC 9.3217 V1 29.539
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.689 GAP -5.67 AZP 81.04 TAL 158.66 TAP 322.52 RCA 104.85 APO 153.22 V2 34.964
 RC 60.521 GL -51.69 GP 46.60 ZAL 71.15 ZAP 54.88 ETS 311.27 ZAE 121.44 ETE 60.99 ZAC 80.84 ETC 10.39 CLP -33.14

PLANETOCENTRIC CONIC
 C3 30.947 VHL 5.563 DLA -40.77 RAL 141.99 RAD 6568.2 VEL 12.342 PTH 2.23 VMP 6.072 OPA 46.73 RAP 200.97 ECC 1.5093
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.34 8 38 33 1637.61 23.59 23.53 21.56 124.28 9 5 50 1037.6 27.91 16.47
 120.66 15 28 13 5649.66 23.60 264.08 21.57 124.27 9 5 50 5049.7 27.92 257.02
 59.34 8 38 33 1637.61 23.59 23.53 21.56 124.28 9 5 50 1037.6 27.91 16.47
 120.66 15 28 13 5649.66 23.60 264.08 21.57 124.27 17 2 23 5049.7 27.92 257.02
 59.34 8 38 33 1637.61 23.59 23.53 21.56 124.28 9 5 50 1037.6 27.91 16.47
 120.66 15 28 13 5649.66 23.60 264.08 21.57 124.27 17 2 23 5049.7 27.92 257.02

DIFFERENTIAL CORRECTIONS
 TDE 1.9487 TRA-1.2424 TC3 .2302 BAU .2518 SGT 2636.1 SGR 2227.1 SG3 466.9 ST 2070.0 SR 1921.4 SS 2504.0
 RDE 1.8435 RRA -.7211 RC3 .5635 FAU .03503 RRT .9587 RRF -.9966 RTF -.9688 CRT .9956 CRS 1.0000 CST .9954
 FDE 4.5811 FRA 1.7629 FC3 -.9798 BSP 10885 SGB 3450.9 R23 -.1212 R13 -.9903 LSA 3770.9 MSA 164.9 SSA 4.6
 BDE 2.6825 BRA 1.4365 BC3 .6087 FSP -1430 SG1 3416.1 SG2 488.6 TMA 39.99 EL1 2821.3 EL2 132.1 ALF 42.86

LAUNCH DATE MAY 4 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC
 RL 150.84 LAL .00 LOL 222.86 VL 27.078 GAL 4.62 AZL 101.00 MCA 167.03 SMA 129.29 ECC .18463 INC10.9952 V1 29.539
 RP 108.35 LAP -2.45 LOP 30.11 VP 37.727 GAP -5.15 AZP 79.28 TAL 158.74 TAP 325.76 RCA 105.42 APO 153.16 V2 34.977
 RC 62.420 GL -55.71 GP 54.92 ZAL 73.66 ZAP 61.87 ETS 309.45 ZAE 114.22 ETE 61.93 ZAC 78.52 ETC 7.48 CLP -34.89

PLANETOCENTRIC CONIC
 C3 38.825 VHL 6.231 DLA -43.77 RAL 138.19 RAD 6568.5 VEL 12.657 PTH 2.30 VMP 6.688 OPA 52.65 RAP 210.15 ECC 1.6390
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 55.11 8 5 41 1743.10 22.69 32.07 22.30 128.49 8 34 44 1143.1 27.51 25.43
 124.89 15 30 46 5658.60 22.70 264.15 22.32 128.48 17 5 5 5058.6 27.52 257.51
 55.11 8 5 41 1743.10 22.69 32.07 22.30 128.49 8 34 44 1143.1 27.51 25.43
 124.89 15 30 46 5658.60 22.70 264.15 22.32 128.48 17 5 5 5058.6 27.52 257.51
 55.11 8 5 41 1743.10 22.69 32.07 22.30 128.49 8 34 44 1143.1 27.51 25.43
 124.89 15 30 46 5658.60 22.70 264.15 22.32 128.48 17 5 5 5058.6 27.52 257.51

DIFFERENTIAL CORRECTIONS
 TDE 2.3622 TRA-1.2195 TC3 .1581 BAU .2518 SGT 2677.4 SGR 2596.3 SG3 399.1 ST 2221.5 SR 2360.9 SS 2452.1
 RDE 2.5482 RRA -.7548 RC3 .4587 FAU .02510 RRT .9631 RRF -.9975 RTF -.9726 CRT .9960 CRS 1.0000 CST .9963
 FDE 4.5784 FRA 1.3891 FC3 -.5598 BSP 11793 SGB 3729.5 R23 -.0959 R13 -.9938 LSA 4061.4 MSA 162.5 SSA 3.8
 BDE 3.4746 BRA 1.4342 BC3 .4852 FSP -1228 SG1 3694.9 SG2 506.4 TMA 44.09 EL1 3238.5 EL2 143.9 ALF 46.75

LAUNCH DATE MAY 4 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC
 RL 150.84 LAL .00 LOL 222.86 VL 27.111 GAL 4.54 AZL 103.73 MCA 170.18 SMA 129.52 ECC .18221 INC13.7254 V1 29.539
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.763 GAP -4.64 AZP 76.47 TAL 158.79 TAP 328.97 RCA 105.92 APO 153.11 V2 34.990
 RC 64.367 GL -59.99 GP 64.57 ZAL 76.59 ZAP 69.31 ETS 305.54 ZAE 105.42 ETE 59.98 ZAC 75.81 ETC 1.44 CLP -34.66

PLANETOCENTRIC CONIC
 C3 54.839 VHL 7.405 DLA -46.71 RAL 133.44 RAD 6569.0 VEL 13.274 PTH 2.43 VMP 7.991 OPA 58.10 RAP 224.54 ECC 1.9025
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.16 7 31 50 1868.16 19.98 41.12 23.39 133.15 8 2 58 1268.2 25.33 35.09
 128.84 15 26 39 5706.57 20.00 266.07 23.40 133.14 17 1 46 5106.6 25.34 260.04
 51.16 7 31 50 1868.16 19.98 41.12 23.39 133.15 8 2 58 1268.2 25.33 35.09
 128.84 15 26 39 5706.57 20.00 266.07 23.40 133.14 17 1 46 5106.6 25.34 260.04
 51.16 7 31 50 1868.16 19.98 41.12 23.39 133.15 8 2 58 1268.2 25.33 35.09
 128.84 15 26 39 5706.57 20.00 266.07 23.40 133.14 17 1 46 5106.6 25.34 260.04

DIFFERENTIAL CORRECTIONS
 TDE 3.2278 TRA-1.2493 TC3 .0765 BAU .2123 SGT 2870.0 SGR 2850.7 SG3 302.3 ST 2532.9 SR 2721.4 SS 2301.1
 RDE 3.5043 RRA -.6888 RC3 .2793 FAU .06240 RRT .9673 RRF -.9975 RTF -.9791 CRT .9966 CRS .9999 CST .9975
 FDE 4.2876 FRA .9527 FC3 -.1957 BSP 12836 SGB 4045.2 R23 -.0726 R13 -.9964 LSA 4369.3 MSA 160.9 SSA 2.9
 BDE 4.7643 BRA 1.4266 BC3 .2896 FSP -932 SG1 4011.9 SG2 517.5 TMA 44.80 EL1 3714.6 EL2 152.0 ALF 47.06

LAUNCH DATE MAY 4 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC
 RL 150.84 LAL .00 LOL 222.86 VL 27.140 GAL 4.48 AZL 108.98 MCA 173.29 SMA 129.71 ECC .18018 INC18.9815 V1 29.539
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.796 GAP -4.16 AZP 71.14 TAL 158.78 TAP 332.07 RCA 106.34 APO 153.08 V2 35.003
 RC 66.356 GL -63.97 GP 75.27 ZAL 80.06 ZAP 76.72 ETS 289.08 ZAE 94.68 ETE 44.42 ZAC 72.27 ETC 341.39 CLP -25.33

PLANETOCENTRIC CONIC
 C3 95.920 VHL 9.794 DLA -48.89 RAL 127.58 RAD 6569.9 VEL 14.740 PTH 2.67 VMP 10.911 OPA 60.85 RAP 246.60 ECC 2.5786
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 48.32 6 58 41 2023.01 14.28 50.13 24.75 137.28 7 32 24 1423.0 20.08 44.78
 131.68 15 13 5 5812.95 14.29 270.37 24.75 137.28 16 49 58 5213.0 20.09 265.02
 48.32 6 58 41 2023.01 14.28 50.13 24.75 137.28 7 32 24 1423.0 20.08 44.78
 131.68 15 13 5 5812.95 14.29 270.37 24.75 137.28 16 49 58 5213.0 20.09 265.02
 48.32 6 58 41 2023.01 14.28 50.13 24.75 137.28 7 32 24 1423.0 20.08 44.78
 131.68 15 13 5 5812.95 14.29 270.37 24.75 137.28 16 49 58 5213.0 20.09 265.02

DIFFERENTIAL CORRECTIONS
 TDE 5.8362 TRA-1.4225 TC3 -.0312 BAU .0810 SGT 3641.9 SGR 2367.5 SG3 194.6 ST 3435.3 SR 2358.2 SS 2075.0
 RDE 4.0298 RRA -.2125 RC3 .0549 FAU .00193 RRT .9605 RRF -.9878 RTF -.9914 CRT .9962 CRS .9990 CST .9991
 FDE 3.7536 FRA .5622 FC3 .0174 BSP 13578 SGB 4343.7 R23 -.0457 R13 -.9986 LSA 4651.8 MSA 170.8 SSA 1.7
 BDE 7.0923 BRA 1.4382 BC3 .0631 FSP -587 SG1 4307.9 SG2 556.7 TMA 32.59 EL1 4163.4 EL2 168.5 ALF 34.43

LAUNCH DATE MAY 4 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

RL 150.84 LAL .00 LOL 222.86 VL 27.165 GAL 4.47 AZL 122.84 MCA 176.26 SMA 129.88 ECC .17870 INC32.8432 V1 29.539
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.826 GAP -3.74 AZP 57.21 TAL 158.63 TAP 334.88 RCA 106.67 APO 153.09 V2 35.016
 RC 68.382 GL -64.55 GP 80.29 ZAL 84.05 ZAP 83.34 ETS 204.95 ZAE 79.83 ETE 320.55 ZAC 66.06 ETC 251.05 CLP 46.52

PLANETOCENTRIC CONIC

C3 264.586 VML 16.266 CLA -47.30 RAL 122.02 RAD 6571.5 VEL 19.644 PTM 3.12 VMP 19.185 DPA 55.97 RAP 274.66 ECC 5.3544
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 50.39 6 43 36 2182.66 5.18 55.72 27.21 137.08 7 19 58 1582.7 11.00 50.60
 129.61 14 43 51 719.38 5.19 301.46 27.23 137.08 14 55 50 119.4 11.02 296.34
 50.39 6 43 36 2182.66 5.18 55.72 27.21 137.08 7 19 58 1582.7 11.00 50.60
 129.61 14 43 51 719.38 5.19 301.46 27.23 137.08 14 55 50 119.4 11.02 296.34
 50.39 6 43 36 2182.66 5.18 55.72 27.21 137.08 7 19 58 1582.7 11.00 50.60
 129.61 14 43 51 719.38 5.19 301.46 27.23 137.08 14 55 50 119.4 11.02 296.34

DIFFERENTIAL CORRECTIONS

TOE 9.9707 TRA -0.0105 TC3 -.1487 BAU .8361
 RDE -7.2899 RRA 1.7617 RC3 .1838 FAU-.02075
 FDE -3.4337 FRA .3662 FC3 .0679 BSP 14054
 BDE 12.3514 BRA 1.7618 BC3 .2364 FSP -325

MID-COURSE EXECUTION ACCURACY

SGT 3545.3 SGR 2790.7 SG3 107.5
 RRT -.9412 RRF .9827 RTF -.9875
 SGB 4511.9 R23 -.0278 R13 .9996
 SGI 4448.9 SG2 751.1 TMA 142.20

ORBIT DETERMINATION ACCURACY

ST 3512.1 SR 2582.5 SS 2007.1
 CRT -.9944 CRS -.9982 CST .9989
 LSA 4794.2 MSA 221.2 SSA -.0
 EL1 4353.8 EL2 220.5 ALF 143.72

LAUNCH DATE MAY 4 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

RL 150.84 LAL .00 LOL 222.86 VL 27.186 GAL 3.91 AZL 1.76 MCA 181.87 SMA 130.03 ECC .17362 INC88.2514 V1 29.539
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.853 GAP -2.55 AZP 178.24 TAL 160.76 TAP 342.64 RCA 107.45 APO 152.61 V2 35.029
 RC 70.443 GL 43.32 GP -46.59 ZAL 87.93 ZAP 88.41 ETS 175.27 ZAE 56.99 ETE 57.91 ZAC 73.07 ETC 132.88 CLP 87.69

PLANETOCENTRIC CONIC

C31561.149 VML 39.511 CLA 56.27 RAL 159.65 RAD 6573.2 VEL 41.017 PTM 3.57 VMP 52.049 DPA -64.05 RAP 337.43 ECC26.6926
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 39.11 20 37 0 5032.64 1.28 238.20 70.52 33.74 22 0 53 4432.6 -5.37 234.16
 140.89 5 50 35 3410.59 1.30 107.16 70.50 33.74 6 47 25 2810.6 -5.35 103.13
 39.11 20 37 0 5032.64 1.28 238.20 70.52 33.74 22 0 53 4432.6 -5.37 234.16
 140.89 5 50 35 3410.59 1.30 107.16 70.50 33.74 6 47 25 2810.6 -5.35 103.13
 39.11 20 37 0 5032.64 1.28 238.20 70.52 33.74 22 0 53 4432.6 -5.37 234.16
 140.89 5 50 35 3410.59 1.30 107.16 70.50 33.74 6 47 25 2810.6 -5.35 103.13

DIFFERENTIAL CORRECTIONS

TOE -6.8516 TRA -2.9134 TC3 -.1402 BAU 5.8571
 RDE -6.8533 RRA -8.8697 RC3 -.2431 FAU-.11049
 FDE 1.8105 FRA 2.2196 FC3 .0613 BSP 11921
 BDE 9.6908 BRA 9.3360 BC3 .2806 FSP -239

MID-COURSE EXECUTION ACCURACY

SGT 1671.3 SGR 3169.0 SG3 69.1
 RRT .9210 RRF -.9999 RTF -.9266
 SGB 3582.7 R23 -.0681 R13 -.9977
 SGI 3534.8 SG2 583.9 TMA 63.31

ORBIT DETERMINATION ACCURACY

ST 1020.0 SR 1214.0 SS 1417.6
 CRT .9270 CRS .9997 CST .9362
 LSA 2101.4 MSA 328.2 SSA .6
 EL1 1557.3 EL2 298.1 ALF 50.35

LAUNCH DATE MAY 4 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

RL 150.84 LAL .00 LOL 222.86 VL 27.204 GAL 4.17 AZL 62.28 MCA 183.68 SMA 130.15 ECC .17438 INC27.7150 V1 29.539
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.878 GAP -2.47 AZP 117.67 TAL 159.52 TAP 343.20 RCA 107.46 APO 152.85 V2 35.042
 RC 72.534 GL 65.57 GP -81.63 ZAL 83.58 ZAP 85.88 ETS 126.92 ZAE 90.43 ETE 17.06 ZAC 96.40 ETC 86.79 CLP 60.48

PLANETOCENTRIC CONIC

C3 192.064 VML 13.859 CLA 67.10 RAL 204.97 RAD 6571.0 VEL 17.703 PTM 2.98 VMP 19.470 DPA -73.76 RAP 93.19 ECC 4.1609
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 26.23 23 6 8 4915.58 -9.40 241.75 110.97 23.23 24 28 4 4315.6 -16.73 238.89
 153.77 9 23 3 3182.20 -9.39 95.31 110.95 23.23 10 16 5 2582.2 -16.72 92.44
 26.23 23 6 8 4915.58 -9.40 241.75 110.97 23.23 24 28 4 4315.6 -16.73 238.89
 153.77 9 23 3 3182.20 -9.39 95.31 110.95 23.23 10 16 5 2582.2 -16.72 92.44
 26.23 23 6 8 4915.58 -9.40 241.75 110.97 23.23 24 28 4 4315.6 -16.73 238.89
 153.77 9 23 3 3182.20 -9.39 95.31 110.95 23.23 10 16 5 2582.2 -16.72 92.44

DIFFERENTIAL CORRECTIONS

TOE 1.1750 TRA -3.9982 TC3 -.1778 BAU .5120
 RDE 1.9759 RRA -1.8298 RC3 -.0902 FAU-.01014
 FDE -1.5040 FRA 1.1169 FC3 .0457 BSP 14647
 BDE 2.2989 BRA 4.3970 BC3 .1994 FSP -329

MID-COURSE EXECUTION ACCURACY

SGT 4304.2 SGR 2123.6 SG3 104.7
 RRT .9605 RRF -.9752 RTF -.9982
 SGB 4799.6 R23 -.0056 R13 -.9999
 SGI 4769.9 SG2 533.3 TMA 25.70

ORBIT DETERMINATION ACCURACY

ST 1364.0 SR 1003.8 SS 693.9
 CRT .8328 CRS .9126 CST .9864
 LSA 1769.9 MSA 465.8 SSA .7
 EL1 1628.3 EL2 465.4 ALF 34.75

LAUNCH DATE MAY 4 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

RL 150.84 LAL .00 LOL 222.86 VL 27.218 GAL 4.20 AZL 76.53 MCA 186.65 SMA 130.26 ECC .17377 INC13.4683 V1 29.539
 RP 108.10 LAP -1.55 LOP 49.32 VP 37.901 GAP -2.07 AZP 103.38 TAL 159.27 TAP 345.92 RCA 107.62 APO 152.89 V2 35.056
 RC 74.652 GL 60.99 GP -80.91 ZAL 77.50 ZAP 83.99 ETS 37.26 ZAE 103.91 ETE 290.13 ZAC 103.19 ETC 3.71 CLP -48.43

PLANETOCENTRIC CONIC

C3 52.263 VML 7.229 CLA 60.50 RAL 202.83 RAD 6568.9 VEL 13.177 PTM 2.41 VMP 10.832 DPA -63.07 RAP 118.26 ECC 1.8601
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 34.01 23 15 57 4612.27 -24.81 227.28 97.68 32.85 24 32 49 4012.3 -31.45 222.62
 145.99 8 56 12 2938.65 -24.80 89.77 97.66 32.85 9 45 11 2338.7 -31.44 85.11
 34.01 23 15 57 4612.27 -24.81 227.28 97.68 32.85 24 32 49 4012.3 -31.45 222.62
 145.99 8 56 12 2938.65 -24.80 89.77 97.66 32.85 9 45 11 2338.7 -31.44 85.11
 34.01 23 15 57 4612.27 -24.81 227.28 97.68 32.85 24 32 49 4012.3 -31.45 222.62
 145.99 8 56 12 2938.65 -24.80 89.77 97.66 32.85 9 45 11 2338.7 -31.44 85.11

DIFFERENTIAL CORRECTIONS

TOE 1.0350 TRA -.9909 TC3 .0272 BAU .2578
 RDE -.5757 RRA 2.7954 RC3 -.3680 FAU .01211
 FDE -.4715 FRA 1.3713 FC3 -.2007 BSP 15281
 BDE 1.2019 BRA 2.9527 BC3 .3690 FSP -629

MID-COURSE EXECUTION ACCURACY

SGT 1744.5 SGR 4553.6 SG3 195.0
 RRT -.9176 RRF .9977 RTF -.9401
 SGB 4876.4 R23 .0135 R13 .9996
 SGI 4832.4 SG2 653.6 TMA 109.74

ORBIT DETERMINATION ACCURACY

ST 953.9 SR 1424.9 SS 711.6
 CRT -.7366 CRS -.9824 CST .8500
 LSA 1767.4 MSA 568.3 SSA 1.6
 EL1 1617.9 EL2 568.2 ALF 120.39

LAUNCH DATE MAY 4 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 441.41R

RL 150.84 LAL .00 LOL 222.86 VL 27.230 GAL 4.21 AZL 81.88 MCA 189.77 SMA 130.34 ECC .17320 INC 8.1195 V1 29.559
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.921 GAP -1.63 AZP 98.00 TAL 159.12 TAP 348.90 RCA 107.76 APO 152.91 V2 35.069
 RC 76.795 GL 51.22 GP -72.58 ZAL 71.39 ZAP 83.64 ETS 21.17 ZAE 112.63 ETE 276.15 ZAC 106.90 ETC 354.01 CLP -68.28

PLANETOCENTRIC CONIC

C3 24.212 VHL 4.921 OLA 51.81 RAL 193.74 RAD 6568.0 VEL 12.066 PTH 2.16 VHP 7.653 OPA -55.08 RAP 126.74 ECC 1.3985
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 44.61 23 8 53 4359.22 -31.70 207.10 74.68 46.61 24 21 33 3759.2 -36.99 200.24
 135.39 7 50 41 2806.01 -31.69 83.76 74.67 46.60 8 37 27 2206.0 -36.98 76.90
 44.61 23 8 53 4359.22 -31.70 207.10 74.68 46.61 24 21 33 3759.2 -36.99 200.24
 135.39 7 50 41 2806.01 -31.69 83.76 74.67 46.60 8 37 27 2206.0 -36.98 76.90
 44.61 23 8 53 4359.22 -31.70 207.10 74.68 46.61 24 21 33 3759.2 -36.99 200.24
 135.39 7 50 41 2806.01 -31.69 83.76 74.67 46.60 8 37 27 2206.0 -36.98 76.90

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4970 TRA -.2217 TC3 -1.016 BAU .4001 SGT 720.7 SGR 4768.2 SG3 327.9 ST 592.2 SR 1408.9 SS 756.0
 RDE -.2377 RRA 2.4440 RC3-1.2319 FAU .02988 RRT -.5707 RRF .9992 RTF -.5891 CRT -.3992 CRS -.9940 CST .4974
 FDE -.2974 FRA 1.9275 FC3-1.0684 BSP 14946 SGB 4822.4 R23 .0122 R13 .9993 LSA 1619.0 MSA 534.8 SSA 2.5
 BDE .5510 BRA 2.4540 BC3 1.2361 FSP -1043 SGI 4786.2 SG2 589.5 TMA 95.01 EL1 1431.9 EL2 534.2 ALF 101.09

LAUNCH DATE MAY 4 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 447.787

RL 150.84 LAL .00 LOL 222.86 VL 27.239 GAL 4.23 AZL 84.64 MCA 192.94 SMA 130.40 ECC .17282 INC 5.3550 V1 29.539
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.940 GAP -1.19 AZP 95.22 TAL 158.98 TAP 351.92 RCA 107.86 APO 152.93 V2 35.082
 RC 78.958 GL 40.69 GP -65.65 ZAL 66.05 ZAP 84.74 ETS 12.72 ZAE 119.35 ETE 268.91 ZAC 109.86 ETC 351.53 CLP -77.17

PLANETOCENTRIC CONIC

C3 15.120 VHL 3.888 OLA 42.46 RAL 186.38 RAD 6567.6 VEL 11.684 PTH 2.05 VHP 6.079 OPA -48.35 RAP 130.94 ECC 1.2488
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 56.93 23 23 27 4137.78 -30.89 185.26 55.57 59.28 24 32 25 3537.8 -34.71 177.31
 123.07 6 37 28 2805.57 -30.88 83.00 55.56 59.27 7 24 14 2205.6 -34.70 75.05
 56.93 23 23 27 4137.78 -30.89 185.26 55.57 59.28 24 32 25 3537.8 -34.71 177.31
 123.07 6 37 28 2805.57 -30.88 83.00 55.56 59.27 7 24 14 2205.6 -34.70 75.05
 56.93 23 23 27 4137.78 -30.89 185.26 55.57 59.28 24 32 25 3537.8 -34.71 177.31
 123.07 6 37 28 2805.57 -30.88 83.00 55.56 59.27 7 24 14 2205.6 -34.70 75.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3137 TRA .0739 TC3 -.4482 BAU .4437 SGT 597.4 SGR 4660.6 SG3 482.5 ST 464.5 SR 1324.3 SS 843.4
 RDE -.1553 RRA 2.1753 RC3-2.1489 FAU .04813 RRT .4015 RRF .9991 RTF .3894 CRT -.0773 CRS -.9942 CST .1840
 FDE -.3026 FRA 2.5721 FC3-2.7557 BSP 14659 SGB 4698.7 R23 .0189 R13 .9990 LSA 1569.1 MSA 467.8 SSA 3.6
 BDE .3501 BRA 2.1765 BC3 2.1951 FSP -1546 SGI 4666.8 SG2 546.4 TMA 87.01 EL1 1324.8 EL2 462.9 ALF 91.77

LAUNCH DATE MAY 4 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 454.158

RL 150.84 LAL .00 LOL 222.86 VL 27.245 GAL 4.25 AZL 86.33 MCA 196.13 SMA 130.44 ECC .17266 INC 3.6651 V1 29.539
 RP 107.98 LAP -1.02 LOP 58.95 VP 37.956 GAP -.74 AZP 93.52 TAL 158.81 TAP 354.94 RCA 107.92 APO 152.96 V2 35.094
 RC 81.139 GL 30.94 GP -59.71 ZAL 61.90 ZAP 87.05 ETS 6.30 ZAE 124.75 ETE 262.54 ZAC 112.60 ETC 350.58 CLP -84.14

PLANETOCENTRIC CONIC

C3 11.414 VHL 3.379 OLA 53.59 RAL 181.13 RAD 6567.4 VEL 11.524 PTH 2.01 VHP 5.173 OPA -42.36 RAP 133.13 ECC 1.1879
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 71.13 0 18 47 3865.78 -26.46 160.54 42.60 68.51 1 23 13 3265.8 -29.14 152.44
 108.87 5 4 7 2956.10 -26.45 92.81 42.60 68.50 5 53 23 2356.1 -29.13 84.71
 71.13 0 18 47 3865.78 -26.46 160.54 42.60 68.51 1 23 13 3265.8 -29.14 152.44
 108.87 5 4 7 2956.10 -26.45 92.81 42.60 68.50 5 53 23 2356.1 -29.13 84.71
 110.00 5 59 9 2787.66 -30.23 81.21 44.09 73.23 6 45 37 2187.7 -32.23 72.56
 110.00 4 22 55 3082.21 -22.80 100.84 40.82 63.81 5 14 17 2482.2 -26.13 93.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1996 TRA .2929 TC3 -.9638 BAU .4571 SGT 945.7 SGR 4463.7 SG3 642.0 ST 383.4 SR 1254.5 SS 957.6
 RDE -.2030 RRA 1.9729 RC3-2.8365 FAU .06566 RRT .8355 RRF .9990 RTF .8295 CRT .2082 CRS -.9927 CST -.0886
 FDE -.4909 FRA 3.2281 FC3-4.9800 BSP 14237 SGB 4562.8 R23 .0296 R13 .9986 LSA 1576.9 MSA 388.9 SSA 5.0
 BDE .2847 BRA 1.9945 BC3 2.9957 FSP -2065 SGI 4534.0 SG2 511.6 TMA 79.83 EL1 1257.3 EL2 374.2 ALF 86.00

LAUNCH DATE MAY 4 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 460.520

RL 150.84 LAL .00 LOL 222.86 VL 27.249 GAL 4.29 AZL 87.48 MCA 199.33 SMA 130.47 ECC .17273 INC 2.5209 V1 29.539
 RP 107.94 LAP -.83 LOP 62.17 VP 37.970 GAP -.30 AZP 92.38 TAL 158.62 TAP 357.95 RCA 107.93 APO 153.00 V2 35.107
 RC 83.536 GL 22.53 GP -54.48 ZAL 58.94 ZAP 90.27 ETS 1.00 ZAE 129.07 ETE 256.01 ZAC 115.25 ETC 350.25 CLP -90.46

PLANETOCENTRIC CONIC

C3 9.732 VHL 3.120 OLA 25.81 RAL 177.40 RAD 6567.4 VEL 11.451 PTH 1.99 VHP 4.609 OPA -36.93 RAP 134.21 ECC 1.1602
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 11 0 3034.90 -27.78 98.96 35.76 84.25 5 1 35 2434.9 -28.28 90.33
 90.00 0 42 9 3722.38 -14.74 144.68 32.00 65.55 1 44 12 3122.4 -17.92 137.45
 100.00 5 58 30 2688.34 -29.77 73.63 35.93 87.11 6 43 18 2088.3 -29.85 64.83
 100.00 1 37 21 3544.18 -12.94 130.70 31.10 62.82 2 36 25 2944.2 -16.48 123.69
 110.00 7 54 6 2326.68 -34.03 46.14 35.91 93.42 8 32 52 1726.7 -33.18 37.01
 110.00 1 58 14 3478.59 -9.25 123.55 28.92 56.94 2 56 13 2878.6 -13.54 117.08

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0925 TRA .4899 TC3-1.5583 BAU .4626 SGT 1404.6 SGR 4210.1 SG3 791.5 ST 345.8 SR 1217.2 SS 1109.7
 RDE -.2799 RRA 1.8000 RC3-3.1959 FAU .08147 RRT .9337 RRF .9988 RTF .9297 CRT .5814 CRS -.9915 CST -.4709
 FDE -.8142 FRA 3.8360 FC3-7.2472 BSP 13830 SGB 4438.3 R23 .0422 R13 .9979 LSA 1654.3 MSA 309.8 SSA 6.6
 BDE .2948 BRA 1.8655 BC3 3.5556 FSP -2559 SGI 4412.2 SG2 480.0 TMA 72.48 EL1 1234.6 EL2 277.4 ALF 80.12

LAUNCH DATE MAY 4 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 466.869

RL 150.84 LAL .00 LOL 222.86 VL 27.250 GAL 4.34 AZL 88.31 MCA 202.54 SMA 130.48 ECC .17302 INC 1.6913 V1 29.539
 RP 107.91 LAP -.65 LOP 65.38 VP 37.983 GAP .14 AZP 91.56 TAL 158.39 TAP .93 RCA 107.90 APO 153.06 V2 35.119
 RC 85.546 GL 15.54 GP -49.75 ZAL 56.91 ZAP 94.15 ETS 356.56 ZAE 132.40 ETE 249.14 ZAC 117.82 ETC 350.33 CLP -96.44

PLANETOCENTRIC CONIC

C3 8.958 VML 2.993 CLA 19.25 RAL 174.74 RAD 6567.3 VEL 11.417 PTM 1.98 VMP 4.246 CPA -31.92 RAP 134.63 ECC 1.1474
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 33 51 2687.10 -27.54 73.63 29.75 96.87 6 18 38 2087.1 -26.30 65.18
 90.00 22 54 7 4037.87 -5.17 162.92 25.45 62.12 24 1 25 3437.9 -8.86 156.18
 100.00 7 7 7 2386.34 -28.70 51.33 29.57 98.75 7 46 54 1786.3 -27.19 42.85
 100.00 0 7 28 3813.86 -4.15 145.88 24.89 60.37 1 11 2 3213.9 -8.06 139.28
 110.00 8 41 9 2092.16 -31.63 28.81 28.89 103.69 9 16 1 1492.2 -29.43 19.80
 110.00 0 49 56 3680.81 -1.61 134.21 23.31 55.85 1 51 17 3080.8 -6.08 127.98

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0234 TRA .6767 TC3-2.1523 BAU .4685 SGT 1882.7 SGR 3918.4 SG3 920.2 ST 415.8 SR 1202.2 SS 1294.5
 RDE -.3481 RRA 1.6421 RC3-3.2667 FAU .03476 RRT .9648 RRF .9985 RTF .9617 CRT .8867 CRS -.9913 CST -.8184
 FDE -1.2151 FRA 4.3546 FC3-9.1580 BSP 13524 SGB 4347.3 R23 .0551 R13 .9970 LSA 1798.6 MSA 242.9 SSA 8.5
 BDE .3489 BRA 1.7761 BC3 3.9121 FSP -2996 SG1 4324.1 SG2 448.6 TMA 64.84 EL1 1258.8 EL2 183.6 ALF 72.57

LAUNCH DATE MAY 4 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 473.203

RL 150.84 LAL .00 LOL 222.86 VL 27.250 GAL 4.41 AZL 88.94 MCA 205.75 SMA 130.47 ECC .17354 INC 1.0584 V1 29.539
 RP 107.87 LAP -.46 LOP 68.60 VP 37.993 GAP .57 AZP 90.95 TAL 158.13 TAP 3.88 RCA 107.83 APO 153.12 V2 35.131
 RC 87.767 GL 9.83 GP -45.44 ZAL 55.53 ZAP 98.47 ETS 352.87 ZAE 134.80 ETE 242.00 ZAC 120.27 ETC 350.78 CLP -102.11

PLANETOCENTRIC CONIC

C3 8.647 VML 2.941 CLA 13.81 RAL 172.82 RAD 6567.3 VEL 11.403 PTM 1.97 VMP 4.013 CPA -27.31 RAP 134.68 ECC 1.1423
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 19 5 2477.51 -24.96 58.85 25.42 103.83 7 0 22 1877.5 -22.81 50.84
 90.00 21 53 38 4233.97 1.14 173.88 22.07 61.70 23 4 12 3634.0 -2.66 167.25
 100.00 7 47 42 2191.69 -25.90 37.55 25.15 105.47 8 24 14 1591.7 -23.53 29.56
 100.00 23 7 42 3995.03 1.99 155.83 21.60 60.17 24 14 17 3395.0 -2.00 149.31
 110.00 9 12 17 1927.02 -28.37 16.57 24.27 109.92 9 44 24 1327.0 -25.39 8.66
 110.00 0 3 32 3832.46 4.19 142.13 20.23 56.04 1 7 24 3232.5 -1.30 135.92

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1490 TRA .8580 TC3-2.6890 BAU .4758 SGT 2355.6 SGR 3602.3 SG3 1020.2 ST 594.3 SR 1182.8 SS 1484.8
 RDE -.3918 RRA 1.4981 RC3-3.1162 FAU .10430 RRT .9775 RRF .9981 RTF .9748 CRT .9814 CRS -.9913 CST .9479
 FDE -1.6275 FRA 4.7714 FC-10.4416 BSP 13288 SGB 4304.1 R23 .0666 R13 .9958 LSA 1979.5 MSA 195.9 SSA 10.6
 BDE .4192 BRA 1.7264 BC3 4.1160 FSP -3328 SG1 4283.8 SG2 418.0 TMA 57.06 EL1 1319.8 EL2 102.2 ALF 63.58

LAUNCH DATE MAY 4 1967

FLIGHT TIME 178.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 479.519

RL 150.84 LAL .00 LOL 222.86 VL 27.247 GAL 4.48 AZL 89.44 MCA 208.97 SMA 130.46 ECC .17428 INC .5575 V1 29.539
 RP 107.83 LAP -.27 LOP 71.82 VP 38.002 GAP 1.04 AZP 90.49 TAL 157.83 TAP 6.79 RCA 107.72 APO 153.19 V2 35.143
 RC 89.996 GL 5.17 GP -41.48 ZAL 54.54 ZAP 103.01 ETS 349.83 ZAE 136.33 ETE 234.83 ZAC 122.52 ETC 351.56 CLP -107.49

PLANETOCENTRIC CONIC

C3 8.599 VML 2.932 CLA 9.31 RAL 171.46 RAD 6567.3 VEL 11.401 PTM 1.97 VMP 3.873 CPA -23.05 RAP 134.55 ECC 1.1415
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 51 32 2325.72 -22.10 48.65 22.64 108.17 7 29 58 1725.7 -19.41 41.00
 90.00 21 10 37 4383.66 5.93 182.26 20.30 62.26 22 23 41 3783.7 2.17 175.60
 100.00 8 17 7 2048.65 -22.95 27.95 22.33 108.70 8 51 15 1448.7 -20.06 20.35
 100.00 22 27 24 4135.95 6.72 163.62 19.87 60.80 23 36 20 3536.0 2.78 157.05
 110.00 9 35 44 1802.60 -25.20 8.29 21.34 113.90 10 5 47 1202.6 -21.75 .83
 110.00 23 25 15 3954.77 8.80 148.60 18.60 56.83 24 31 10 3354.8 4.37 142.31

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2845 TRA 1.0320 TC3-3.1496 BAU .4895 SGT 2810.0 SGR 3278.0 SG3 1089.0 ST 829.4 SR 1148.9 SS 1666.9
 RDE -.4171 RRA 1.3608 RC3-2.8644 FAU .11086 RRT .9837 RRF .9974 RTF .9814 CRT .9983 CRS -.9911 CST -.9824
 FDE -2.0312 FRA 5.0576 FC-11.1606 BSP 13299 SGB 4317.6 R23 .0751 R13 .9946 LSA 2181.3 MSA 167.7 SSA 12.4
 BDE .5049 BRA 1.7078 BC3 4.2574 FSP -3579 SG1 4300.4 SG2 384.9 TMA 49.47 EL1 1416.4 EL2 38.7 ALF 54.19

LAUNCH DATE MAY 4 1967

FLIGHT TIME 180.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 485.816

RL 150.84 LAL .00 LOL 222.86 VL 27.242 GAL 4.58 AZL 89.85 MCA 212.19 SMA 130.42 ECC .17523 INC .1479 V1 29.539
 RP 107.80 LAP -.08 LOP 75.04 VP 38.009 GAP 1.44 AZP 90.13 TAL 157.49 TAP 9.68 RCA 107.57 APO 153.28 V2 35.154
 RC 92.232 GL 1.37 GP -37.85 ZAL 53.78 ZAP 107.63 ETS 347.37 ZAE 137.07 ETE 227.93 ZAC 124.52 ETC 352.66 CLP -112.56

PLANETOCENTRIC CONIC

C3 8.716 VML 2.952 CLA 5.58 RAL 170.51 RAD 6567.3 VEL 11.406 PTM 1.97 VMP 3.802 CPA -19.15 RAP 134.35 ECC 1.1434
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 16 26 2208.97 -19.43 41.13 20.96 111.01 7 53 15 1609.0 -16.40 33.76
 90.00 20 37 48 4505.52 9.73 189.20 19.52 63.28 21 52 54 3905.5 6.07 182.43
 100.00 8 40 25 1938.10 -20.24 20.86 20.62 112.48 9 12 43 1338.1 -17.02 13.55
 100.00 21 56 31 4251.59 10.50 170.12 19.11 61.85 23 7 22 3651.6 6.66 163.44
 110.00 9 54 42 1705.61 -22.38 2.16 19.57 116.54 10 23 8 1105.6 -18.64 355.03
 110.00 22 58 43 4056.87 12.54 154.13 17.90 57.94 24 6 20 3456.9 8.22 147.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.4268 TRA 1.2000 TC3-3.5227 BAU .5072 SGT 3238.6 SGR 2957.1 SG3 1126.6 ST 1087.6 SR 1093.8 SS 1823.7
 RDE -.4227 RRA 1.2342 RC3-2.5573 FAU .11400 RRT .9869 RRF .9965 RTF .9849 CRT .9997 CRS -.9905 CST -.9927
 FDE -2.3858 FRA 5.2272 FC-11.3235 BSP 13494 SGB 4385.6 R23 .0787 R13 .9934 LSA 2383.6 MSA 152.7 SSA 13.6
 BDE .6007 BRA 1.7214 BC3 4.3530 FSP -3730 SG1 4371.3 SG2 353.0 TMA 42.36 EL1 1542.4 EL2 19.0 ALF 45.16

LAUNCH DATE MAY 4 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 492.094
 RL 150.84 LAL .00 LOL 222.86 VL 27.236 GAL 4.68 AZL 90.19 MCA 215.41 SMA 130.38 ECC .17641 INC .1926 V1 29.539
 RP 107.77 LAP .11 LOP 78.27 VP 38.015 GAP 1.87 A7P 89.84 TAL 157.12 TAP 12.53 RCA 107.38 APO 153.38 V2 35.165
 RC 94.474 GL -1.75 GP -34.53 ZAL 53.14 ZAP 112.20 ETS 345.40 ZAE 137.15 ETE 221.55 ZAC 126.21 ETC 354.00 CLP-117.30

PLANETOCENTRIC CONIC

C3 8.946 VHL 2.991 CLA 2.45 RAL 169.88 RAD 6567.3 VEL 11.416 PTM 1.98 VMP 3.783 DPA -15.62 RAP 134.19 ECC 1.1472
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 37 26 2116.20 -17.07 35.35 20.06 112.94 8 12 42 1516.2 -13.81 28.18
 90.00 20 11 49 4608.23 12.81 195.17 19.41 64.53 21 28 38 4008.2 9.24 188.27
 100.00 8 59 55 1850.14 -17.86 15.42 19.69 114.58 9 30 45 1250.1 -14.42 8.32
 100.00 21 32 2 4349.52 13.59 175.75 19.01 63.12 22 44 31 3749.5 9.87 168.93
 110.00 10 10 47 1628.34 -19.96 357.48 18.59 118.34 10 37 55 1028.3 -16.02 350.58
 110.00 22 37 39 4144.09 15.64 158.99 17.84 59.21 23 46 43 3544.1 11.44 152.40

DIFFERENTIAL CORRECTIONS

TDE -.5736 TRA 1.3623 TC3-3.8100 BAU .5284
 ROE -.4128 RRA 1.1187 RC3-2.2379 FAU .11409
 FDE -2.6749 FRA 5.2919 FC-11.0412 BSP 13851
 BOE .7067 BRA 1.7628 BC3 4.4186 FSP -3786

MID-COURSE EXECUTION ACCURACY

SGT 3636.6 SGR 2649.3 SG3 1135.9
 RRT .9884 RRF .9951 RTF .9870
 SGB 4499.3 R23 .0767 R13 .9924
 SG1 4487.5 SG2 325.4 TMA 35.98

ORBIT DETERMINATION ACCURACY

ST 1351.3 SR 1020.3 SS 1949.3
 CRT .9979 CRS -.9892 CST -.9964
 LSA 2577.8 MSA 146.0 SSA 14.4
 EL1 1692.4 EL2 52.5 ALF 37.04

LAUNCH DATE MAY 4 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 498.353
 RL 150.84 LAL .00 LOL 222.86 VL 27.228 GAL .80 AZL 90.48 MCA 218.64 SMA 130.33 ECC .17780 INC .4847 V1 29.539
 RP 107.73 LAP .30 LOP 81.49 VP 38.019 GAP 2.30 A7P 89.82 TAL 156.70 TAP 15.34 RCA 107.15 APO 153.50 V2 35.175
 RC 96.719 GL -4.33 GP -31.51 ZAL 52.54 ZAP 116.63 ETS 343.83 ZAE 136.73 ETE 215.85 ZAC 127.56 ETC 355.54 CLP-121.72

PLANETOCENTRIC CONIC

C3 9.261 VHL 3.043 CLA -.19 RAL 169.52 RAD 6567.3 VEL 11.430 PTM 1.98 VMP 3.807 DPA -12.44 RAP 134.12 ECC 1.1524
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 55 35 2040.93 -15.01 30.78 19.72 114.29 8 29 36 1440.9 -11.61 23.75
 90.00 19 50 46 4696.89 15.34 200.45 19.78 65.91 21 9 3 4096.9 11.96 193.40
 100.00 9 16 50 1778.84 -15.80 11.12 19.34 115.71 9 46 29 1178.8 -12.21 4.17
 100.00 21 12 12 4434.22 16.13 180.75 19.40 64.49 22 26 6 3834.2 12.57 173.78
 110.00 10 24 53 1565.86 -17.90 353.81 18.19 119.62 10 50 59 965.9 -13.82 347.07
 110.00 22 20 39 4219.96 18.24 163.35 18.25 60.57 23 30 59 3620.0 14.18 156.58

DIFFERENTIAL CORRECTIONS

TDE -.7221 TRA 1.5201 TC3-4.0172 BAU .5520
 ROE -.3914 RRA 1.0154 RC3-1.9332 FAU .11171
 FDE -2.8923 FRA 5.2723 FC-10.4431 BSP 14329
 BOE .8214 BRA 1.8280 BC3 4.4582 FSP -3761

MID-COURSE EXECUTION ACCURACY

SGT 4002.2 SGR 2362.7 SG3 1121.8
 RRT .9888 RRF .9932 RTF .9882
 SGB 4647.6 R23 .0692 R13 .9916
 SG1 4637.6 SG2 304.1 TMA 30.42

ORBIT DETERMINATION ACCURACY

ST 1609.7 SR 934.5 SS 2042.6
 CRT .9952 CRS -.9871 CST -.9979
 LSA 2759.6 MSA 144.3 SSA 14.8
 EL1 1859.6 EL2 79.4 ALF 30.08

LAUNCH DATE MAY 4 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 504.590
 RL 150.84 LAL .00 LOL 222.86 VL 27.219 GAL 4.94 AZL 90.74 MCA 221.87 SMA 130.26 ECC .17941 INC .7384 V1 29.539
 RP 107.70 LAP .49 LOP 84.72 VP 38.021 GAP 2.73 A7P 89.45 TAL 156.26 TAP 18.13 RCA 106.89 APO 153.63 V2 35.185
 RC 98.967 GL -6.46 GP -28.78 ZAL 51.95 ZAP 120.86 ETS 342.58 ZAE 135.95 ETE 210.91 ZAC 128.57 ETC 357.19 CLP-125.82

PLANETOCENTRIC CONIC

C3 9.648 VHL 3.106 CLA -2.45 RAL 169.37 RAD 6567.3 VEL 11.447 PTM 1.99 VMP 3.866 DPA -9.61 RAP 134.17 ECC 1.1588
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 11 43 1979.01 -13.24 27.09 19.82 115.26 8 44 42 1379.0 -9.73 20.17
 90.00 19 33 26 4774.83 17.45 205.20 20.51 67.34 20 53 1 4174.8 14.23 198.00
 100.00 9 31 55 1720.29 -14.04 7.87 19.32 116.66 10 0 35 1120.3 -10.35 .82
 100.00 20 55 55 4508.78 18.26 185.27 20.14 65.92 22 11 4 3908.8 14.86 178.93
 110.00 10 37 33 1514.85 -16.16 350.88 18.23 120.54 11 2 48 914.9 -11.98 344.26
 110.00 22 6 47 4286.99 20.43 167.31 19.02 61.98 23 18 14 3687.0 16.52 160.36

DIFFERENTIAL CORRECTIONS

TDE -.8713 TRA 1.6742 TC3-4.1536 BAU .5768
 ROE -.3623 RRA .9239 RC3-1.6560 FAU .10745
 FDE -3.0405 FRA 5.1884 FC3-9.6419 BSP 14902
 BOE .9436 BRA 1.9122 BC3 4.4715 FSP -3675

MID-COURSE EXECUTION ACCURACY

SGT 4335.5 SGR 2101.1 SG3 1089.8
 RRT .9882 RRF .9905 RTF .9890
 SGB 4817.8 R23 .0576 R13 .9910
 SG1 4809.0 SG2 290.7 TMA 25.69

ORBIT DETERMINATION ACCURACY

ST 1857.2 SR 842.2 SS 2105.7
 CRT .9915 CRS -.9838 CST -.9987
 LSA 2927.7 MSA 145.2 SSA 15.0
 EL1 2036.8 EL2 99.7 ALF 24.27

LAUNCH DATE MAY 4 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 510.806
 RL 150.84 LAL .00 LOL 222.86 VL 27.208 GAL 5.09 AZL 90.96 MCA 225.10 SMA 130.18 ECC .18124 INC .9622 V1 29.539
 RP 107.67 LAP .68 LOP 87.95 VP 38.022 GAP 3.16 A7P 89.32 TAL 155.77 TAP 20.88 RCA 106.59 APO 153.78 V2 35.195
 RC 101.218 GL -8.23 GP -26.32 ZAL 51.34 ZAP 124.86 ETS 341.58 ZAE 134.94 ETE 206.72 ZAC 129.22 ETC 358.88 CLP-129.61

PLANETOCENTRIC CONIC

C3 10.099 VHL 3.178 CLA -4.39 RAL 169.40 RAD 6567.3 VEL 11.467 PTM 1.99 VMP 3.953 DPA -7.11 RAP 134.38 ECC 1.1662
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 26 21 1927.60 -11.73 24.07 20.25 115.96 8 58 28 1327.6 -8.15 17.23
 90.00 19 19 2 4844.39 19.22 209.54 21.53 68.80 20 39 47 4244.4 16.17 202.19
 100.00 9 45 38 1671.85 -12.54 4.85 19.84 117.36 10 13 30 1071.8 -8.78 358.08
 100.00 20 42 27 4575.38 20.06 189.39 21.17 67.36 21 58 42 3975.4 16.82 182.10
 110.00 10 49 9 1472.98 -14.69 348.51 18.60 121.22 11 13 42 873.0 -10.45 341.98
 110.00 21 55 25 4347.00 22.30 170.95 20.07 63.40 23 7 52 3747.0 18.55 163.83

DIFFERENTIAL CORRECTIONS

TDE -1.0184 TRA 1.8282 TC3-4.2208 BAU .6007
 ROE -.3275 RRA .8450 RC3-1.4074 FAU .10155
 FDE -3.1218 FRA 5.0664 FC3-8.7048 BSP 15473
 BOE 1.0697 BRA 2.0140 BC3 4.4492 FSP -3528

MID-COURSE EXECUTION ACCURACY

SGT 4636.4 SGR 1866.3 SG3 1044.7
 RRT .9863 RRF .9868 RTF .9893
 SGB 4997.9 R23 .0445 R13 .9905
 SG1 4989.7 SG2 286.0 TMA 21.73

ORBIT DETERMINATION ACCURACY

ST 2088.3 SR 747.9 SS 2140.0
 CRT .9864 CRS -.9788 CST -.9991
 LSA 3078.6 MSA 147.8 SSA 15.1
 EL1 2215.2 EL2 115.7 ALF 19.51

LAUNCH DATE MAY 4 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 516.999

RL 150.84 LAL .00 LOL 222.86 VL 27.196 GAL 5.26 AZL 91.16 MCA 228.35 SMA 130.10 ECC .18329 INC 1.1621 V1 29.539
 RP 107.65 LAP .87 LOP 91.18 VP 38.022 GAP 3.59 AZP 89.23 TAL 155.26 TAP 23.59 RCA 106.25 APO 153.94 V2 35.204
 RC 103.470 GL -9.71 GP -24.13 ZAL 50.71 ZAP 128.60 ETS 340.77 ZAE 133.80 ETE 203.20 ZAC 129.55 ETC .54 CLP-133.13

PLANETOCENTRIC CONIC

C3 10.613 VHL 3.258 CLA -6.07 RAL 169.58 RAD 6567.4 VEL 11.489 PTM 2.00 VMP 4.064 DPA -4.93 RAP 134.74 ECC 1.1747
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 39 49 1884.73 -10.44 21.58 20.96 116.47 9 11 13 1284.7 -6.80 14.79
 90.00 19 7 1 4907.23 20.72 213.54 22.78 70.25 20 28 48 4307.2 17.84 206.05
 100.00 9 58 16 1631.61 -11.27 2.54 20.53 117.87 10 25 28 1031.6 -7.46 355.83
 100.00 20 31 14 4635.58 21.59 193.21 22.43 68.81 21 48 30 4035.6 18.52 185.76
 110.00 10 59 56 1438.59 -13.47 346.60 19.24 121.72 11 23 54 838.6 -9.18 340.13
 110.00 21 46 5 4401.37 23.92 174.35 21.35 64.82 22 59 26 3801.4 20.33 167.05

DIFFERENTIAL CORRECTIONS

TDE-1.1657 TRA 1.9796 TC3-4.2412 BAU .6253
 RDE -.2913 RRA .7757 RC3-1.1973 FAU .09518
 FDE-3.1594 FRA 4.9096 FC3-7.7647 BSP 16113
 BDE 1.2016 BRA 2.1262 BC3 4.4069 FSP -3367

MID-COURSE EXECUTION ACCURACY

SGT 4909.1 SGR 1659.3 SG3 992.2
 RRT .9833 RRF .9817 RTF .9894
 SGB 5181.9 R23 .0304 R13 .9901
 SGI 5174.0 SG2 286.3 TMA 18.44

ORBIT DETERMINATION ACCURACY

ST 2305.2 SR 657.7 SS 2155.8
 CRT .9794 CRS -.9717 CST -.9993
 LSA 3220.4 MSA 151.1 SSA 15.1
 EL1 2393.7 EL2 127.7 ALF 15.66

LAUNCH DATE MAY 4 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 523.169

RL 150.84 LAL .00 LOL 222.86 VL 27.182 GAL 5.44 AZL 91.34 MCA 231.57 SMA 130.01 ECC .18558 INC 1.3430 V1 29.539
 RP 107.62 LAP 1.05 LOP 94.42 VP 38.020 GAP 4.03 AZP 89.17 TAL 154.71 TAP 26.28 RCA 105.88 APO 154.13 V2 35.212
 RC 105.723 GL -10.93 GP -22.17 ZAL 50.04 ZAP 132.10 ETS 340.10 ZAE 132.60 ETE 200.28 ZAC 129.57 ETC 2.13 CLP-136.38

PLANETOCENTRIC CONIC

C3 11.188 VHL 3.345 CLA -7.54 RAL 169.89 RAD 6567.4 VEL 11.514 PTM 2.01 VMP 4.197 DPA -3.04 RAP 135.26 ECC 1.1841
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 52 21 1848.95 -9.35 19.52 21.89 116.85 9 23 10 1249.0 -5.67 12.77
 90.00 18 56 57 4964.64 21.99 217.27 24.22 71.70 20 19 42 4364.6 19.29 209.64
 100.00 10 10 4 1598.22 -10.20 .63 21.44 118.25 10 36 42 998.2 -6.35 353.97
 100.00 20 21 55 4690.60 22.90 196.77 23.88 70.25 21 40 6 4090.6 20.00 189.18
 110.00 11 10 2 1410.44 -12.46 345.05 20.11 122.09 11 33 33 810.4 -8.13 338.62
 110.00 21 38 26 4451.15 25.33 177.53 22.82 66.24 22 52 37 3851.2 21.89 170.06

DIFFERENTIAL CORRECTIONS

TDE-1.3115 TRA 2.1319 TC3-4.2169 BAU .6489
 RDE -.2542 RRA .7161 RC3-1.0186 FAU .08842
 FDE-3.1561 FRA 4.7388 FC3-6.8419 BSP 16749
 BDE 1.3359 BRA 2.2490 BC3 4.3382 FSP -3188

MID-COURSE EXECUTION ACCURACY

SGT 5155.1 SGR 1478.2 SG3 935.4
 RRT .9788 RRF .9750 RTF .9894
 SGB 5362.8 R23 .0173 R13 .9897
 SGI 5354.9 SG2 291.5 TMA 15.73

ORBIT DETERMINATION ACCURACY

ST 2505.1 SR 572.6 SS 2153.6
 CRT .9692 CRS -.9612 CST -.9995
 LSA 3349.2 MSA 154.7 SSA 15.1
 EL1 2566.0 EL2 137.6 ALF 12.53

LAUNCH DATE MAY 4 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 529.313

RL 150.84 LAL .00 LOL 222.86 VL 27.168 GAL 5.64 AZL 91.51 MCA 234.81 SMA 129.91 ECC .18809 INC 1.5083 V1 29.539
 RP 107.60 LAP 1.23 LOP 97.65 VP 38.017 GAP 4.47 AZP 89.13 TAL 154.13 TAP 28.94 RCA 105.47 APO 154.34 V2 35.220
 RC 107.975 GL -11.94 GP -20.42 ZAL 49.33 ZAP 135.36 ETS 339.52 ZAE 131.41 ETE 197.86 ZAC 129.33 ETC 3.62 CLP-139.39

PLANETOCENTRIC CONIC

C3 11.830 VHL 3.439 CLA -8.82 RAL 170.31 RAD 6567.5 VEL 11.542 PTM 2.01 VMP 4.347 DPA -1.42 RAP 135.93 ECC 1.1947
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 4 7 1819.22 -8.43 17.82 23.02 117.13 9 34 26 1219.2 -4.73 11.10
 90.00 18 48 33 5017.57 23.08 220.76 25.83 73.13 20 12 11 4417.6 20.55 213.00
 100.00 10 21 10 1570.66 -9.31 359.07 22.55 118.53 10 47 20 970.7 -5.43 352.44
 100.00 20 14 12 4741.36 24.03 200.12 25.51 71.67 21 33 13 4141.4 21.30 192.39
 110.00 11 19 37 1387.63 -11.63 343.80 21.16 122.37 11 42 44 787.6 -7.27 337.41
 110.00 21 32 14 4497.16 26.55 180.54 24.47 67.64 22 47 11 3897.2 23.29 172.91

DIFFERENTIAL CORRECTIONS

TDE-1.4552 TRA 2.2870 TC3-4.1525 BAU .6709
 RDE -.2169 RRA .6653 RC3 -.8669 FAU .08148
 FDE-3.1203 FRA 4.5637 FC3-5.9631 BSP 17352
 BDE 1.4712 BRA 2.3818 BC3 4.2421 FSP -2999

MID-COURSE EXECUTION ACCURACY

SGT 5375.9 SGR 1320.6 SG3 877.0
 RRT .9724 RRF .9663 RTF .9892
 SGB 5535.7 R23 .0059 R13 .9894
 SGI 5527.6 SG2 299.8 TMA 13.47

ORBIT DETERMINATION ACCURACY

ST 2687.3 SR 494.0 SS 2136.4
 CRT .9540 CRS -.9454 CST -.9996
 LSA 3464.7 MSA 158.6 SSA 15.0
 EL1 2728.4 EL2 145.9 ALF 9.98

LAUNCH DATE MAY 4 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 535.433

RL 150.84 LAL .00 LOL 222.86 VL 27.152 GAL 5.86 AZL 91.66 MCA 238.05 SMA 129.80 ECC .19086 INC 1.6611 V1 29.539
 RP 107.58 LAP 1.41 LOP 100.89 VP 38.012 GAP 4.91 AZP 89.12 TAL 153.52 TAP 31.57 RCA 105.02 APO 154.57 V2 35.227
 RC 110.226 GL -12.77 GP -18.87 ZAL 48.58 ZAP 138.58 ETS 339.00 ZAE 130.25 ETE 195.85 ZAC 128.84 ETC 4.97 CLP-142.19

PLANETOCENTRIC CONIC

C3 12.541 VHL 3.541 CLA -9.96 RAL 170.83 RAD 6567.5 VEL 11.573 PTM 2.02 VMP 4.513 DPA -.05 RAP 136.76 ECC 1.2064
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 15 14 1794.72 -7.67 16.43 24.31 117.34 9 45 9 1194.7 -3.94 9.72
 90.00 18 41 34 5086.79 24.02 224.07 27.59 74.53 20 6 1 4466.8 21.66 216.19
 100.00 10 31 39 1548.16 -8.58 357.81 23.82 118.75 10 57 28 948.2 -4.67 351.19
 100.00 20 7 50 4788.58 25.01 203.29 27.28 73.06 21 27 30 4188.6 22.45 195.43
 110.00 11 28 44 1369.45 -10.96 342.81 22.38 122.58 11 51 33 769.5 -6.59 336.45
 110.00 21 27 15 4540.05 27.63 183.41 26.27 69.03 22 42 55 3940.0 24.53 175.62

DIFFERENTIAL CORRECTIONS

TDE-1.5950 TRA 2.4483 TC3-4.0496 BAU .6901
 RDE -.1795 RRA .6225 RC3 -.7371 FAU .07437
 FDE-3.0560 FRA 4.3958 FC3-5.1337 BSP 17872
 BDE 1.6050 BRA 2.5262 BC3 4.1161 FSP -2798

MID-COURSE EXECUTION ACCURACY

SGT 5573.2 SGR 1184.3 SG3 818.8
 RRT .9635 RRF .9550 RTF .9889
 SGB 5697.6 R23 -.0029 R13 .9889
 SGI 5689.1 SG2 310.5 TMA 11.61

ORBIT DETERMINATION ACCURACY

ST 2850.0 SR 422.7 SS 2105.2
 CRT .9304 CRS -.9211 CST -.9997
 LSA 3564.6 MSA 162.9 SSA 15.0
 EL1 2877.1 EL2 153.5 ALF 7.88

LAUNCH DATE MAY 4 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 18 1967

DISTANCE 541.524

HELIOCENTRIC CONIC
 RL 150.84 LAL .00 LOL 222.86 VL 27.135 GAL 6.10 AZL 91.80 MCA 241.29 SMA 129.68 ECC .19387 INC 1.8035 V1 29.539
 RP 107.56 LAP 1.58 LOP 104.13 VP 38.006 GAP 5.36 AZP 89.13 TAL 152.88 TAP 34.17 RCA 104.54 APO 154.83 V2 35.233
 RC 112.475 GL -13.45 GP -17.50 ZAL 47.80 ZAP 141.20 ETS 338.51 ZAE 129.14 ETE 194.19 ZAC 128.14 ETC 6.18 CLP-144.80

PLANETOCENTRIC CONIC
 C3 13.328 VML 3.651 DLA -10.96 RAL 171.43 RAD 6567.5 VEL 11.607 PTH 2.03 VMP 4.694 DPA 1.11 RAP 137.72 ECC 1.2194
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 25 47 1774.85 -7.04 15.30 25.74 117.50 9 55 22 1174.8 -3.31 8.61
 90.00 18 35 48 5112.86 24.82 227.21 29.48 75.91 20 1 1 4512.9 22.64 219.21
 100.00 10 41 38 1530.13 -7.98 356.80 25.23 118.90 11 7 8 930.1 -4.07 350.20
 100.00 20 2 38 4832.82 25.85 206.31 29.18 74.44 21 23 11 4232.8 23.46 198.32
 110.00 11 37 26 1355.38 -10.45 342.05 23.74 122.73 12 0 1 755.4 -6.06 335.71
 110.00 21 23 20 4580.33 28.58 186.16 28.20 70.40 22 39 40 5980.3 25.64 178.22

DIFFERENTIAL CORRECTIONS
 TDE-1.7363 TRA 2.6115 TC3-3.9309 BAU .7094
 RDE -.1441 RRA .5852 RC3 -.6309 FAU .06786
 FDE-2.9838 FRA 4.2275 FC3-4.4080 BSP 18426
 BDE 1.7423 BRA 2.6763 BC3 3.9812 FSP -2615

MID-COURSE EXECUTION ACCURACY
 SGT 5752.5 SGR 1066.9 SG3 762.8
 RRT .9521 RRF .9408 RTF .9886
 SGB 5850.6 R23 -.0108 R13 .9885
 SGI 5841.7 SG2 321.3 TMA 10.05

ORBIT DETERMINATION ACCURACY
 ST 3000.2 SR 360.7 SS 2069.8
 CRT .8954 CRS -.8851 CST -.9997
 LSA 3658.9 MSA 166.8 SSA 15.0
 EL1 3017.6 EL2 159.7 ALF 6.16

LAUNCH DATE MAY 4 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 20 1967

DISTANCE 547.586

HELIOCENTRIC CONIC
 RL 150.84 LAL .00 LOL 222.86 VL 27.118 GAL 6.35 AZL 91.94 MCA 244.53 SMA 129.56 ECC .19715 INC 1.9374 V1 29.539
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.993 GAP 5.82 AZP 89.17 TAL 152.22 TAP 36.75 RCA 104.02 APO 155.11 V2 35.239
 RC 114.720 GL -13.99 GP -16.27 ZAL 46.98 ZAP 143.82 ETS 338.01 ZAE 128.10 ETE 192.80 ZAC 127.26 ETC 7.26 CLP-147.23

PLANETOCENTRIC CONIC
 C3 14.200 VML 3.768 DLA -11.84 RAL 172.10 RAD 6567.6 VEL 11.644 PTH 2.04 VMP 4.889 DPA 2.07 RAP 138.80 ECC 1.2337
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 35 49 1759.14 -6.55 14.41 27.30 117.61 10 5 8 1159.1 -2.80 7.73
 90.00 18 31 8 5156.29 25.50 230.20 31.49 77.26 19 57 4 4556.3 23.49 222.11
 100.00 10 51 8 1516.12 -7.52 356.01 26.77 119.02 11 16 24 916.1 -3.60 349.43
 100.00 19 58 29 4874.54 26.58 209.19 31.20 75.79 21 19 44 4274.5 24.36 201.09
 110.00 11 45 47 1345.00 -10.07 341.49 25.23 122.84 12 8 12 745.0 -5.67 335.16
 110.00 21 20 20 4618.43 29.42 188.81 30.26 71.76 22 37 19 4018.4 26.65 180.72

DIFFERENTIAL CORRECTIONS
 TDE-1.8768 TRA 2.7808 TC3-3.7917 BAU .7271
 RDE -.1098 RRA .5533 RC3 -.5414 FAU .06167
 FDE-2.9012 FRA 4.0685 FC3-3.7601 BSP 18952
 BDE 1.8800 BRA 2.8353 BC3 3.8302 FSP -2441

MID-COURSE EXECUTION ACCURACY
 SGT 5913.8 SGR 966.0 SG3 709.5
 RRT .9375 RRF .9234 RTF .9882
 SGB 5992.2 R23 -.0171 R13 .9881
 SGI 5982.9 SG2 332.3 TMA 8.73

ORBIT DETERMINATION ACCURACY
 ST 3135.3 SR 307.4 SS 2028.3
 CRT .8420 CRS -.8306 CST -.9997
 LSA 3742.9 MSA 170.7 SSA 14.9
 EL1 3146.0 EL2 165.3 ALF 4.73

LAUNCH DATE MAY 4 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 22 1967

DISTANCE 553.618

HELIOCENTRIC CONIC
 RL 150.84 LAL .00 LOL 222.86 VL 27.100 GAL 6.63 AZL 92.06 MCA 247.77 SMA 129.44 ECC .20072 INC 2.0643 V1 29.539
 RP 107.52 LAP 1.91 LOP 110.61 VP 37.991 GAP 6.28 AZP 89.22 TAL 151.53 TAP 39.30 RCA 103.46 APO 155.42 V2 35.244
 RC 116.961 GL -14.42 GP -15.18 ZAL 46.14 ZAP 146.27 ETS 337.50 ZAE 127.12 ETE 191.64 ZAC 126.22 ETC 8.19 CLP-149.51

PLANETOCENTRIC CONIC
 C3 15.164 VML 3.894 DLA -12.63 RAL 172.83 RAD 6567.6 VEL 11.685 PTH 2.06 VMP 5.096 DPA 2.85 RAP 140.01 ECC 1.2496
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 45 23 1747.23 -6.17 13.74 28.98 117.69 10 14 30 1147.2 -2.42 7.07
 90.00 18 27 24 5197.44 26.09 233.07 33.60 78.58 19 54 2 4597.4 24.25 224.89
 100.00 11 0 13 1505.78 -7.18 355.43 28.43 119.09 11 25 18 905.8 -3.25 348.86
 100.00 19 55 15 4914.12 27.21 211.96 33.33 77.12 21 17 9 4314.1 25.16 203.76
 110.00 11 53 47 1337.98 -9.81 341.11 26.83 122.91 12 16 5 738.0 -5.40 334.79
 110.00 21 18 10 4654.69 30.17 191.37 32.43 73.11 22 35 45 4054.7 27.56 183.15

DIFFERENTIAL CORRECTIONS
 TDE-2.0163 TRA 2.9579 TC3-3.6344 BAU .7428
 RDE -.0765 RRA .5260 RC3 -.4654 FAU .05580
 FDE-2.8122 FRA 3.9207 FC3-3.1857 BSP 19425
 BDE 2.0178 BRA 3.0043 BC3 3.6640 FSP -2274

MID-COURSE EXECUTION ACCURACY
 SGT 6058.4 SGR 879.2 SG3 659.3
 RRT .9193 RRF .9023 RTF .9878
 SGB 6121.9 R23 -.0221 R13 .9876
 SGI 6112.3 SG2 342.9 TMA 7.62

ORBIT DETERMINATION ACCURACY
 ST 3255.6 SR 263.4 SS 1982.4
 CRT .7616 CRS -.7491 CST -.9998
 LSA 3816.7 MSA 174.5 SSA 14.8
 EL1 3261.8 EL2 170.4 ALF 3.54

LAUNCH DATE MAY 4 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 24 1967

DISTANCE 559.615

HELIOCENTRIC CONIC
 RL 150.84 LAL .00 LOL 222.86 VL 27.081 GAL 6.92 AZL 92.19 MCA 251.01 SMA 129.31 ECC .20457 INC 2.1855 V1 29.539
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.981 GAP 6.75 AZP 89.29 TAL 150.82 TAP 41.83 RCA 102.86 APO 155.76 V2 35.248
 RC 119.197 GL -14.74 GP -14.21 ZAL 45.27 ZAP 148.56 ETS 336.95 ZAE 126.22 ETE 190.65 ZAC 125.04 ETC 9.00 CLP-151.66

PLANETOCENTRIC CONIC
 C3 16.232 VML 4.029 DLA -13.32 RAL 173.61 RAD 6567.7 VEL 11.731 PTH 2.07 VMP 5.316 DPA 3.47 RAP 141.31 ECC 1.2671
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 54 30 1738.82 -5.91 13.26 30.75 117.74 10 23 28 1138.8 -2.15 6.60
 90.00 18 24 32 5236.64 26.59 235.83 35.80 79.88 19 51 49 4636.6 24.92 227.56
 100.00 11 8 53 1498.82 -6.95 355.05 30.18 119.15 11 33 52 898.8 -3.01 348.47
 100.00 19 52 50 4951.88 27.75 214.64 35.55 78.43 21 15 22 4351.9 25.88 206.34
 110.00 12 1 29 1334.06 -9.66 340.90 28.53 122.95 12 23 43 734.1 -5.25 334.58
 110.00 21 16 43 4689.40 30.83 193.86 34.70 74.44 22 34 53 4089.4 28.39 185.51

DIFFERENTIAL CORRECTIONS
 TDE-2.1563 TRA 3.1429 TC3-3.4657 BAU .7571
 RDE -.0443 RRA .5022 RC3 -.4011 FAU .05036
 FDE-2.7211 FRA 3.7834 FC3-2.6859 BSP 19875
 BDE 2.1568 BRA 3.1828 BC3 3.4889 FSP -2118

MID-COURSE EXECUTION ACCURACY
 SGT 6188.6 SGR 804.5 SG3 612.3
 RRT .8973 RRF .8773 RTF .9874
 SGB 6240.7 R23 -.0262 R13 .9872
 SGI 6230.7 SG2 352.7 TMA 6.67

ORBIT DETERMINATION ACCURACY
 ST 3362.9 SR 229.2 SS 1934.1
 CRT .6453 CRS -.6317 CST -.9998
 LSA 3882.1 MSA 178.1 SSA 14.7
 EL1 3366.2 EL2 174.9 ALF 2.53

LAUNCH DATE MAY 4 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 565.577

RL 150.84 LAL .00 LOL 222.86 VL 27.061 GAL 7.24 AZL 92.30 MCA 254.26 SMA 129.17 ECC .20874 INC 2.3021 V1 29.539
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.970 GAP 7.24 A7P 89.38 TAL 150.09 TAP 44.35 RCA 102.21 APO 156.14 V2 35.252
 RC 121.426 GL -14.97 GP -13.34 ZAL 44.39 ZAP 150.71 ETS 336.34 ZAE 125.39 ETE 189.82 ZAC 123.74 ETC 9.70 CLP-153.6H

PLANETOCENTRIC CONIC

C3 17.417 VML 4.173 CLA -13.94 RAL 174.44 RAD 6567.7 VEL 11.781 PTH 2.08 VMP 5.549 CPA 3.95 RAP 142.71 ECC 1.2866
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 3 11 1733.6H -5.74 12.97 32.62 117.78 10 32 5 1133.7 -1.9H 6.31
 90.00 1H 22 26 5274.16 27.01 238.50 38.10 81.15 19 50 20 4674.2 25.51 230.15
 100.00 11 17 10 1495.01 -6.82 354.83 32.03 119.17 11 42 5 895.0 -2.8H 348.26
 100.00 19 51 9 4988.06 28.22 217.23 37.87 79.71 21 14 17 4388.1 26.51 208.84
 110.00 12 8 52 1333.03 -9.62 340.84 30.33 122.96 12 31 5 733.0 -5.21 334.53
 110.00 21 15 55 4722.80 31.41 196.28 37.07 75.77 22 34 3H 4122.8 29.14 187.82

DIFFERENTIAL CORRECTIONS

TDE-2.2933 TRA 3.3409 TC3-3.2791 BAU .767H
 RDE -.0126 RRA .4819 RC3 -.3451 FAU .04506
 FDE-2.6247 FRA 3.661H FC3-2.2397 BSP 20209
 BDE 2.2933 BRA 3.3755 BC3 3.2972 FSP -1963

MID-COURSE EXECUTION ACCURACY

SGT 6303.7 SGR 740.2 SG3 568.6
 RRT .8710 RRF .8481 RTF .9H69
 SGB 6347.0 R23 -.0290 R13 .9H67
 SG1 6336.7 SG2 361.8 TMA 5.86

ORBIT DETERMINATION ACCURACY

ST 3453.9 SR 205.4 SS 1881.7
 CRT .4861 CRS -.471H CST -.999H
 LSA 3934.3 MSA 181.8 SSA 14.6
 EL1 3455.3 EL2 179.4 ALF 1.66

LAUNCH DATE MAY 4 1967

FLIGHT TIME 208.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 571.499

RL 150.84 LAL .00 LOL 222.86 VL 27.041 GAL 7.59 AZL 92.42 MCA 257.50 SMA 129.04 ECC .21325 INC 2.4151 V1 29.539
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.959 GAP 7.73 A7P 89.48 TAL 149.34 TAP 46.84 RCA 101.52 APO 156.55 V2 35.255
 RC 123.64H GL -15.13 GP -12.56 ZAL 43.49 ZAP 152.72 ETS 335.66 ZAE 124.62 ETE 189.11 ZAC 122.34 ETC 10.29 CLP-155.59

PLANETOCENTRIC CONIC

C3 18.733 VML 4.328 CLA -14.48 RAL 175.30 RAD 6567.8 VEL 11.837 PTH 2.10 VMP 5.795 CPA 4.30 RAP 144.19 ECC 1.3083
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 11 28 1731.62 -5.6H 12.86 34.57 117.79 10 40 20 1131.6 -1.91 6.20
 90.00 1H 21 1 5310.21 27.36 241.08 40.47 82.40 19 49 32 4710.2 26.02 232.67
 100.00 11 25 4 1494.18 -6.80 354.79 33.36 119.18 11 49 5H 894.2 -2.86 348.22
 100.00 19 50 7 5022.88 28.62 219.74 40.26 80.98 21 13 50 4422.9 27.08 211.2H
 110.00 12 15 58 1334.73 -9.69 340.94 32.20 122.94 12 38 13 734.7 -5.2H 334.62
 110.00 21 15 42 4755.10 31.93 198.66 39.52 77.09 22 34 57 4155.1 29.82 190.0H

DIFFERENTIAL CORRECTIONS

TDE-2.4346 TRA 3.5458 TC3-3.0942 BAU .7785
 RDE .0179 RRA .4636 RC3 -.2980 FAU .04037
 FDE-2.5348 FRA 3.5471 FC3-1.8656 BSP 20593
 BDE 2.4347 BRA 3.5760 BC3 3.1085 FSP -1829

MID-COURSE EXECUTION ACCURACY

SGT 6408.1 SGR 684.7 SG3 528.3
 RRT .8403 RRF .8147 RTF .9H64
 SGB 6444.6 R23 -.0314 R13 .9H63
 SG1 6433.9 SG2 369.7 TMA 5.15

ORBIT DETERMINATION ACCURACY

ST 3536.8 SR 191.8 SS 1831.4
 CRT .2958 CRS -.2814 CST -.999H
 LSA 3983.1 MSA 185.0 SSA 14.4
 EL1 3537.3 EL2 183.2 ALF .92

LAUNCH DATE MAY 4 1967

FLIGHT TIME 210.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 577.579

RL 150.84 LAL .00 LOL 222.86 VL 27.020 GAL 7.95 AZL 92.53 MCA 260.75 SMA 128.89 ECC .21812 INC 2.5252 V1 29.539
 RP 107.4H LAP 2.49 LOP 123.60 VP 37.946 GAP 8.24 A7P 89.59 TAL 148.5H TAP 49.33 RCA 100.7H APO 157.01 V2 35.257
 RC 125.861 GL -15.21 GP -11.86 ZAL 42.57 ZAP 154.63 ETS 334.89 ZAE 123.91 ETE 188.50 ZAC 120.84 ETC 10.80 CLP-157.41

PLANETOCENTRIC CONIC

C3 20.197 VML 4.494 CLA -14.96 RAL 176.19 RAD 6567.8 VEL 11.899 PTH 2.11 VMP 6.054 CPA 4.53 RAP 145.74 ECC 1.3324
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 19 20 1732.50 -5.71 12.90 36.60 117.7H 10 4H 13 1132.5 -1.94 6.25
 90.00 1H 20 14 5344.97 27.65 243.58 42.92 83.62 19 49 19 4745.0 26.4H 235.11
 100.00 11 32 35 1496.17 -6.86 354.90 35.97 119.17 11 57 31 896.2 -2.92 348.33
 100.00 19 49 41 5056.53 28.95 222.18 42.74 82.22 21 13 57 4456.5 27.5H 213.65
 110.00 12 22 46 1339.00 -9.84 341.17 34.16 122.90 12 45 5 739.0 -5.44 334.84
 110.00 21 15 59 4786.46 32.3H 200.99 42.06 78.40 22 35 46 4186.5 30.45 192.31

DIFFERENTIAL CORRECTIONS

TDE-2.5774 TRA 3.7623 TC3-2.9043 BAU .7873
 RDE .0478 RRA .4470 RC3 -.2573 FAU .03602
 FDE-2.4476 FRA 3.4429 FC3-1.5440 BSP 20943
 BDE 2.577H BRA 3.788H BC3 2.9157 FSP -1704

MID-COURSE EXECUTION ACCURACY

SGT 6500.9 SGR 636.6 SG3 491.1
 RRT .8052 RRF .7769 RTF .9H60
 SGB 6532.0 R23 -.0333 R13 .9H59
 SG1 6521.1 SG2 376.3 TMA 4.52

ORBIT DETERMINATION ACCURACY

ST 3608.6 SR 187.3 SS 1781.3
 CRT .0944 CRS -.0804 CST -.9999
 LSA 4024.3 MSA 187.9 SSA 14.3
 EL1 3608.6 EL2 186.5 ALF .2H

LAUNCH DATE MAY 4 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 583.211

RL 150.84 LAL .00 LOL 222.86 VL 26.99H GAL 8.35 AZL 92.63 MCA 264.00 SMA 128.75 ECC .22337 INC 2.6333 V1 29.539
 RP 107.4H LAP 2.62 LOP 126.85 VP 37.932 GAP 8.77 A7P 89.72 TAL 147.80 TAP 51.80 RCA 99.99 APO 157.51 V2 35.25H
 RC 128.066 GL -15.23 GP -11.24 ZAL 41.65 ZAP 156.43 ETS 334.01 ZAE 123.25 ETE 187.97 ZAC 119.27 ETC 11.22 CLP-159.14

PLANETOCENTRIC CONIC

C3 21.829 VML 4.672 CLA -15.38 RAL 177.10 RAD 6567.9 VEL 11.967 PTH 2.13 VMP 6.327 CPA 4.65 RAP 147.35 ECC 1.3592
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 26 49 1736.17 -5.82 13.11 38.69 117.76 10 55 45 1136.2 -2.06 6.45
 90.00 1H 20 1 5378.60 27.8H 246.02 45.44 84.82 19 49 40 4778.6 26.87 237.50
 100.00 11 39 45 1500.85 -7.02 355.16 38.04 119.13 12 4 46 900.8 -3.0H 348.59
 100.00 19 49 46 5089.16 29.23 224.57 45.29 83.45 21 14 35 4489.2 28.02 215.9H
 110.00 12 29 16 1345.74 -10.09 341.53 36.18 122.83 12 51 42 745.7 -5.70 335.20
 110.00 21 16 45 4817.04 32.7H 203.29 44.67 79.71 22 37 2 4217.0 31.01 194.52

DIFFERENTIAL CORRECTIONS

TDE-2.7223 TRA 3.9919 TC3-2.7112 BAU .7939
 RDE .0773 RRA .4319 RC3 -.2219 FAU .03196
 FDE-2.3635 FRA 3.3496 FC3-1.2676 BSP 21260
 BDE 2.7234 BRA 4.0152 BC3 2.7203 FSP -158H

MID-COURSE EXECUTION ACCURACY

SGT 6583.3 SGR 594.8 SG3 456.8
 RRT .7656 RRF .7350 RTF .9H56
 SGB 6610.1 R23 -.0345 R13 .9H55
 SG1 6599.1 SG2 381.7 TMA 3.97

ORBIT DETERMINATION ACCURACY

ST 3670.2 SR 190.2 SS 1731.9
 CRT -.0930 CRS .1060 CST -.9999
 LSA 4058.3 MSA 190.5 SSA 14.1
 EL1 3670.3 EL2 189.4 ALF 179.72

LAUNCH DATE MAY 4 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 588.991

RL 150.84 LAL .00 LOL 222.86 VL 26.977 GAL 8.77 AZL 92.74 MCA 267.24 SMA 128.60 ECC .22905 INC 2.7402 V1 29.539
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.917 GAP 3.31 AZP 89.87 TAL 147.02 TAP 54.26 RCA 99.15 APO 158.06 V2 35.259
 RC 130.261 GL -15.19 GP -10.64 ZAL 40.73 ZAP 158.13 ETS 332.99 ZAE 122.64 ETE 187.51 ZAC 117.64 ETC 11.58 CLP-160.80

PLANETOCENTRIC CONIC

C3 23.652 VHL 4.863 OLA -15.74 RAL 178.02 RAD 6568.0 VEL 12.043 PTH 2.15 VMP 6.616 DPA 4.68 RAP 149.01 ECC 1.3893
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 33 53 1742.54 -6.02 13.47 40.85 117.72 11 2 56 1142.5 -2.27 6.81
 90.00 18 20 19 5411.25 28.06 248.39 48.03 86.00 19 50 30 4811.2 27.21 239.83
 100.00 11 46 32 1508.12 -7.26 355.57 40.18 119.08 12 11 40 908.1 -3.33 348.99
 100.00 19 50 21 5120.90 29.45 226.90 47.90 84.66 21 15 42 4520.9 28.40 218.26
 110.00 12 35 28 1354.83 -10.43 342.02 38.26 122.74 12 58 3 754.8 -6.04 335.68
 110.00 21 17 55 4846.95 33.12 205.56 47.36 81.01 22 38 41 4247.0 31.52 196.70

DIFFERENTIAL CORRECTIONS

TDE-2.8697 TRA 4.2352 TC3-2.5175 BAU .7983
 RDE .1065 RRA .4177 RC3 -.1909 FAU .02821
 FDE-2.2833 FRA 3.2659 FC3-1.0325 BSP 21543
 BDE 2.8716 BRA 4.2557 BC3 2.5247 FSP -1481

MID-COURSE EXECUTION ACCURACY

SGT 6655.7 SGR 558.2 SG3 425.2
 RRT .7215 RRF .6889 RTF .9853
 SGB 6679.1 R23 -.0353 R13 .9852
 SGI 6667.9 SG2 385.8 TMA 3.47

ORBIT DETERMINATION ACCURACY

ST 3722.0 SR 198.2 SS 1683.5
 CRT -.2511 CRS .2628 CST -.9999
 LSA 4085.3 MSA 192.7 SSA 13.9
 EL1 3722.4 EL2 191.9 ALF 179.23

LAUNCH DATE MAY 4 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 594.713

RL 150.84 LAL .00 LOL 222.86 VL 26.954 GAL 9.23 AZL 92.85 MCA 270.49 SMA 128.45 ECC .23519 INC 2.8464 V1 29.539
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.901 GAP 3.88 AZP 90.02 TAL 146.23 TAP 56.72 RCA 98.24 APO 158.66 V2 35.259
 RC 132.447 GL -15.11 GP -10.17 ZAL 39.80 ZAP 159.75 ETS 331.82 ZAE 122.07 ETE 187.10 ZAC 115.95 ETC 11.88 CLP-162.40

PLANETOCENTRIC CONIC

C3 25.695 VHL 5.069 OLA -16.05 RAL 178.96 RAD 6568.0 VEL 12.127 PTH 2.17 VMP 6.920 DPA 4.62 RAP 150.72 ECC 1.4229
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 40 33 1751.50 -6.31 13.98 43.07 117.66 11 9 45 1151.5 -2.55 7.31
 90.00 18 21 6 5443.01 28.19 250.70 50.67 87.15 19 51 49 4843.0 27.49 242.11
 100.00 11 52 57 1517.88 -7.58 356.11 42.38 119.00 12 18 15 917.9 -3.66 349.52
 100.00 19 51 23 5151.87 29.63 229.19 50.57 85.85 21 17 14 4551.9 28.74 220.50
 110.00 12 41 23 1366.19 -10.85 342.63 40.40 122.62 13 4 9 766.2 -6.47 336.28
 110.00 21 19 27 4876.31 33.41 207.80 50.11 82.31 22 40 43 4276.3 31.99 198.86

DIFFERENTIAL CORRECTIONS

TDE-3.0171 TRA 4.4970 TC3-2.3194 BAU .7987
 RDE .1359 RRA .4042 RC3 -.1634 FAU .02460
 FDE-2.2042 FRA 3.1940 FC3 -.8287 BSP 21727
 BDE 3.0202 BRA 4.5151 BC3 2.3252 FSP -1375

MID-COURSE EXECUTION ACCURACY

SGT 6718.3 SGR 526.4 SG3 396.2
 RRT .6732 RRF .6391 RTF .9849
 SGB 6738.9 R23 -.0353 R13 .9848
 SGI 6727.7 SG2 388.7 TMA 3.03

ORBIT DETERMINATION ACCURACY

ST 3762.0 SR 209.6 SS 1635.0
 CRT -.3766 CRS .3868 CST -.9999
 LSA 4102.7 MSA 194.7 SSA 13.7
 EL1 3762.9 EL2 194.2 ALF 178.79

LAUNCH DATE MAY 4 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 600.369

RL 150.84 LAL .00 LOL 222.86 VL 26.932 GAL 9.72 AZL 92.95 MCA 273.73 SMA 128.30 ECC .24182 INC 2.9528 V1 29.539
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.884 GAP 10.47 AZP 90.19 TAL 145.44 TAP 59.17 RCA 97.28 APO 159.33 V2 35.258
 RC 134.624 GL -14.98 GP -9.71 ZAL 38.88 ZAP 161.29 ETS 330.46 ZAE 121.53 ETE 186.74 ZAC 114.21 ETC 12.14 CLP-163.93

PLANETOCENTRIC CONIC

C3 27.988 VHL 5.290 OLA -16.32 RAL 179.89 RAD 6568.1 VEL 12.221 PTH 2.20 VMP 7.242 DPA 4.48 RAP 152.46 ECC 1.4606
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 46 49 1762.98 -6.67 14.63 45.33 117.58 11 16 12 1163.0 -2.92 7.95
 90.00 18 22 18 5473.98 28.27 252.97 53.36 88.28 19 53 32 4874.0 27.73 244.34
 100.00 11 59 0 1530.04 -7.98 356.79 44.62 118.90 12 24 50 930.0 -4.07 350.19
 100.00 19 52 48 5182.15 29.76 231.43 53.29 87.02 21 19 10 4582.1 29.03 222.70
 110.00 12 46 59 1379.75 -11.34 343.37 42.60 122.46 13 9 59 779.7 -6.98 336.99
 110.00 21 21 19 4905.21 33.65 210.02 52.92 83.60 22 43 4 4305.2 32.40 201.01

DIFFERENTIAL CORRECTIONS

TDE-3.1725 TRA 4.7712 TC3-2.1297 BAU .7986
 RDE .1649 RRA .3906 RC3 -.1397 FAU .02138
 FDE-2.1336 FRA 3.1275 FC3 -.6614 BSP 21975
 BDE 3.1768 BRA 4.7872 BC3 2.1343 FSP -1285

MID-COURSE EXECUTION ACCURACY

SGT 6772.9 SGR 498.0 SG3 369.5
 RRT .6204 RRF .5853 RTF .9847
 SGB 6791.2 R23 -.0353 R13 .9846
 SGI 6780.0 SG2 390.2 TMA 2.62

ORBIT DETERMINATION ACCURACY

ST 3797.2 SR 222.3 SS 1590.5
 CRT -.4736 CRS .4824 CST -.9999
 LSA 4118.2 MSA 196.1 SSA 13.5
 EL1 3798.7 EL2 195.7 ALF 178.41

LAUNCH DATE MAY 4 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 605.952

RL 150.84 LAL .00 LOL 222.86 VL 26.909 GAL 10.25 AZL 93.06 MCA 276.98 SMA 128.15 ECC .24901 INC 3.0600 V1 29.539
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.866 GAP 11.08 AZP 90.37 TAL 144.64 TAP 61.62 RCA 96.24 APO 160.06 V2 35.256
 RC 136.791 GL -14.81 GP -9.29 ZAL 37.97 ZAP 162.77 ETS 328.86 ZAE 121.03 ETE 186.42 ZAC 112.43 ETC 12.35 CLP-165.43

PLANETOCENTRIC CONIC

C3 30.570 VHL 5.529 OLA -16.54 RAL 180.83 RAD 6568.2 VEL 12.327 PTH 2.22 VMP 7.584 DPA 4.28 RAP 154.24 ECC 1.5031
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 52 40 1776.88 -7.11 15.41 47.65 117.48 11 22 17 1176.9 -3.37 8.73
 90.00 18 23 54 5504.24 28.31 255.18 56.10 89.39 19 55 38 4904.2 27.93 246.53
 100.00 12 4 40 1544.54 -8.46 357.60 46.92 118.78 12 30 25 944.5 -4.55 350.99
 100.00 19 54 35 5211.81 29.84 233.63 56.07 88.18 21 21 27 4611.8 29.27 224.87
 110.00 12 52 16 1395.42 -11.91 344.22 44.85 122.28 13 15 32 795.4 -7.57 337.83
 110.00 21 23 28 4933.70 33.85 212.22 55.78 84.89 22 45 42 4333.7 32.77 203.15

DIFFERENTIAL CORRECTIONS

TDE-3.3326 TRA 5.0635 TC3-1.9427 BAU .7955
 RDE .1941 RRA .3768 RC3 -.1187 FAU .01838
 FDE-2.0674 FRA 3.0696 FC3 -.5205 BSP 22193
 BDE 3.3383 BRA 5.0775 BC3 1.9463 FSP -1202

MID-COURSE EXECUTION ACCURACY

SGT 6819.2 SGR 472.9 SG3 344.9
 RRT .5635 RRF .5278 RTF .9845
 SGB 6835.6 R23 -.0348 R13 .9845
 SGI 6824.4 SG2 390.4 TMA 2.24

ORBIT DETERMINATION ACCURACY

ST 3824.6 SR 235.4 SS 1548.0
 CRT -.5484 CRS .5560 CST -.9999
 LSA 4127.9 MSA 197.0 SSA 13.3
 EL1 3826.7 EL2 196.7 ALF 178.06

LAUNCH DATE MAY 5 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 14 1967

HELIOCENTRIC CONIC

DISTANCE 130.479

RL 150.88 LAL .00 LOL 223.83 VL 15.940 GAL 24.01 AZL 90.51 MCA 37.81 SMA 88.17 ECC .76652 INC .5074 V1 29.532
 RP 108.69 LAP -.31 LOP 261.64 VP 30.610 GAP -48.67 AZP 90.40 TAL 171.95 TAP 209.76 RCA 20.59 APO 155.76 V2 34.867
 RC 78.089 GL -.46 GP 2.19 ZAL 67.96 ZAP 32.43 ETS 106.15 ZAE 139.87 ETE 174.25 ZAC 147.24 ETC 33.62 CLP 32.36

PLANETOCENTRIC CONIC

C3 260.802 VHL 16.149 CLA 8.94 RAL 157.49 RAD 6571.5 VEL 19.548 PTM 3.11 VMP 27.448 DPA 25.53 RAP 116.55 ECC 5.2921
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 54 33 3051.91 -27.65 100.19 64.01 83.65 6 45 25 2451.9 -28.24 91.58
 90.00 20 7 57 5134.41 25.17 228.69 55.14 76.57 21 33 31 4534.4 23.07 220.65
 100.00 7 20 15 2775.51 -29.29 80.07 64.21 83.76 8 6 31 2175.5 -29.85 71.31
 100.00 21 24 56 4886.05 26.77 209.99 54.70 76.17 22 46 22 4286.0 24.60 201.87
 110.00 8 38 25 2530.89 -33.72 62.05 64.77 84.03 9 20 36 1930.9 -34.18 52.84
 110.00 22 23 15 4703.43 31.08 194.87 53.44 75.00 23 41 39 4103.4 28.71 186.47

DIFFERENTIAL CORRECTIONS

TOE .7400 TRA-1.9075 TC3 -.1089 BAU .3810
 ROE-1.1481 RRA -.5849 RC3 .0084 FAU .01235
 FOE -.3146 FRA .6702 FC3 -.0410 BSP 1781
 BOE 1.3659 BRA 1.9931 BC3 .1093 FSP -50

MID-COURSE EXECUTION ACCURACY

SGT 813.7 SGR 459.1 SG3 25.6
 RRT .0734 RRF -.0639 RTF -.6119
 SGB 934.2 R23 .0018 R13 -.6122
 SG1 814.7 SG2 457.3 TMA 3.47

ORBIT DETERMINATION ACCURACY

ST 333.6 SR 412.2 SS 315.4
 CRT -.6836 CRS -.7463 CST .9941
 LSA 571.4 MSA 232.3 SSA 14.0
 EL1 488.9 EL2 205.2 ALF 126.34

LAUNCH DATE MAY 5 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 16 1967

HELIOCENTRIC CONIC

DISTANCE 136.050

RL 150.88 LAL .00 LOL 223.83 VL 16.710 GAL 22.95 AZL 90.76 MCA 40.99 SMA 89.67 ECC .73964 INC .7588 V1 29.532
 RP 108.72 LAP -.50 LOP 264.81 VP 31.007 GAP -46.47 AZP 90.57 TAL 171.14 TAP 212.12 RCA 23.35 APO 155.99 V2 34.857
 RC 75.803 GL -.76 GP 2.25 ZAL 66.70 ZAP 30.92 ETS 186.40 ZAE 140.11 ETE 173.60 ZAC 145.78 ETC 32.31 CLP 30.84

PLANETOCENTRIC CONIC

C3 237.131 VHL 15.399 CLA 8.19 RAL 158.56 RAD 6571.4 VEL 18.933 PTM 3.07 VMP 26.405 DPA 25.36 RAP 118.38 ECC 4.9026
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 4 41 3015.06 -27.90 97.52 63.72 84.96 6 54 56 2415.1 -28.31 88.88
 90.00 20 6 21 5145.49 25.34 229.45 55.55 76.92 21 32 6 4545.5 23.29 221.38
 100.00 7 29 59 2739.93 -29.53 77.45 63.88 85.12 8 15 39 2139.9 -29.89 68.66
 100.00 21 23 44 4895.85 26.93 210.68 55.13 76.50 22 45 20 4295.9 24.80 202.53
 110.00 8 47 16 2498.08 -33.92 59.51 64.31 85.52 9 28 54 1898.1 -34.17 50.27
 110.00 22 22 56 4710.47 31.20 195.38 53.90 75.28 23 41 27 4110.5 28.87 186.96

DIFFERENTIAL CORRECTIONS

TOE .9218 TRA-1.7399 TC3 -.0862 BAU .2754
 ROE-1.1001 RRA -.5699 RC3 .0107 FAU .01346
 FOE -.3524 FRA .6725 FC3 -.0491 BSP 6146
 BOE 1.4352 BRA 1.8308 BC3 .0869 FSP -101

MID-COURSE EXECUTION ACCURACY

SGT 784.8 SGR 463.2 SG3 27.9
 RRT -.0248 RRF -.0365 RTF -.6723
 SGB 911.3 R23 .0621 R13 .6715
 SG1 784.9 SG2 462.9 TMA 178.72

ORBIT DETERMINATION ACCURACY

ST 395.2 SR 414.3 SS 345.7
 CRT -.7803 CRS -.7771 CST .9987
 LSA 633.1 MSA 215.3 SSA 13.0
 EL1 540.3 EL2 189.5 ALF 133.27

LAUNCH DATE MAY 5 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 18 1967

HELIOCENTRIC CONIC

DISTANCE 141.762

RL 150.88 LAL .00 LOL 223.83 VL 17.432 GAL 21.97 AZL 90.98 MCA 44.16 SMA 91.19 ECC .71305 INC .9801 V1 29.532
 RP 108.75 LAP -.68 LOP 267.98 VP 31.392 GAP -44.40 AZP 90.70 TAL 170.32 TAP 214.48 RCA 26.17 APO 156.21 V2 34.848
 RC 73.549 GL -1.08 GP 2.32 ZAL 65.48 ZAP 29.43 ETS 186.68 ZAE 140.45 ETE 172.89 ZAC 144.28 ETC 31.09 CLP 29.35

PLANETOCENTRIC CONIC

C3 215.887 VHL 14.693 CLA 7.44 RAL 159.58 RAD 6571.2 VEL 18.363 PTM 3.03 VMP 25.405 DPA 25.17 RAP 120.22 ECC 4.5530
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 14 39 2977.47 -28.10 94.79 63.33 86.32 7 4 16 2377.5 -28.31 86.13
 90.00 20 4 35 5156.10 25.50 230.19 55.88 77.25 21 30 31 4556.1 23.49 222.10
 100.00 7 39 34 2703.60 -29.71 74.76 63.45 86.52 8 24 37 2103.6 -29.87 65.96
 100.00 21 22 21 4905.20 27.07 211.34 55.48 76.82 22 44 6 4305.2 24.99 203.16
 110.00 8 55 58 2464.50 -34.07 56.90 63.74 87.06 9 37 2 1864.5 -34.10 47.65
 110.00 22 22 26 4717.06 31.32 195.86 54.28 75.54 23 41 3 4117.1 29.01 187.42

DIFFERENTIAL CORRECTIONS

TOE .7699 TRA-1.9079 TC3 -.1196 BAU .3470
 ROE-1.0606 RRA -.5616 RC3 .0119 FAU .01269
 FOE -.3493 FRA .7160 FC3 -.0509 BSP 2499
 BOE 1.3106 BRA 1.9889 BC3 .1202 FSP -66

MID-COURSE EXECUTION ACCURACY

SGT 881.3 SGR 470.2 SG3 30.0
 RRT .0705 RRF -.0680 RTF -.6533
 SGB 998.9 R23 -.0038 R13 -.6537
 SG1 882.2 SG2 468.5 TMA 3.00

ORBIT DETERMINATION ACCURACY

ST 375.4 SR 418.9 SS 352.0
 CRT -.6949 CRS -.7554 CST .9945
 LSA 617.9 MSA 241.2 SSA 14.4
 EL1 518.3 EL2 218.1 ALF 130.51

LAUNCH DATE MAY 5 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 20 1967

HELIOCENTRIC CONIC

DISTANCE 147.560

RL 150.88 LAL .00 LOL 223.83 VL 18.109 GAL 21.04 AZL 91.18 MCA 47.32 SMA 92.72 ECC .68669 INC 1.1772 V1 29.532
 RP 108.77 LAP -.87 LOP 271.14 VP 31.763 GAP -42.43 AZP 90.80 TAL 169.52 TAP 216.85 RCA 29.05 APO 156.39 V2 34.839
 RC 71.325 GL -1.42 GP 2.38 ZAL 64.32 ZAP 27.97 ETS 187.00 ZAE 140.86 ETE 172.11 ZAC 142.75 ETC 29.96 CLP 27.88

PLANETOCENTRIC CONIC

C3 196.557 VHL 14.020 CLA 6.69 RAL 160.54 RAD 6571.1 VEL 17.829 PTM 2.99 VMP 24.438 DPA 24.96 RAP 122.09 ECC 4.2348
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 24 16 2939.31 -28.23 92.01 62.80 87.71 7 13 16 2339.3 -28.25 83.34
 90.00 20 2 36 5165.74 25.64 230.86 56.10 77.56 21 28 42 4565.7 23.67 222.74
 100.00 7 48 48 2666.86 -29.83 72.03 62.87 87.96 8 33 15 2066.7 -29.79 63.22
 100.00 21 20 45 4913.61 27.20 211.93 55.71 77.10 22 42 39 4313.6 25.15 203.73
 110.00 9 4 20 2430.27 -34.16 54.23 63.02 88.64 9 44 51 1830.3 -33.97 44.99
 110.00 22 21 42 4722.78 31.41 196.28 54.54 75.77 23 40 25 4122.8 29.14 187.81

DIFFERENTIAL CORRECTIONS

TOE .7704 TRA-1.9221 TC3 -.1274 BAU .3367
 ROE-1.0177 RRA -.5490 RC3 .0140 FAU .01280
 FOE -.3656 FRA .7411 FC3 -.0564 BSP 2531
 BOE 1.2764 BRA 1.9990 BC3 .1281 FSP -71

MID-COURSE EXECUTION ACCURACY

SGT 923.2 SGR 474.9 SG3 32.4
 RRT .0768 RRF -.0729 RTF -.6701
 SGB 1038.2 R23 -.0031 R13 -.6705
 SG1 924.1 SG2 473.0 TMA 3.07

ORBIT DETERMINATION ACCURACY

ST 394.4 SR 421.4 SS 370.0
 CRT -.6912 CRS -.7574 CST .9939
 LSA 639.3 MSA 247.0 SSA 14.6
 EL1 531.0 EL2 226.2 ALF 132.26

LAUNCH DATE MAY 5 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 22 1967

HELIOCENTRIC CONIC
 RL 150.88 LAL .00 LOL 223.83 VL 18.743 GAL 20.14 AZL 91.36 MCA 50.49 SMA 94.26 ECC .66073 INC 1.3552 V1 29.532
 RP 108.80 LAP -1.05 LOP 274.31 VP 32.120 GAP -40.56 AZP 90.86 TAL 168.73 TAP 219.22 RCA 31.98 APO 156.54 V2 34.831
 RC 69.138 GL -1.78 GP 2.46 ZAL 63.22 ZAP 26.53 ETS 187.37 ZAE 141.37 ETE 171.26 ZAC 141.19 ETC 28.91 CLP 26.42

PLANETOCENTRIC CONIC
 C3 179.019 VML 13.380 CLA 5.93 RAL 161.44 RAD 6570.9 VEL 17.330 PTH 2.95 VMP 23.503 DPA 24.74 RAP 123.96 ECC 3.9462
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 33 37 2900.46 -28.30 89.17 62.14 89.13 7 21 58 2300.5 -28.13 80.51
 90.00 20 0 24 5174.60 25.77 231.48 56.20 77.84 21 26 39 4574.6 23.84 223.34
 100.00 7 57 47 2629.03 -29.89 69.23 62.17 89.43 8 41 36 2029.0 -29.65 60.43
 100.00 21 18 56 4921.27 27.32 212.47 55.82 77.36 22 40 57 4321.3 25.30 204.25
 110.00 9 12 28 2395.30 -34.18 51.50 62.18 90.25 9 52 23 1795.3 -33.77 42.28
 110.00 22 20 44 4727.76 31.50 196.65 54.68 75.97 23 39 32 4127.8 29.25 188.16

DIFFERENTIAL CORRECTIONS
 TDE .7743 TRA-1.9321 TC3 -.1344 BAU .3242
 RDE -.9751 RRA -.5356 RC3 .0164 FAU .01296
 FDE -.3827 FRA .7661 FC3 -.0627 BSP 2655
 BDE 1.2451 BRA 2.0050 BC3 .1354 FSP -77

MID-COURSE EXECUTION ACCURACY
 SGT 965.1 SGR 479.0 SG3 35.0
 RRT .0813 RRF -.0773 RTF -.6872
 SGB 1077.4 R23 -.0034 R13 -.6875
 SGI 966.1 SGI 476.9 TMA 3.05

ORBIT DETERMINATION ACCURACY
 ST 415.1 SR 423.2 SS 388.9
 CRT -.6898 CRS -.7597 CST .9934
 LSA 662.6 MSA 251.9 SSA 14.8
 EL1 545.0 EL2 233.4 ALF 134.20

LAUNCH DATE MAY 5 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 24 1967

HELIOCENTRIC CONIC
 RL 150.88 LAL .00 LOL 223.83 VL 19.337 GAL 19.29 AZL 91.52 MCA 53.66 SMA 95.80 ECC .63526 INC 1.5177 V1 29.532
 RP 108.82 LAP -1.22 LOP 277.47 VP 32.462 GAP -38.78 AZP 90.90 TAL 167.96 TAP 221.62 RCA 34.94 APO 156.66 V2 34.824
 RC 66.992 GL -2.17 GP 2.54 ZAL 62.17 ZAP 25.11 ETS 187.79 ZAE 141.97 ETE 170.33 ZAC 139.59 ETC 27.93 CLP 24.99

PLANETOCENTRIC CONIC
 C3 163.098 VML 12.771 CLA 5.18 RAL 162.27 RAD 6570.8 VEL 16.865 PTH 2.91 VMP 22.600 DPA 24.49 RAP 125.85 ECC 3.6842
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 42 43 2860.89 -28.31 86.27 61.36 90.58 7 30 23 2260.9 -27.93 77.63
 90.00 19 57 59 5182.73 25.89 232.04 56.19 78.10 21 24 21 4582.7 23.99 223.89
 100.00 8 6 30 2590.65 -29.88 66.38 61.34 90.93 8 49 40 1990.6 -29.43 57.60
 100.00 21 16 53 4928.21 27.42 212.96 55.83 77.60 22 39 1 4328.2 25.44 204.72
 110.00 9 20 20 2359.56 -34.14 48.71 61.21 91.90 9 59 39 1759.6 -33.50 39.52
 110.00 22 19 32 4732.06 31.57 196.96 54.71 76.15 23 38 24 4132.1 29.34 188.46

DIFFERENTIAL CORRECTIONS
 TDE .7776 TRA-1.9417 TC3 -.1415 BAU .3113
 RDE -.9329 RRA -.5215 RC3 .0191 FAU .01313
 FDE -.4004 FRA .7915 FC3 -.0697 BSP 2781
 BDE 1.2145 BRA 2.0106 BC3 .1427 FSP -85

MID-COURSE EXECUTION ACCURACY
 SGT 1008.7 SGR 482.4 SG3 37.8
 RRT .0860 RRF -.0819 RTF -.7035
 SGB 1118.1 R23 -.0037 R13 -.7038
 SGI 1009.8 SGI 480.1 TMA 3.04

ORBIT DETERMINATION ACCURACY
 ST 436.7 SR 424.4 SS 408.4
 CRT -.6881 CRS -.7620 CST .9929
 LSA 686.8 MSA 256.4 SSA 15.0
 EL1 559.5 EL2 240.4 ALF 136.19

LAUNCH DATE MAY 5 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 26 1967

HELIOCENTRIC CONIC
 RL 150.88 LAL .00 LOL 223.83 VL 19.895 GAL 18.47 AZL 91.67 MCA 56.82 SMA 97.34 ECC .61036 INC 1.6673 V1 29.532
 RP 108.84 LAP -1.40 LOP 280.64 VP 32.790 GAP -37.09 AZP 90.91 TAL 167.20 TAP 224.03 RCA 37.93 APO 156.75 V2 34.817
 RC 64.892 GL -2.58 GP 2.63 ZAL 61.17 ZAP 23.71 ETS 188.29 ZAE 142.67 ETE 169.30 ZAC 137.98 ETC 27.02 CLP 23.57

PLANETOCENTRIC CONIC
 C3 148.633 VML 12.192 CLA 4.42 RAL 163.05 RAD 6570.6 VEL 16.431 PTH 2.87 VMP 21.727 DPA 24.23 RAP 127.74 ECC 3.4461
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 51 33 2820.55 -28.25 83.32 60.46 92.06 7 38 34 2220.6 -27.66 74.71
 90.00 19 55 19 5190.19 25.99 232.56 56.08 78.34 21 21 49 4590.2 24.12 224.39
 100.00 8 14 58 2551.50 -29.80 63.47 60.39 92.46 8 57 29 1951.5 -29.14 54.73
 100.00 21 14 35 4934.47 27.51 213.40 55.72 77.82 22 36 49 4334.5 25.55 205.15
 110.00 9 27 58 2323.04 -34.02 45.86 60.13 93.59 10 6 41 1723.0 -33.15 36.73
 110.00 22 18 5 4735.70 31.63 197.23 54.63 76.29 23 37 0 4135.7 29.42 188.72

DIFFERENTIAL CORRECTIONS
 TDE .7836 TRA-1.9478 TC3 -.1476 BAU .2965
 RDE -.8491 RRA -.5069 RC3 .0222 FAU .01335
 FDE -.4191 FRA .8170 FC3 -.0777 BSP 2982
 BDE 1.1866 BRA 2.0126 BC3 .1492 FSP -93

MID-COURSE EXECUTION ACCURACY
 SGT 1052.6 SGR 485.2 SG3 40.8
 RRT .0895 RRF -.0863 RTF -.7199
 SGB 1159.0 R23 -.0048 R13 -.7203
 SGI 1053.7 SGI 482.7 TMA 2.99

ORBIT DETERMINATION ACCURACY
 ST 460.0 SR 424.9 SS 428.8
 CRT -.6882 CRS -.7645 CST .9926
 LSA 712.8 MSA 260.0 SSA 15.2
 EL1 575.7 EL2 246.3 ALF 138.29

LAUNCH DATE MAY 5 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 28 1967

HELIOCENTRIC CONIC
 RL 150.88 LAL .00 LOL 223.83 VL 20.418 GAL 17.69 AZL 91.81 MCA 59.99 SMA 98.87 ECC .58610 INC 1.8065 V1 29.532
 RP 108.86 LAP -1.56 LOP 283.80 VP 33.103 GAP -35.47 AZP 90.90 TAL 166.46 TAP 226.45 RCA 40.92 APO 156.81 V2 34.810
 RC 62.843 GL -3.02 GP 2.72 ZAL 60.24 ZAP 22.32 ETS 188.86 ZAE 143.47 ETE 168.16 ZAC 136.34 ETC 26.17 CLP 22.16

PLANETOCENTRIC CONIC
 C3 135.488 VML 11.640 CLA 3.65 RAL 163.76 RAD 6570.5 VEL 16.026 PTH 2.83 VMP 20.883 DPA 23.95 RAP 129.65 ECC 3.2298
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 0 9 2779.41 -28.11 80.32 59.44 93.56 7 46 29 2179.4 -27.32 71.75
 90.00 19 52 23 5197.03 26.08 233.04 55.85 78.57 21 19 0 4597.0 24.24 224.86
 100.00 8 23 12 2511.54 -29.65 60.51 59.33 94.01 9 5 4 1911.5 -28.78 51.81
 100.00 21 12 2 4940.13 27.59 213.80 55.50 78.02 22 34 22 4340.1 25.66 205.53
 110.00 9 35 22 2285.70 -33.82 42.96 58.93 95.29 10 13 27 1685.7 -32.72 33.90
 110.00 22 16 21 4738.74 31.67 197.45 54.44 76.42 23 35 20 4138.7 29.48 188.93

DIFFERENTIAL CORRECTIONS
 TDE .7861 TRA-1.9561 TC3 -.1542 BAU .2832
 RDE -.8498 RRA -.4918 RC3 .0256 FAU .01357
 FDE -.4380 FRA .8434 FC3 -.0867 BSP 3111
 BDE 1.1577 BRA 2.0170 BC3 .1563 FSP -102

MID-COURSE EXECUTION ACCURACY
 SGT 1099.8 SGR 487.2 SG3 44.1
 RRT .0948 RRF -.0916 RTF -.7349
 SGB 1202.9 R23 -.0052 R13 -.7352
 SGI 1101.0 SGI 484.5 TMA 2.98

ORBIT DETERMINATION ACCURACY
 ST 483.3 SR 424.6 SS 449.6
 CRT -.6862 CRS -.7665 CST .9920
 LSA 739.2 MSA 263.5 SSA 15.4
 EL1 591.8 EL2 252.3 ALF 140.36

LAUNCH DATE MAY 5 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 30 1967

HELIOCENTRIC CONIC

DISTANCE 177.848

RL 150.88 LAL .00 LOL 223.83 VL 20.90H GAL 16.93 AZL 91.94 MCA 63.15 SMA 100.3H ECC .56251 INC 1.9370 V1 29.532
 RP 108.88 LAP -1.73 LOP 286.96 VP 33.402 GAP -33.92 ATP 90.88 TAL 165.75 TAP 228.90 RCA 43.92 APO 156.85 V2 34.805
 RC 60.850 GL -3.49 GP 2.83 ZAL 59.36 ZAP 20.95 ETS 189.54 ZAE 144.37 ETE 166.89 ZAC 134.67 ETC 25.38 CLP 20.77

PLANETOCENTRIC CONIC

C3 123.537 VML 11.115 CLA 2.87 RAL 164.41 RAD 6570.3 VEL 15.64H PTM 2.7H VMP 20.065 CPA 23.66 RAP 131.56 ECC 3.0331
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 8 32 2737.44 -27.90 77.27 58.32 95.08 7 54 10 2137.4 -26.90 68.75
 90.00 19 49 12 5203.33 26.17 233.49 55.52 78.77 21 15 55 4603.3 24.35 225.29
 100.00 8 31 13 2470.75 -29.41 57.50 58.16 95.58 9 12 24 1870.8 -28.33 48.86
 100.00 21 9 12 4945.26 27.66 214.17 55.18 78.19 22 31 37 4345.3 25.76 205.89
 110.00 9 42 32 2247.53 -33.54 40.02 57.62 97.01 10 20 0 1647.5 -32.21 31.04
 110.00 22 14 22 4741.24 31.71 197.64 54.13 76.52 23 33 23 4141.2 29.54 189.11

DIFFERENTIAL CORRECTIONS

TOE .7908 TRA-1.9609 TC3 -.1598 BAU .2683
 ROE -.8030 RRA -.4764 RC3 .0295 FAU .01383
 FDE -.4581 FRA -.8700 FC3 -.0969 BSP 3303
 BDE 1.1313 BRA 2.0179 BC3 .1625 FSP -111

MID-COURSE EXECUTION ACCURACY

SGT 1147.4 SGR 488.6 SG3 47.6
 RRT .0991 RRF -.0968 RTF -.7438
 SGB 1247.1 R23 -.0063 R13 -.7501
 SG1 1148.7 SG2 485.6 TMA 2.94

ORBIT DETERMINATION ACCURACY

ST 508.4 SR 423.5 SS 471.5
 CRT -.6856 CRS -.7687 CST .9916
 LSA 767.6 MSA 266.0 SSA 15.5
 EL1 609.7 EL2 257.1 ALF 142.50

LAUNCH DATE MAY 5 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 1 1967

HELIOCENTRIC CONIC

DISTANCE 184.126

RL 150.88 LAL .00 LOL 223.83 VL 21.36H GAL 16.21 AZL 92.06 MCA 66.31 SMA 101.8H ECC .53964 INC 2.0603 V1 29.532
 RP 108.90 LAP -1.83 LOP 290.13 VP 33.687 GAP -32.45 ATP 90.83 TAL 165.06 TAP 231.57 RCA 46.90 APO 156.86 V2 34.800
 RC 58.919 GL -3.98 GP 2.94 ZAL 58.53 ZAP 19.60 ETS 190.35 ZAE 145.36 ETE 165.46 ZAC 132.99 ETC 24.65 CLP 19.38

PLANETOCENTRIC CONIC

C3 112.671 VML 10.615 CLA 2.09 RAL 165.00 RAD 6570.1 VEL 15.297 PTM 2.74 VMP 19.274 CPA 23.35 RAP 133.47 ECC 2.8543
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 16 42 2694.62 -27.60 74.17 57.09 96.60 8 1 37 2094.6 -26.40 65.71
 90.00 19 45 42 5209.18 26.24 233.90 55.08 78.97 21 12 31 4609.2 24.46 225.68
 100.00 8 39 1 2429.11 -29.10 54.44 56.88 97.16 9 19 30 1829.1 -27.80 45.88
 100.00 21 6 4 4949.93 27.73 214.50 54.75 78.36 22 28 34 4349.9 25.84 206.21
 110.00 9 49 30 2208.52 -33.18 37.03 56.22 98.74 10 26 18 1608.5 -31.61 28.15
 110.00 22 12 5 4743.28 31.75 197.79 53.72 76.60 23 31 9 4143.3 29.58 189.25

DIFFERENTIAL CORRECTIONS

TOE .7955 TRA-1.9642 TC3 -.1646 BAU .2531
 ROE -.7688 RRA -.4608 RC3 .0339 FAU .01412
 FDE -.4792 FRA -.8973 FC3 -.1085 BSP 3507
 BDE 1.1063 BRA 2.0175 BC3 .1680 FSP -122

MID-COURSE EXECUTION ACCURACY

SGT 1196.7 SGR 489.2 SG3 51.5
 RRT .1037 RRF -.1024 RTF -.7642
 SGB 1292.8 R23 -.0075 R13 -.7645
 SG1 1198.0 SG2 486.0 TMA 2.91

ORBIT DETERMINATION ACCURACY

ST 534.6 SR 421.7 SS 494.3
 CRT -.6852 CRS -.7708 CST .9912
 LSA 797.4 MSA 267.9 SSA 15.7
 EL1 628.8 EL2 261.1 ALF 144.64

LAUNCH DATE MAY 5 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 3 1967

HELIOCENTRIC CONIC

DISTANCE 190.466

RL 150.88 LAL .00 LOL 223.83 VL 21.799 GAL 15.52 AZL 92.18 MCA 69.48 SMA 103.36 ECC .51753 INC 2.1778 V1 29.532
 RP 108.91 LAP -2.04 LOP 293.29 VP 33.957 GAP -31.03 ATP 90.76 TAL 164.39 TAP 233.87 RCA 49.87 APO 156.84 V2 34.795
 RC 57.057 GL -4.52 GP 3.07 ZAL 57.77 ZAP 18.26 ETS 191.31 ZAE 146.47 ETE 163.86 ZAC 131.29 ETC 23.96 CLP 18.01

PLANETOCENTRIC CONIC

C3 102.793 VML 10.139 CLA 1.30 RAL 165.52 RAD 6570.0 VEL 14.971 PTM 2.70 VMP 18.509 CPA 23.03 RAP 135.39 ECC 2.6917
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 24 41 2650.92 -27.22 71.03 55.76 98.13 8 8 52 2050.9 -25.81 62.65
 90.00 19 41 54 5214.69 26.32 234.29 54.54 79.15 21 8 49 4614.7 24.55 226.06
 100.00 8 46 37 2386.60 -28.70 51.35 55.52 98.74 9 26 24 1786.6 -27.19 42.87
 100.00 21 2 38 4954.25 27.79 214.81 54.21 78.51 22 25 13 4354.2 25.92 206.50
 110.00 9 56 15 2168.66 -32.72 34.01 54.72 100.48 10 32 24 1568.7 -30.93 25.25
 110.00 22 9 30 4744.94 31.77 197.91 53.20 76.67 23 28 35 4144.9 29.61 189.37

DIFFERENTIAL CORRECTIONS

TOE .7972 TRA-1.9689 TC3 -.1697 BAU .2392
 ROE -.7292 RRA -.4450 RC3 .0387 FAU .01443
 FDE -.5009 FRA -.9256 FC3 -.1215 BSP 3649
 BDE 1.0804 BRA 2.0185 BC3 .1741 FSP -133

MID-COURSE EXECUTION ACCURACY

SGT 1249.0 SGR 489.1 SG3 55.6
 RRT .1101 RRF -.1089 RTF -.7772
 SGB 1341.4 R23 -.0081 R13 -.7775
 SG1 1250.4 SG2 485.6 TMA 2.91

ORBIT DETERMINATION ACCURACY

ST 560.8 SR 418.9 SS 517.8
 CRT -.6830 CRS -.7726 CST .9905
 LSA 827.7 MSA 269.7 SSA 15.9
 EL1 648.0 EL2 264.8 ALF 146.71

LAUNCH DATE MAY 5 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 5 1967

HELIOCENTRIC CONIC

DISTANCE 196.862

RL 150.88 LAL .00 LOL 223.83 VL 22.203 GAL 14.85 AZL 92.29 MCA 72.64 SMA 104.81 ECC .49618 INC 2.2904 V1 29.532
 RP 108.92 LAP -2.19 LOP 296.45 VP 34.215 GAP -29.67 ATP 90.68 TAL 163.75 TAP 236.39 RCA 52.80 APO 156.81 V2 34.792
 RC 55.270 GL -5.08 GP 3.20 ZAL 57.07 ZAP 16.94 ETS 192.46 ZAE 147.67 ETE 162.03 ZAC 129.58 ETC 23.31 CLP 16.64

PLANETOCENTRIC CONIC

C3 93.813 VML 9.686 CLA .49 RAL 165.98 RAD 6569.8 VEL 14.668 PTM 2.66 VMP 17.767 CPA 22.70 RAP 137.31 ECC 2.5439
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 32 28 2606.32 -26.75 67.85 54.35 99.66 8 15 54 2006.3 -25.14 59.55
 90.00 19 37 46 5219.97 26.38 234.66 53.90 79.32 21 4 46 4620.0 24.64 226.42
 100.00 8 54 2 2343.20 -28.21 48.21 54.06 100.32 9 33 5 1743.2 -26.50 39.83
 100.00 20 58 53 4958.32 27.84 215.10 53.58 78.65 22 21 31 4358.3 25.99 206.78
 110.00 10 2 48 2127.95 -32.18 30.96 53.15 102.21 10 38 16 1528.0 -30.16 22.33
 110.00 22 6 36 4746.34 31.79 198.01 52.58 76.73 23 25 42 4146.3 29.64 189.46

DIFFERENTIAL CORRECTIONS

TOE .8011 TRA-1.9698 TC3 -.1731 BAU .2241
 ROE -.6902 RRA -.4291 RC3 .0442 FAU .01478
 FDE -.5242 FRA -.9545 FC3 -.1364 BSP 3852
 BDE 1.0574 BRA 2.0160 BC3 .1787 FSP -146

MID-COURSE EXECUTION ACCURACY

SGT 1301.9 SGR 488.3 SG3 60.2
 RRT .1159 RRF -.1157 RTF -.7902
 SGB 1390.4 R23 -.0095 R13 -.7905
 SG1 1303.3 SG2 484.5 TMA 2.89

ORBIT DETERMINATION ACCURACY

ST 588.9 SR 415.3 SS 542.5
 CRT -.6822 CRS -.7744 CST .9900
 LSA 860.4 MSA 270.4 SSA 16.0
 EL1 669.3 EL2 267.2 ALF 148.79

LAUNCH DATE MAY 5 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 7 1967

HELIOCENTRIC CONIC

DISTANCE 293.308

RL 150.88 LAL .00 LOL 223.83 VL 22.582 GAL 14.21 AZL 92.40 MCA 75.80 SMA 106.23 ECC .47563 INC 2.3993 V1 29.532
 RP 108.93 LAP -2.33 LOP 299.61 VP 34.459 GAP -28.37 A7P 90.53 TAL 163.14 TAP 238.94 RCA 55.70 APO 156.76 V2 34.789
 RC 53.566 GL -5.68 GP 3.35 ZAL 56.43 ZAP 15.63 ETS 193.87 ZAE 148.97 ETE 159.94 ZAC 127.85 ETC 22.71 CLP 15.27

PLANETOCENTRIC CONIC

C3 85.652 VHL 9.255 OLA -1.33 RAL 166.57 RAD 6569.7 VEL 14.387 PTH 2.62 VMP 17.049 DPA 22.36 RAP 139.22 ECC 2.4096
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 40 5 2560.81 -26.19 64.64 52.86 101.18 8 22 46 1960.8 -24.38 56.44
 90.00 19 33 16 5225.16 26.45 235.02 53.16 79.50 21 0 21 4625.2 24.73 226.78
 100.00 9 1 17 2298.92 -27.63 45.05 52.55 101.89 9 39 36 1698.9 -25.71 36.77
 100.00 20 54 45 4962.29 27.89 215.38 52.84 78.79 22 17 28 4362.3 26.06 207.06
 110.00 10 9 10 2086.40 -31.54 27.89 51.50 103.92 10 43 57 1486.4 -29.31 19.39
 110.00 22 3 21 4747.58 31.81 198.10 51.87 76.78 23 22 29 4147.6 29.67 189.55

DIFFERENTIAL CORRECTIONS

TDE .0052 TRA-1.9688 TC3 -.1753 BAU .2088
 RDE -.6518 RRA -.4133 RC3 .0502 FAU .01518
 FDE -.5489 FRA .9841 FC3 -.1534 BSP 4063
 BDE 1.0359 BRA 2.0117 BC3 .1824 FSP -160

MID-COURSE EXECUTION ACCURACY

SGT 1356.3 SGR 486.8 SG3 65.1
 RRT .1221 RRF -.1232 RTE -.8026
 SGB 1441.0 R23 -.0111 R13 -.8029
 SG1 1357.7 SG2 482.6 TMA 2.87

ORBIT DETERMINATION ACCURACY

ST 618.3 SR 410.8 SS 568.6
 CRT -.6816 CRS -.7763 CST .9896
 LSA 894.9 MSA 270.4 SSA 16.1
 EL1 692.0 EL2 268.6 ALF 150.83

LAUNCH DATE MAY 5 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC

DISTANCE 209.801

RL 150.88 LAL .00 LOL 223.83 VL 22.937 GAL 13.59 AZL 92.51 MCA 78.96 SMA 107.62 ECC .45588 INC 2.5051 V1 29.532
 RP 108.94 LAP -2.46 LOP 302.77 VP 34.690 GAP -27.11 A7P 90.48 TAL 162.56 TAP 241.52 RCA 58.56 APO 156.68 V2 34.786
 RC 51.953 GL -6.33 GP 3.52 ZAL 55.85 ZAP 24.34 ETS 195.59 ZAE 150.36 ETE 157.53 ZAC 126.11 ETC 22.15 CLP 13.91

PLANETOCENTRIC CONIC

C3 78.239 VHL 8.845 OLA -1.16 RAL 166.69 RAD 6569.5 VEL 14.128 PTH 2.57 VMP 16.354 DPA 22.02 RAP 141.14 ECC 2.2876
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 47 33 2514.39 -25.53 61.40 51.29 102.68 8 29 28 1914.4 -23.53 53.30
 90.00 19 28 23 5230.40 26.51 235.39 52.32 79.67 20 55 33 4630.4 24.82 227.14
 100.00 9 8 22 2253.75 -26.96 41.86 50.93 103.43 9 45 55 1653.7 -24.84 33.70
 100.00 20 50 16 4966.28 27.95 215.67 52.02 78.93 22 13 2 4366.3 26.14 207.33
 110.00 10 15 22 2044.00 -30.80 24.80 49.79 105.61 10 49 26 1444.0 -28.36 16.46
 110.00 21 59 45 4748.79 31.83 198.19 51.06 76.83 23 18 54 4148.8 29.69 189.64

DIFFERENTIAL CORRECTIONS

TDE .0091 TRA-1.9663 TC3 -.1761 BAU .1936
 RDE -.6141 RRA -.3976 RC3 .0569 FAU .01561
 FDE -.5753 FRA 1.0148 FC3 -.1728 BSP 4278
 BDE 1.0158 BRA 2.0061 BC3 .1851 FSP -175

MID-COURSE EXECUTION ACCURACY

SGT 1412.3 SGR 484.5 SG3 70.4
 RRT .1291 RRF -.1315 RTE -.8144
 SGB 1493.1 R23 -.0128 R13 -.8148
 SG1 1413.9 SG2 479.9 TMA 2.87

ORBIT DETERMINATION ACCURACY

ST 648.7 SR 405.2 SS 595.9
 CRT -.6808 CRS -.7780 CST .9891
 LSA 931.2 MSA 269.7 SSA 16.2
 EL1 716.1 EL2 268.9 ALF 152.82

LAUNCH DATE MAY 5 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 216.336

RL 150.88 LAL .00 LOL 223.83 VL 23.269 GAL 13.00 AZL 92.61 MCA 82.12 SMA 108.98 ECC .43693 INC 2.6087 V1 29.532
 RP 108.94 LAP -2.58 LOP 305.93 VP 34.909 GAP -25.91 A7P 90.36 TAL 162.02 TAP 244.13 RCA 61.36 APO 156.59 V2 34.785
 RC 50.440 GL -7.01 GP 3.69 ZAL 55.34 ZAP 13.08 ETS 197.74 ZAE 151.83 ETE 154.73 ZAC 124.36 ETC 21.62 CLP 12.55

PLANETOCENTRIC CONIC

C3 71.510 VHL 8.456 OLA -2.01 RAL 166.95 RAD 6569.4 VEL 13.887 PTH 2.54 VMP 15.680 DPA 21.67 RAP 143.04 ECC 2.1769
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 54 54 2467.06 -24.79 58.13 49.67 104.15 8 36 1 1867.1 -22.60 50.14
 90.00 19 23 5 5235.86 26.58 235.78 51.40 79.85 20 50 21 4635.9 24.91 227.51
 100.00 9 15 18 2207.68 -26.19 38.66 49.27 104.96 9 52 6 1607.7 -23.88 30.62
 100.00 20 45 22 4970.47 28.00 215.96 51.11 79.08 22 8 12 4370.5 26.21 207.62
 110.00 10 21 24 2000.78 -29.97 21.71 48.03 107.26 10 54 44 1400.8 -27.32 13.53
 110.00 21 55 45 4750.13 31.85 198.29 50.16 76.89 23 14 55 4150.1 29.72 189.73

DIFFERENTIAL CORRECTIONS

TDE .0131 TRA-1.9619 TC3 -.1754 BAU .1786
 RDE -.5770 RRA -.3822 RC3 .0644 FAU .01609
 FDE -.6034 FRA 1.0465 FC3 -.1948 BSP 4496
 BDE .9970 BRA 1.9988 BC3 .1868 FSP -192

MID-COURSE EXECUTION ACCURACY

SGT 1469.9 SGR 481.5 SG3 76.3
 RRT .1370 RRF -.1409 RTE -.8256
 SGB 1546.8 R23 -.0146 R13 -.8260
 SG1 1471.6 SG2 476.4 TMA 2.87

ORBIT DETERMINATION ACCURACY

ST 640.3 SR 398.6 SS 624.6
 CRT -.6800 CRS -.7795 CST .9886
 LSA 969.3 MSA 268.4 SSA 16.3
 EL1 741.5 EL2 268.2 ALF 154.75

LAUNCH DATE MAY 5 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC

DISTANCE 222.908

RL 150.88 LAL .00 LOL 223.83 VL 23.581 GAL 12.43 AZL 92.71 MCA 85.28 SMA 110.30 ECC .41878 INC 2.7107 V1 29.532
 RP 108.94 LAP -2.70 LOP 309.10 VP 35.117 GAP -24.75 A7P 90.22 TAL 161.50 TAP 246.78 RCA 64.11 APO 156.49 V2 34.784
 RC 49.035 GL -7.74 GP 3.89 ZAL 54.90 ZAP 11.84 ETS 200.44 ZAE 153.36 ETE 151.46 ZAC 122.61 ETC 21.13 CLP 11.19

PLANETOCENTRIC CONIC

C3 65.406 VHL 8.087 OLA -2.88 RAL 167.13 RAD 6569.2 VEL 13.666 PTH 2.50 VMP 15.029 DPA 21.33 RAP 144.95 ECC 2.0764
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 2 7 2418.79 -23.94 54.85 47.99 105.59 8 42 26 1818.8 -21.57 46.98
 90.00 19 17 20 5241.73 26.65 236.19 50.40 80.05 20 44 42 4641.7 25.00 227.91
 100.00 9 22 7 2160.74 -25.32 35.44 47.56 106.44 9 58 7 1560.7 -22.83 27.53
 100.00 20 40 2 4975.02 28.06 216.29 50.11 79.25 22 2 57 4375.0 26.29 207.94
 110.00 10 27 16 1956.76 -29.04 18.62 46.23 108.88 10 59 53 1356.8 -26.19 10.60
 110.00 21 51 21 4751.75 31.88 198.41 49.18 76.95 23 10 33 4151.8 29.76 189.85

DIFFERENTIAL CORRECTIONS

TDE .0173 TRA-1.9559 TC3 -.1727 BAU .1638
 RDE -.5406 RRA -.3671 RC3 .0726 FAU .01662
 FDE -.6338 FRA 1.0795 FC3 -.2200 BSP 4715
 BDE .9799 BRA 1.9900 BC3 .1874 FSP -211

MID-COURSE EXECUTION ACCURACY

SGT 1529.1 SGR 477.8 SG3 82.6
 RRT .1461 RRF -.1516 RTE -.8363
 SGB 1602.0 R23 -.0167 R13 -.8366
 SG1 1530.9 SG2 472.1 TMA 2.89

ORBIT DETERMINATION ACCURACY

ST 713.2 SR 390.9 SS 655.0
 CRT -.6790 CRS -.7808 CST .9882
 LSA 1009.6 MSA 266.3 SSA 16.4
 EL1 768.4 EL2 266.3 ALF 156.61

LAUNCH DATE MAY 5 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC

DISTANCE 229.513

RL 150.88 LAL .00 LOL 223.83 VL 23.872 GAL 11.88 AZL 92.81 MCA 88.44 SMA 111.58 ECC .40144 INC 2.8117 VI 29.532
 RP 108.94 LAP -2.81 LOP 312.26 VP 35.313 GAP -23.63 A7P 90.08 TAL 161.02 TAP 249.46 RCA 66.79 APO 156.37 V2 34.784
 RC 47.750 GL -8.52 GP 4.11 ZAL 54.53 ZAP 10.64 ETS 203.89 ZAE 154.92 ETE 147.59 ZAC 120.85 ETC 20.67 CLP 9.82

PLANETOCENTRIC CONIC

C3 59.875 VML 7.738 CLA -3.78 RAL 167.25 RAD 6569.1 VEL 13.462 PTH 2.46 VMP 14.398 DPA 20.98 RAP 146.84 ECC 1.9854
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 9 14 2369.61 -23.00 51.55 46.28 106.98 8 48 44 1769.6 -20.46 43.80
 90.00 19 11 7 5248.20 26.72 236.65 49.33 80.27 20 38 35 4648.2 25.11 228.36
 100.00 9 28 49 2112.91 -24.36 32.21 45.81 107.88 10 4 2 1512.9 -21.69 24.43
 100.00 20 34 14 4980.12 28.12 218.66 49.05 79.43 21 57 14 4380.1 26.38 208.29
 110.00 10 33 0 1911.97 -28.02 15.54 44.40 110.44 11 4 52 1312.0 -24.98 7.69
 110.00 21 46 32 4753.84 31.91 198.57 48.14 77.04 23 5 45 4153.8 29.80 189.99

DIFFERENTIAL CORRECTIONS

TDE .8192 TRA-1.9503 TC3 -.1697 BAU .1507
 RDE -.5049 RRA -.3525 RC3 .0817 FAU .01718
 FDE -.6661 FRA 1.1143 FC3 -.2485 BSP 4878
 BDE .9623 BRA 1.9819 BC3 .1883 FSP -230

MID-COURSE EXECUTION ACCURACY

SGT 1591.0 SGR 473.5 SG3 89.6
 RRT .1575 RRF -.1641 RTF -.8457
 SGB 1660.0 R23 -.0185 R13 -.8460
 SGI 1592.9 SG2 467.0 TMA 2.94

ORBIT DETERMINATION ACCURACY

ST 746.0 SR 382.0 SS 686.9
 CRT -.6763 CRS -.7816 CST .9875
 LSA 1050.8 MSA 264.2 SSA 16.6
 EL1 795.5 EL2 263.9 ALF 158.40

LAUNCH DATE MAY 5 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 236.146

RL 150.88 LAL .00 LOL 223.83 VL 24.144 GAL 11.36 AZL 92.91 MCA 91.60 SMA 112.82 ECC .38489 INC 2.9125 VI 29.532
 RP 108.94 LAP -2.91 LOP 315.42 VP 35.498 GAP -22.56 A7P 89.92 TAL 160.58 TAP 252.18 RCA 69.40 APO 156.25 V2 34.785
 RC 46.594 GL -9.34 GP 4.35 ZAL 54.23 ZAP 9.49 ETS 208.36 ZAE 156.47 ETE 143.01 ZAC 119.09 ETC 20.23 CLP 8.44

PLANETOCENTRIC CONIC

C3 54.866 VML 7.407 CLA -4.70 RAL 167.29 RAD 6569.0 VEL 13.275 PTH 2.43 VMP 13.787 DPA 20.65 RAP 148.73 ECC 1.9030
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 16 18 2319.50 -21.97 48.24 44.53 108.33 8 54 57 1719.5 -19.26 40.61
 90.00 19 4 23 5255.48 26.81 237.17 48.19 80.51 20 31 58 4655.5 25.22 228.86
 100.00 9 35 26 2064.22 -23.30 28.98 44.03 109.27 10 9 50 1464.2 -20.46 21.33
 100.00 20 27 56 4985.99 28.20 217.08 47.91 79.64 21 51 2 4386.0 26.48 208.70
 110.00 10 38 37 1868.41 -26.89 12.47 42.54 111.94 11 9 44 1266.4 -23.68 4.79
 110.00 21 41 14 4756.57 31.95 198.77 47.02 77.15 23 0 30 4156.6 29.85 190.19

DIFFERENTIAL CORRECTIONS

TDE .8241 TRA-1.9403 TC3 -.1625 BAU .1368
 RDE -.4697 RRA -.3385 RC3 .0916 FAU .01783
 FDE -.7017 FRA 1.1501 FC3 -.2813 BSP 5103
 BDE .9486 BRA 1.9696 BC3 .1865 FSP -252

MID-COURSE EXECUTION ACCURACY

SGT 1652.9 SGR 468.5 SG3 97.2
 RRT .1695 RRF -.1781 RTF -.8552
 SGB 1718.0 R23 -.0211 R13 -.8556
 SGI 1654.9 SG2 461.1 TMA 2.98

ORBIT DETERMINATION ACCURACY

ST 781.3 SR 371.8 SS 721.1
 CRT -.6748 CRS -.7822 CST .9871
 LSA 1095.6 MSA 260.9 SSA 16.7
 EL1 825.4 EL2 259.8 ALF 160.15

LAUNCH DATE MAY 5 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 242.804

RL 150.88 LAL .00 LOL 223.83 VL 24.399 GAL 10.86 AZL 93.01 MCA 94.76 SMA 114.02 ECC .36913 INC 3.0136 VI 29.532
 RP 108.94 LAP -3.00 LOP 318.59 VP 35.673 GAP -21.52 A7P 89.75 TAL 160.18 TAP 254.93 RCA 71.93 APO 156.11 V2 34.786
 RC 45.578 GL -10.23 GP 4.61 ZAL 54.00 ZAP 8.43 ETS 214.22 ZAE 157.95 ETE 137.59 ZAC 117.33 ETC 19.83 CLP 7.06

PLANETOCENTRIC CONIC

C3 50.338 VML 7.095 CLA -5.64 RAL 167.25 RAD 6568.9 VEL 13.103 PTH 2.39 VMP 13.196 DPA 20.32 RAP 150.61 ECC 1.8284
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 23 19 2268.45 -20.84 44.92 42.76 109.62 9 1 7 1668.5 -17.97 37.42
 90.00 18 57 5 5263.81 26.90 237.76 46.99 80.80 20 24 49 4663.8 25.35 229.44
 100.00 9 41 59 2014.65 -22.15 25.74 42.24 110.60 10 15 34 1414.7 -19.15 18.23
 100.00 20 21 5 4992.84 28.28 217.57 46.72 79.88 21 44 18 4392.8 26.59 209.17
 110.00 10 44 8 1820.12 -25.68 9.42 40.68 113.38 11 14 28 1220.1 -22.29 1.90
 110.00 21 35 27 4760.14 32.01 199.03 45.85 77.30 22 54 47 4160.1 29.93 190.44

DIFFERENTIAL CORRECTIONS

TDE .8296 TRA-1.9281 TC3 -.1525 BAU .1237
 RDE -.4352 RRA -.3251 RC3 .1026 FAU .01854
 FDE -.7406 FRA 1.1877 FC3 -.3188 BSP 5331
 BDE .9368 BRA 1.9553 BC3 .1838 FSP -276

MID-COURSE EXECUTION ACCURACY

SGT 1715.7 SGR 462.9 SG3 105.5
 RRT .1836 RRF -.1943 RTF -.8642
 SGB 1777.1 R23 -.0241 R13 -.8647
 SGI 1718.0 SG2 454.4 TMA 3.05

ORBIT DETERMINATION ACCURACY

ST 818.0 SR 360.3 SS 757.6
 CRT -.6729 CRS -.7823 CST .9867
 LSA 1143.1 MSA 256.9 SSA 16.7
 EL1 856.9 EL2 254.4 ALF 161.83

LAUNCH DATE MAY 5 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 249.483

RL 150.88 LAL .00 LOL 223.83 VL 24.637 GAL 10.38 AZL 93.12 MCA 97.92 SMA 115.17 ECC .35413 INC 3.1156 VI 29.532
 RP 108.93 LAP -3.09 LOP 321.75 VP 35.838 GAP -20.52 A7P 89.57 TAL 159.81 TAP 257.72 RCA 74.59 APO 155.96 V2 34.788
 RC 44.711 GL -11.17 GP 4.91 ZAL 53.85 ZAP 7.49 ETS 221.91 ZAE 159.31 ETE 131.19 ZAC 115.57 ETC 19.44 CLP 5.66

PLANETOCENTRIC CONIC

C3 46.250 VML 6.801 CLA -6.62 RAL 167.14 RAD 6568.7 VEL 12.947 PTH 2.36 VMP 12.624 DPA 20.01 RAP 152.48 ECC 1.7612
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 30 19 2216.46 -19.61 41.60 40.97 110.84 9 7 16 1616.5 -16.60 34.22
 90.00 18 49 11 5273.44 27.00 238.45 45.73 81.13 20 17 4 4673.4 25.50 230.10
 100.00 9 48 31 1964.22 -20.91 22.51 40.43 111.86 10 21 15 1364.2 -17.76 15.14
 100.00 20 13 41 5000.92 28.37 218.15 45.48 80.18 21 37 2 4400.9 26.72 209.74
 110.00 10 49 33 1773.12 -24.37 6.39 38.82 114.74 11 19 6 1173.1 -20.83 359.04
 110.00 21 29 8 4764.78 32.07 199.38 44.63 77.49 22 48 33 4164.8 30.02 190.77

DIFFERENTIAL CORRECTIONS

TDE .8358 TRA-1.9141 TC3 -.1394 BAU .1115
 RDE -.4012 RRA -.3125 RC3 .1145 FAU .01932
 FDE -.7834 FRA 1.2271 FC3 -.3616 BSP 5560
 BDE .9271 BRA 1.9394 BC3 .1804 FSP -303

MID-COURSE EXECUTION ACCURACY

SGT 1779.7 SGR 456.9 SG3 114.6
 RRT .2001 RRF -.2133 RTF -.8728
 SGB 1837.4 R23 -.0275 R13 -.8733
 SGI 1782.2 SG2 447.0 TMA 3.14

ORBIT DETERMINATION ACCURACY

ST 856.2 SR 347.3 SS 796.6
 CRT -.6704 CRS -.7815 CST .9863
 LSA 1193.4 MSA 252.3 SSA 16.8
 EL1 890.0 EL2 247.9 ALF 163.47

LAUNCH DATE MAY 5 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 256.179

RL 150.88 LAL .00 LOL 223.83 VL 24.45H GAL 9.92 AZL 93.22 MCA 101.04 SMA 116.28 ECC .33390 INC 3.2192 V1 29.532
 RP 108.92 LAP -3.16 LOP 324.92 VP 35.994 GAP -13.55 AZP 89.38 TAL 159.48 TAP 260.55 RCA 76.76 APO 155.81 V2 34.791
 RC 44.000 GL -12.17 GP 5.24 ZAL 53.78 ZAP 6.74 ETS 231.88 ZAE 160.44 ETE 123.76 ZAC 113.81 ETC 19.08 CLP 4.25

PLANETOCENTRIC CONIC

C3 42.565 VML 6.524 CLA -7.62 RAL 166.95 RAD 656H.6 VEL 12.804 PTH 2.33 VHP 12.071 OPA 19.72 RAP 154.34 ECC 1.7005
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 37 21 2163.49 -18.30 38.27 59.19 112.00 9 13 25 1563.5 -15.15 31.01
 90.00 18 40 38 5284.64 27.12 239.25 44.44 81.51 20 8 43 4684.6 25.66 230.88
 100.00 9 55 2 1912.90 -19.58 19.29 38.63 113.05 10 26 55 1312.9 -16.29 12.04
 100.00 20 5 38 5010.47 28.48 218.84 44.19 80.52 21 29 9 4410.5 26.88 210.40
 110.00 10 34 54 1725.43 -22.98 3.39 36.96 116.03 11 23 40 1125.4 -19.29 356.19
 110.00 21 22 15 4770.70 32.16 199.82 43.37 77.74 22 41 46 4170.7 30.14 191.19

DIFFERENTIAL CORRECTIONS

TOE .8430 TRA-1.8978 TC3 -.1229 BAU .1008
 RDE -.3676 RRA -.3008 RC3 .1276 FAU .02018
 FDE -.8307 FRA 1.2686 FC3 -.4104 BSP 5796
 BDE .9197 BRA 1.9215 BC3 .1771 FSP -333

MID-COURSE EXECUTION ACCURACY

SGT 1844.3 SGR 450.5 SG3 124.7
 RRT .2199 RRF -.2356 RTF -.8809
 SGB 1838.5 R23 -.0314 R13 -.8814
 SGI 1847.1 SG2 458.9 TMA 3.25

ORBIT DETERMINATION ACCURACY

ST 895.9 SR 332.7 SS 838.4
 CRT -.6668 CRS -.7797 CST .9861
 LSA 1246.9 MSA 247.1 SSA 16.8
 EL1 925.0 EL2 240.1 ALF 165.06

LAUNCH DATE MAY 5 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 262.889

RL 150.88 LAL .00 LOL 223.83 VL 25.065 GAL 9.48 AZL 93.33 MCA 104.24 SMA 117.34 ECC .32642 INC 3.3251 V1 29.532
 RP 108.91 LAP -3.22 LOP 328.09 VP 36.140 GAP -18.62 AZP 89.18 TAL 159.19 TAP 263.42 RCA 79.04 APO 155.65 V2 34.795
 RC 43.455 GL -13.23 GP 5.60 ZAL 53.79 ZAP 6.27 ETS 244.19 ZAE 161.25 ETE 115.35 ZAC 112.06 ETC 18.74 CLP 2.81

PLANETOCENTRIC CONIC

C3 39.252 VML 6.265 CLA -8.67 RAL 166.68 RAD 656H.5 VEL 12.674 PTH 2.30 VHP 11.537 OPA 19.46 RAP 156.19 ECC 1.6460
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 44 27 2109.52 -16.89 34.94 57.40 113.07 9 19 36 1509.5 -13.62 27.78
 90.00 18 31 23 5297.70 27.24 240.18 43.10 81.96 19 59 40 4697.7 25.85 231.79
 100.00 10 1 35 1860.69 -18.15 16.06 36.83 114.17 10 32 35 1260.7 -14.74 8.94
 100.00 19 56 56 5021.76 28.61 219.66 42.87 80.94 21 20 38 4421.8 27.06 211.20
 110.00 11 0 13 1677.07 -21.51 .41 35.11 117.23 11 28 10 1077.1 -17.68 353.37
 110.00 21 14 47 4778.15 32.27 200.37 42.09 78.05 22 34 25 4178.1 30.29 191.72

DIFFERENTIAL CORRECTIONS

TOE .8511 TRA-1.8797 TC3 -.1027 BAU .0919
 RDE -.3344 RRA -.2901 RC3 .1418 FAU .02113
 FDE -.8831 FRA 1.3125 FC3 -.4659 BSP 6024
 BDE .9144 BRA 1.9019 BC3 .1751 FSP -365

MID-COURSE EXECUTION ACCURACY

SGT 1909.4 SGR 444.0 SG3 135.7
 RRT .2428 RRF -.2618 RTF -.8884
 SGB 1960.4 R23 -.0357 R13 -.8890
 SGI 1912.6 SG2 430.0 TMA 3.40

ORBIT DETERMINATION ACCURACY

ST 937.0 SR 316.3 SS 883.3
 CRT -.6615 CRS -.7763 CST .9858
 LSA 1303.7 MSA 241.6 SSA 16.8
 EL1 961.5 EL2 231.1 ALF 166.63

LAUNCH DATE MAY 5 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 269.609

RL 150.88 LAL .00 LOL 223.83 VL 25.25H GAL 9.06 AZL 93.43 MCA 107.40 SMA 118.36 ECC .31366 INC 3.4340 V1 29.532
 RP 108.90 LAP -3.28 LOP 331.25 VP 36.278 GAP -17.71 AZP 88.97 TAL 158.94 TAP 266.33 RCA 81.23 APO 155.48 V2 34.799
 RC 43.079 GL -14.36 GP 6.01 ZAL 53.88 ZAP 6.16 ETS 258.07 ZAE 161.67 ETE 106.24 ZAC 110.32 ETC 18.42 CLP 1.36

PLANETOCENTRIC CONIC

C3 36.279 VML 6.023 CLA -9.75 RAL 166.32 RAD 656H.4 VEL 12.556 PTH 2.28 VHP 11.020 OPA 19.24 RAP 158.03 ECC 1.5971
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 51 40 2054.49 -15.39 31.59 55.64 114.07 9 25 54 1454.5 -12.01 24.55
 90.00 18 21 21 5312.93 27.38 241.28 41.75 82.49 19 49 54 4712.9 26.06 232.86
 100.00 10 8 12 1807.55 -16.64 12.84 35.04 115.20 10 38 20 1207.6 -13.11 5.83
 100.00 19 47 30 5035.10 28.75 220.62 41.53 81.43 21 11 25 4435.1 27.26 212.14
 110.00 11 5 32 1628.04 -19.95 357.46 33.28 118.35 11 32 40 1028.0 -16.01 350.56
 110.00 21 6 39 4787.38 32.40 201.06 40.78 78.44 22 26 27 4187.4 30.46 192.38

DIFFERENTIAL CORRECTIONS

TOE .8605 TRA-1.8592 TC3 -.1078 BAU .0852
 RDE -.3013 RRA -.2807 RC3 .1572 FAU .02217
 FDE -.9416 FRA 1.3588 FC3 -.5290 BSP 6252
 BDE .9118 BRA 1.8803 BC3 .1757 FSP -401

MID-COURSE EXECUTION ACCURACY

SGT 1974.6 SGR 437.5 SG3 147.9
 RRT .2704 RRF -.2928 RTF -.8956
 SGB 2022.5 R23 -.0407 R13 -.8962
 SGI 1978.3 SG2 420.4 TMA 3.59

ORBIT DETERMINATION ACCURACY

ST 979.7 SR 298.0 SS 931.7
 CRT -.6539 CRS -.7705 CST .9857
 LSA 1364.2 MSA 235.5 SSA 16.8
 EL1 999.9 EL2 220.9 ALF 168.17

LAUNCH DATE MAY 5 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 276.338

RL 150.88 LAL .00 LOL 223.83 VL 25.43H GAL 8.66 AZL 93.55 MCA 110.56 SMA 119.33 ECC .30161 INC 3.5468 V1 29.532
 RP 108.88 LAP -3.32 LOP 334.42 VP 36.408 GAP -16.84 AZP 88.75 TAL 158.72 TAP 269.28 RCA 83.34 APO 155.32 V2 34.804
 RC 42.876 GL -15.56 GP 6.47 ZAL 54.06 ZAP 6.47 ETS 271.83 ZAE 161.62 ETE 96.88 ZAC 108.58 ETC 18.12 CLP -.13

PLANETOCENTRIC CONIC

C3 33.621 VML 5.798 CLA -10.87 RAL 165.89 RAD 656H.3 VEL 12.450 PTH 2.25 VHP 10.522 OPA 19.06 RAP 159.85 ECC 1.5533
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 59 3 1998.31 -13.80 28.23 33.90 114.97 9 32 22 1398.3 -10.32 21.28
 90.00 18 10 29 5330.68 27.54 242.55 40.37 83.12 19 39 20 4730.7 26.30 234.11
 100.00 10 14 57 1753.43 -15.04 9.61 33.28 116.14 10 44 11 1153.4 -11.41 2.71
 100.00 19 37 16 5050.80 28.90 221.77 40.17 82.01 21 1 27 4450.8 27.49 213.24
 110.00 11 10 52 1578.34 -18.32 354.53 31.49 119.38 11 37 10 978.3 -14.26 347.76
 110.00 20 57 50 4798.65 32.55 201.91 39.46 78.92 22 17 49 4198.7 30.68 193.19

DIFFERENTIAL CORRECTIONS

TOE .8704 TRA-1.8373 TC3 -.0503 BAU .0814
 RDE -.2682 RRA -.2726 RC3 .1740 FAU .02332
 FDE -1.0072 FRA 1.4079 FC3 -.6005 BSP 6463
 BDE .9108 BRA 1.8574 BC3 .1811 FSP -442

MID-COURSE EXECUTION ACCURACY

SGT 2039.8 SGR 431.5 SG3 161.2
 RRT .3038 RRF -.3295 RTF -.9022
 SGB 2084.9 R23 -.0461 R13 -.9029
 SGI 2044.2 SG2 410.2 TMA 3.83

ORBIT DETERMINATION ACCURACY

ST 1023.4 SR 277.6 SS 984.0
 CRT -.6418 CRS -.7611 CST .9855
 LSA 1428.2 MSA 229.5 SSA 16.7
 EL1 1039.5 EL2 209.6 ALF 169.70

LAUNCH DATE MAY 5 1967

FLIGHT TIME 118.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC
 RL 150.88 LAL .00 LOL 223.83 VL 25.605 GAL 8.28 AZL 93.66 HCA 113.72 SMA 120.25 ECC .29025 INC 3.6644 VI 29.532
 RP 108.87 LAP -3.35 LOP 337.59 VP 36.530 GAP -16.00 AZP 88.52 TAL 158.55 TAP 272.27 RCA H5.35 APO 155.15 V2 34.809
 RC 42.849 GL -16.84 GP 6.99 ZAL 54.32 ZAP 7.18 ETS 283.85 ZAE 161.11 ETE 87.84 ZAC 106.86 ETC 17.83 CLP -1.64

PLANETOCENTRIC CONIC
 C3 31.252 VML 5.590 CLA -12.04 RAL 165.37 RAD 6568.2 VEL 12.354 PTM 2.23 VMP 10.041 DPA 18.94 RAP 161.66 ECC 1.5143
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 6 42 1940.87 -12.13 24.85 32.18 115.79 9 39 2 1340.9 -8.56 17.98
 90.00 17 58 41 5351.33 27.69 244.04 38.99 83.85 19 27 52 4751.3 26.55 235.56
 100.00 10 21 54 1698.24 -13.36 6.38 31.56 116.99 10 50 12 1098.2 -9.64 359.57
 100.00 19 26 10 5069.19 29.07 223.11 38.81 82.70 20 50 39 4469.2 27.75 214.55
 110.00 11 16 16 1527.94 -16.61 351.62 29.72 120.32 11 41 44 927.9 -12.46 344.97
 110.00 20 48 17 4812.25 32.72 202.93 38.14 79.50 22 8 29 4212.3 30.93 194.17

DIFFERENTIAL CORRECTIONS
 TOE .8878 TRA -1.8094 TC3 -.0137 BAU .0805
 RDE -.2348 RRA -.2661 RC3 .1922 FAU .02462
 FDE -1.0819 FRA 1.4594 FC3 -.6821 BSP 6775
 BDE .9183 BRA 1.8289 BC3 .1927 FSP -488

MID-COURSE EXECUTION ACCURACY
 SGT 2103.2 SGR 426.5 SG3 176.0
 RRT .3417 RRF -.3723 RTF -.9096
 SGB 2146.0 R23 -.0531 R13 -.9104
 SGI 2108.5 SG2 399.8 TMA 4.11

ORBIT DETERMINATION ACCURACY
 ST 1073.1 SR 254.9 SS 1041.3
 CRT -.6267 CRS -.7464 CST .9860
 LSA 1500.4 MSA 221.8 SSA 16.5
 EL1 1085.3 EL2 196.4 ALF 171.24

LAUNCH DATE MAY 5 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC
 RL 150.88 LAL .00 LOL 223.83 VL 25.760 GAL 7.91 AZL 93.79 HCA 116.89 SMA 121.12 ECC .27956 INC 3.7878 VI 29.532
 RP 108.85 LAP -3.38 LOP 340.77 VP 36.645 GAP -15.18 AZP 88.28 TAL 158.41 TAP 275.30 RCA 87.26 APO 154.98 V2 34.815
 RC 42.995 GL -18.19 GP 7.58 ZAL 54.68 ZAP 8.22 ETS 293.43 ZAE 160.17 ETE 79.59 ZAC 105.16 ETC 17.56 CLP -3.19

PLANETOCENTRIC CONIC
 C3 29.152 VML 5.399 CLA -13.26 RAL 164.76 RAD 6568.2 VEL 12.269 PTM 2.21 VMP 9.578 DPA 18.88 RAP 163.47 ECC 1.4798
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 14 40 1881.99 -10.36 21.42 30.52 116.50 9 46 2 1282.0 -6.72 14.64
 90.00 17 45 51 5375.32 27.86 245.78 37.61 84.70 19 15 27 4775.3 26.83 237.26
 100.00 10 29 6 1641.86 -11.60 3.12 29.87 117.74 10 56 28 1041.9 -7.79 356.40
 100.00 19 14 7 5090.69 29.24 224.68 37.45 83.51 20 38 57 4490.7 28.04 216.09
 110.00 11 21 48 1476.81 -14.83 348.73 28.00 121.16 11 46 25 876.8 -10.59 342.19
 110.00 20 37 54 4828.50 32.91 204.16 36.84 80.20 21 58 23 4228.5 31.21 195.35

DIFFERENTIAL CORRECTIONS
 TOE .9025 TRA -1.7833 TC3 .0225 BAU .0830
 RDE -.2009 RRA -.2613 RC3 .2119 FAU .02602
 FDE -1.1654 FRA 1.5148 FC3 -.7727 BSP 6998
 BDE .9246 BRA 1.8024 BC3 .2131 FSP -537

MID-COURSE EXECUTION ACCURACY
 SGT 2167.4 SGR 423.0 SG3 192.3
 RRT .3876 RRF -.4226 RTF -.9154
 SGB 2208.3 R23 -.0607 R13 -.9163
 SGI 2175.8 SG2 388.8 TMA 4.47

ORBIT DETERMINATION ACCURACY
 ST 1121.3 SR 229.7 SS 1102.7
 CRT -.5988 CRS -.7221 CST .9861
 LSA 1574.6 MSA 215.2 SSA 16.4
 EL1 1129.9 EL2 182.6 ALF 172.82

LAUNCH DATE MAY 5 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC
 RL 150.88 LAL .00 LOL 223.83 VL 25.904 GAL 7.57 AZL 93.92 HCA 120.05 SMA 121.95 ECC .26952 INC 3.9185 VI 29.532
 RP 108.83 LAP -3.39 LOP 343.94 VP 36.753 GAP -14.39 AZP 88.04 TAL 158.31 TAP 278.36 RCA 89.08 APO 154.82 V2 34.822
 RC 43.312 GL -19.62 GP 8.25 ZAL 55.13 ZAP 9.53 ETS 300.67 ZAE 158.88 ETE 72.43 ZAC 103.47 ETC 17.30 CLP -4.78

PLANETOCENTRIC CONIC
 C3 27.303 VML 5.225 CLA -14.52 RAL 164.06 RAD 6568.1 VEL 12.193 PTM 2.19 VMP 9.132 DPA 18.90 RAP 165.26 ECC 1.4493
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 23 6 1821.46 -8.50 17.95 28.90 117.11 9 53 28 1221.3 -4.80 11.23
 90.00 17 31 52 5403.15 28.02 247.80 36.24 85.71 19 1 55 4803.1 27.13 239.25
 100.00 10 36 40 1584.12 -9.75 359.83 28.24 118.40 11 3 4 984.1 -5.88 353.18
 100.00 19 1 0 5115.72 29.42 226.52 36.11 84.46 20 26 15 4515.7 28.34 217.88
 110.00 11 27 30 1424.88 -12.98 345.84 26.32 121.90 11 51 15 824.9 -8.67 339.40
 110.00 20 26 39 4847.73 33.13 205.62 35.55 81.04 21 47 26 4247.7 31.54 196.75

DIFFERENTIAL CORRECTIONS
 TOE .9198 TRA -1.7551 TC3 .0626 BAU .0881
 RDE -.1658 RRA -.2586 RC3 .2332 FAU .02754
 FDE -1.2604 FRA 1.5739 FC3 -.8733 BSP 7216
 BDE .9346 BRA 1.7740 BC3 .2415 FSP -591

MID-COURSE EXECUTION ACCURACY
 SGT 2230.2 SGR 422.2 SG3 210.2
 RRT .4407 RRF -.4803 RTF -.9209
 SGB 2269.8 R23 -.0695 R13 -.9220
 SGI 2238.2 SG2 377.6 TMA 4.91

ORBIT DETERMINATION ACCURACY
 ST 1171.7 SR 202.0 SS 1169.4
 CRT -.5530 CRS -.6813 CST .9863
 LSA 1654.6 MSA 208.6 SSA 16.1
 EL1 1177.2 EL2 167.6 ALF 174.44

LAUNCH DATE MAY 5 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC
 RL 150.88 LAL .00 LOL 223.83 VL 26.037 GAL 7.25 AZL 94.06 HCA 123.22 SMA 122.73 ECC .26012 INC 4.0579 VI 29.532
 RP 108.80 LAP -3.39 LOP 347.11 VP 36.854 GAP -13.63 AZP 87.77 TAL 158.24 TAP 281.46 RCA 90.81 APO 154.65 V2 34.830
 RC 43.796 GL -21.14 GP 9.02 ZAL 55.66 ZAP 11.06 ETS 306.02 ZAE 157.33 ETE 66.45 ZAC 101.80 ETC 17.04 CLP -6.42

PLANETOCENTRIC CONIC
 C3 25.687 VML 5.068 CLA -15.85 RAL 163.28 RAD 6568.0 VEL 12.127 PTM 2.17 VMP 8.704 DPA 19.02 RAP 167.05 ECC 1.4227
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 32 9 1758.93 -6.54 14.40 27.36 117.61 10 1 28 1158.9 -2.79 7.72
 90.00 17 16 34 5435.43 28.16 250.15 34.89 86.88 18 47 10 4835.4 27.43 241.56
 100.00 10 44 43 1524.77 -7.81 356.50 26.67 118.95 11 10 8 924.8 -3.89 349.90
 100.00 18 46 41 5144.82 29.59 228.67 34.79 85.58 20 12 26 4544.8 28.67 219.99
 110.00 11 33 28 1372.03 -11.06 342.95 24.71 122.55 11 56 20 772.0 -6.69 336.59
 110.00 20 14 25 4870.32 33.35 207.34 34.31 82.04 21 35 35 4270.3 31.89 198.42

DIFFERENTIAL CORRECTIONS
 TOE .9398 TRA -1.7248 TC3 .1063 BAU .0953
 RDE -.1291 RRA -.2583 RC3 .2563 FAU .02922
 FDE -1.3688 FRA 1.6368 FC3 -.9847 BSP 7426
 BDE .9487 BRA 1.7441 BC3 .2775 FSP -651

MID-COURSE EXECUTION ACCURACY
 SGT 2291.1 SGR 425.3 SG3 230.1
 RRT .5009 RRF -.5451 RTF -.9262
 SGB 2330.2 R23 -.0796 R13 -.9275
 SGI 2301.2 SG2 366.5 TMA 5.45

ORBIT DETERMINATION ACCURACY
 ST 1224.2 SR 172.2 SS 1242.2
 CRT -.4727 CRS -.6084 CST .9866
 LSA 1740.7 MSA 202.2 SSA 15.8
 EL1 1226.9 EL2 151.4 ALF 176.14

LAUNCH DATE MAY 5 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 310.001

RL 150.88 LAL .00 LOL 223.83 VL 26.160 GAL 6.94 AZL 94.21 MCA 126.39 SMA 123.46 ECC .25152 INC 4.207H V1 29.532
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.949 GAP -12.88 ATP 87.50 TAL 158.21 TAP 284.60 RCA 92.44 APO 154.49 V2 34.838
 RC 44.440 GL -22.74 GP 9.90 ZAL 56.29 ZAP 12.77 ETS 309.92 ZAE 155.59 ETE 61.62 ZAC 100.15 ETC 16.80 CLP -8.11

PLANETOCENTRIC CONIC

C3 24.292 VML 4.929 CLA -17.23 RAL 162.40 RAD 6568.0 VEL 12.069 PTM 2.16 VMP 8.293 OPA 19.25 RAP 16H.84 ECC 1.399H
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 41 59 1693.91 -4.48 10.73 25.89 117.99 10 10 13 1093.9 -.70 4.09
 90.00 16 59 44 5472.95 28.27 252.89 33.57 88.25 18 30 57 4872.9 27.72 244.27
 100.00 10 53 24 1463.48 -5.77 353.00 25.18 119.38 11 17 48 863.5 -1.82 346.53
 100.00 18 31 0 5178.62 29.74 231.17 33.50 86.88 19 57 19 4578.6 29.00 222.44
 110.00 11 39 48 1318.13 -9.07 340.04 23.16 123.10 12 1 46 718.1 -4.65 333.75
 110.00 20 1 6 4896.72 33.58 209.37 33.11 83.22 21 22 43 4296.7 32.28 200.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9827 TRA-1.6924 TC3 .1523 BAU .1039 SGT 2349.1 SGR 434.2 SG3 251.9 ST 1278.4 SR 141.6 SS 1321.1
 RDE -.0899 RRA -.2606 RC3 .2815 FAU .03104 RRT .5667 RRF -.6152 RTF -.9311 CRT -.3214 CRS -.4673 CST .9871
 FDE -1.4927 FRA 1.7033 FC3 -1.1062 BSP 7632 SGB 2388.9 R23 -.0912 R13 -.9327 LSA 1833.3 MSA 196.1 SSA 15.3
 BDE .9669 BRA 1.7124 BC3 .3200 FSP -718 SGI 2362.2 SG2 355.7 TMA 6.12 EL1 1279.3 EL2 134.0 ALF 177.94

LAUNCH DATE MAY 5 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 316.723

RL 150.88 LAL .00 LOL 223.83 VL 26.274 GAL 6.65 AZL 94.37 MCA 129.56 SMA 124.15 ECC .24312 INC 4.3705 V1 29.532
 RP 108.75 LAP -3.37 LOP 353.47 VP 37.038 GAP -12.16 ATP 87.21 TAL 158.21 TAP 287.76 RCA 93.97 APO 154.34 V2 34.846
 RC 45.237 GL -24.44 GP 10.92 ZAL 57.01 ZAP 14.67 ETS 312.73 ZAE 153.74 ETE 57.84 ZAC 98.52 ETC 16.55 CLP -9.86

PLANETOCENTRIC CONIC

C3 23.108 VML 4.807 CLA -18.67 RAL 161.43 RAD 6567.9 VEL 12.020 PTM 2.15 VMP 7.901 OPA 19.63 RAP 170.63 ECC 1.3803
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 52 55 1625.70 -2.29 6.92 24.53 118.23 10 20 1 1025.7 1.50 .29
 90.00 16 41 5 5516.72 28.32 256.09 32.28 89.85 18 13 1 4916.7 28.00 247.44
 100.00 11 2 57 1399.71 -3.63 349.56 23.78 119.69 11 26 17 799.7 .35 343.03
 100.00 18 13 44 5217.94 29.85 234.09 32.25 88.42 19 40 42 4617.9 29.32 225.32
 110.00 11 46 36 1262.95 -7.01 337.10 21.70 123.54 12 7 39 662.9 -2.55 330.85
 110.00 19 46 34 4927.47 33.81 211.74 31.97 84.61 21 8 42 4327.5 32.69 202.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9895 TRA-1.6582 TC3 .2000 BAU .1137 SGT 2404.2 SGR 450.9 SG3 275.8 ST 1335.2 SR 115.5 SS 1407.2
 RDE -.0474 RRA -.2660 RC3 .3088 FAU .03303 RRT .6352 RRF -.6875 RTF -.9357 CRT -.0241 CRS -.1787 CST .9876
 FDE -1.6354 FRA 1.7735 FC3 -1.2373 BSP 7835 SGB 2446.1 R23 -.1043 R13 -.9377 LSA 1933.8 MSA 190.3 SSA 14.8
 BDE .9906 BRA 1.6794 BC3 .3679 FSP -792 SGI 2421.5 SG2 345.8 TMA 6.94 EL1 1335.2 EL2 115.5 ALF 179.88

LAUNCH DATE MAY 5 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 323.436

RL 150.88 LAL .00 LOL 223.83 VL 26.379 GAL 6.38 AZL 94.55 MCA 132.73 SMA 124.80 ECC .23548 INC 4.5489 V1 29.532
 RP 108.72 LAP -3.34 LOP 356.64 VP 37.121 GAP -11.46 ATP 86.91 TAL 158.23 TAP 290.96 RCA 95.41 APO 154.19 V2 34.856
 RC 46.178 GL -26.23 GP 12.10 ZAL 57.82 ZAP 16.76 ETS 314.70 ZAE 151.82 ETE 54.98 ZAC 96.92 ETC 16.30 CLP -11.68

PLANETOCENTRIC CONIC

C3 22.129 VML 4.704 CLA -20.18 RAL 160.37 RAD 6567.9 VEL 11.979 PTM 2.14 VMP 7.529 OPA 20.17 RAP 172.43 ECC 1.3642
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 5 21 1553.17 .05 2.87 23.29 118.32 10 31 14 953.2 3.84 356.24
 90.00 16 20 10 5568.20 28.27 259.86 31.01 91.74 17 52 58 4968.2 28.21 251.19
 100.00 11 13 40 1332.71 -1.37 345.88 22.50 119.86 11 35 52 732.7 2.62 339.36
 100.00 17 54 32 5263.90 29.89 237.50 31.05 90.21 19 22 16 4663.9 29.60 228.71
 110.00 11 54 3 1206.14 -4.86 334.11 20.33 123.88 12 14 9 606.1 -.38 327.89
 110.00 19 30 38 4963.23 34.00 214.52 30.90 86.24 20 53 21 4363.2 33.11 205.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0226 TRA-1.6194 TC3 .2525 BAU .1250 SGT 2454.3 SGR 478.5 SG3 302.2 ST 1396.0 SR 107.5 SS 1501.7
 RDE .0001 RRA -.2750 RC3 .3389 FAU .03524 RRT .7030 RRF -.7579 RTF -.9405 CRT .4509 CRS .3121 CST .9884
 FDE -1.8011 FRA 1.8454 FC3 -1.3789 BSP 8092 SGB 2500.5 R23 -.1180 R13 -.9430 LSA 2044.8 MSA 184.3 SSA 14.1
 BDE 1.0226 BRA 1.6425 BC3 .4226 FSP -877 SGI 2477.7 SG2 337.1 TMA 7.95 EL1 1396.8 EL2 95.9 ALF 2.00

LAUNCH DATE MAY 5 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 330.140

RL 150.88 LAL .00 LOL 223.83 VL 26.476 GAL 6.12 AZL 94.75 MCA 135.90 SMA 125.40 ECC .22839 INC 4.7467 V1 29.532
 RP 108.69 LAP -3.30 LOP 359.82 VP 37.199 GAP -10.79 ATP 86.59 TAL 158.28 TAP 294.18 RCA 96.76 APO 154.04 V2 34.865
 RC 47.255 GL -28.13 GP 13.48 ZAL 58.73 ZAP 19.05 ETS 316.02 ZAE 149.86 ETE 52.96 ZAC 95.33 ETC 16.04 CLP -13.58

PLANETOCENTRIC CONIC

C3 21.352 VML 4.621 CLA -21.77 RAL 159.21 RAD 6567.9 VEL 11.947 PTM 2.13 VMP 7.176 OPA 20.92 RAP 174.25 ECC 1.3514
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 19 55 1474.53 2.59 358.48 22.23 118.21 10 44 29 874.5 6.34 351.81
 90.00 15 56 19 5629.60 28.06 264.34 29.77 93.97 17 30 9 5029.6 28.32 255.68
 100.00 11 26 0 1261.26 1.06 341.96 21.38 119.88 11 47 1 661.3 5.02 335.42
 100.00 17 32 56 5318.10 29.81 241.53 29.88 92.33 19 1 34 4718.1 29.81 232.72
 110.00 12 2 22 1147.24 -2.62 331.02 19.08 124.09 12 21 29 547.2 1.88 324.82
 110.00 19 13 3 5004.89 34.14 217.76 29.91 88.16 20 36 28 4404.9 33.51 208.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0569 TRA-1.5818 TC3 .2971 BAU .1358 SGT 2500.6 SGR 520.1 SG3 330.6 ST 1455.6 SR 133.9 SS 1602.8
 RDE .0540 RRA -.2883 RC3 .3714 FAU .03750 RRT .7651 RRF -.8216 RTF -.9444 CRT .8262 CRS .7355 CST .9890
 FDE -1.9899 FRA 1.9216 FC3 -1.5204 BSP 8260 SGB 2554.1 R23 -.1338 R13 -.9475 LSA 2161.7 MSA 179.9 SSA 13.4
 BDE 1.0583 BRA 1.6078 BC3 .4756 FSP -965 SGI 2532.6 SG2 330.7 TMA 9.20 EL1 1459.8 EL2 75.2 ALF 4.36

LAUNCH DATE MAY 5 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 336.832

RL 150.88 LAL .00 LOL 223.83 VL 26.565 GAL 5.88 AZL 94.97 MCA 139.07 SMA 125.96 ECC .22183 INC 4.9686 V1 29.532
 RP 108.66 LAP -3.25 LOP 3.01 VP 37.271 GAP -10.13 A7P 86.24 TAL 158.36 TAP 297.43 RCA 98.02 APO 153.91 V2 34.875
 RC 48.458 GL -30.13 GP 15.11 ZAL 59.72 ZAP 21.56 ETS 316.81 ZAE 147.85 ETE 51.70 ZAC 93.77 ETC 15.77 CLP -15.55

PLANETOCENTRIC CONIC

C3 20.783 VML 4.559 OLA -23.44 RAL 157.94 RAD 6567.8 VEL 11.923 PTM 2.12 VMP 6.846 DPA 21.91 RAP 176.11 ECC 1.3420
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 37 46 1386.44 5.41 353.54 21.40 117.84 11 0 52 786.4 9.09 346.80
 90.00 15 28 22 5704.71 27.59 269.78 28.52 96.66 17 3 27 5104.7 28.22 261.17
 100.00 11 40 41 1183.34 3.69 337.68 20.45 119.68 12 0 24 583.3 7.62 331.09
 100.00 17 8 8 5383.04 29.53 246.34 28.75 94.85 18 37 51 4783.0 29.89 237.55
 110.00 12 11 53 1085.51 -2.26 327.80 17.99 124.18 12 29 58 485.5 4.23 321.59
 110.00 18 53 26 5053.64 34.18 221.57 29.00 90.41 20 17 39 4453.6 33.86 212.34

DIFFERENTIAL CORRECTIONS

TDE 1.0966 TRA-1.5418 TC3 .3380 BAU .1470
 RDE .1171 RRA -.3067 RC3 .4070 FAU .03986
 FDE-2.2078 FRA 1.9981 FC3-1.6602 BSP 8430
 BDE 1.1028 BRA 1.5720 BC3 .5290 FSP -1061

MID-COURSE EXECUTION ACCURACY

SGT 2540.6 SGR 579.5 SG3 361.3
 RRT .8181 RRF -.8749 RTF -.9481
 SGB 2605.9 R23 -.1499 R13 -.9520
 SGI 2585.2 SG2 327.5 TMA 10.74

ORBIT DETERMINATION ACCURACY

ST 1516.9 SR 194.1 SS 1711.8
 CRT .9606 CRS .9122 CST .9897
 LSA 2288.6 MSA 176.0 SSA 12.5
 EL1 1528.3 EL2 53.5 ALF 7.02

LAUNCH DATE MAY 5 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 343.512

RL 150.88 LAL .00 LOL 223.83 VL 26.646 GAL 5.66 AZL 95.22 MCA 142.25 SMA 126.48 ECC .21578 INC 5.2210 V1 29.532
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.339 GAP -9.49 A7P 85.87 TAL 158.45 TAP 300.70 RCA 99.19 APO 153.78 V2 34.886
 RC 49.776 GL -32.26 GP 17.04 ZAL 60.82 ZAP 24.32 ETS 317.17 ZAE 145.78 ETE 51.12 ZAC 92.22 ETC 15.47 CLP -17.62

PLANETOCENTRIC CONIC

C3 20.433 VML 4.520 OLA -25.20 RAL 156.56 RAD 6567.8 VEL 11.909 PTM 2.12 VMP 6.541 DPA 23.21 RAP 178.04 ECC 1.3363
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 1 15 1281.74 8.70 347.61 20.91 117.05 11 22 37 681.7 12.26 340.74
 90.00 14 53 53 5801.28 26.63 276.68 27.19 100.00 16 30 35 5201.3 27.74 268.19
 100.00 11 59 3 1095.12 6.65 332.79 19.81 119.21 12 17 18 495.1 10.49 326.11
 100.00 16 38 46 5463.13 28.93 252.21 27.60 97.88 18 9 49 4863.1 29.72 243.50
 110.00 12 23 5 1019.76 2.26 324.37 17.09 124.12 12 40 4 419.8 6.72 318.13
 110.00 18 31 14 5111.26 34.06 226.07 28.17 95.07 19 56 26 4511.3 34.11 216.82

DIFFERENTIAL CORRECTIONS

TDE 1.1452 TRA-1.4972 TC3 .3780 BAU .1597
 RDE .1932 RRA -.3307 RC3 .4460 FAU .04236
 FDE-2.4606 FRA 2.0701 FC3-1.7947 BSP 8660
 BDE 1.1613 BRA 1.5333 BC3 .5847 FSP -1168

MID-COURSE EXECUTION ACCURACY

SGT 2573.5 SGR 661.2 SG3 393.7
 RRT .8609 RRF -.9164 RTF -.9519
 SGB 2657.0 R23 -.1638 R13 -.9568
 SGI 2636.7 SG2 328.3 TMA 12.67

ORBIT DETERMINATION ACCURACY

ST 1582.1 SR 281.8 SS 1830.1
 CRT .9936 CRS .9699 CST .9906
 LSA 2429.3 MSA 171.9 SSA 11.5
 EL1 1606.7 EL2 31.4 ALF 10.04

LAUNCH DATE MAY 5 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 350.179

RL 150.88 LAL .00 LOL 223.83 VL 26.720 GAL 5.46 AZL 95.51 MCA 145.42 SMA 126.96 ECC .21022 INC 5.5125 V1 29.532
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.403 GAP -8.87 A7P 85.46 TAL 158.56 TAP 303.98 RCA 100.27 APO 153.65 V2 34.897
 RC 51.201 GL -34.52 GP 19.34 ZAL 62.01 ZAP 27.40 ETS 317.16 ZAE 143.59 ETE 51.20 ZAC 90.67 ETC 15.14 CLP -19.79

PLANETOCENTRIC CONIC

C3 20.326 VML 4.508 OLA -27.06 RAL 155.06 RAD 6567.8 VEL 11.904 PTM 2.12 VMP 6.265 DPA 24.87 RAP 180.08 ECC 1.3345
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 37 38 1137.80 13.03 339.26 21.08 115.36 11 56 36 537.8 16.34 332.15
 90.00 14 5 32 654.66 24.58 308.62 25.50 104.52 14 16 26 54.7 26.34 300.39
 100.00 12 24 4 987.81 10.16 326.77 19.60 118.26 12 40 32 387.8 13.86 319.93
 100.00 16 1 47 5367.93 27.71 259.76 26.31 101.68 17 34 35 4967.9 29.04 251.21
 110.00 12 36 45 948.00 4.99 320.61 16.46 123.86 12 52 33 348.0 9.40 314.30
 110.00 18 5 36 5180.50 33.68 231.44 27.40 96.22 19 31 56 4580.5 34.17 222.23

DIFFERENTIAL CORRECTIONS

TDE 1.1975 TRA-1.4542 TC3 .4022 BAU .1717
 RDE .2865 RRA -.3621 RC3 .4872 FAU .04463
 FDE-2.7461 FRA 2.1383 FC3-1.9007 BSP 8812
 BDE 1.2313 BRA 1.4986 BC3 .6318 FSP -1274

MID-COURSE EXECUTION ACCURACY

SGT 2598.9 SGR 769.8 SG3 427.0
 RRT .8926 RRF -.9463 RTF -.9549
 SGB 2710.5 R23 -.1764 R13 -.9613
 SGI 2689.7 SG2 335.3 TMA 15.05

ORBIT DETERMINATION ACCURACY

ST 1644.3 SR 396.0 SS 1953.2
 CRT .9995 CRS .9892 CST .9913
 LSA 2578.1 MSA 169.6 SSA 10.5
 EL1 1691.3 EL2 11.6 ALF 13.53

LAUNCH DATE MAY 5 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 356.830

RL 150.88 LAL .00 LOL 223.83 VL 26.788 GAL 5.27 AZL 95.86 MCA 148.60 SMA 127.41 ECC .20512 INC 5.8552 V1 29.532
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.462 GAP -8.26 A7P 85.00 TAL 158.68 TAP 307.28 RCA 101.27 APO 153.54 V2 34.908
 RC 52.722 GL -36.94 GP 22.11 ZAL 63.30 ZAP 30.83 ETS 316.84 ZAE 141.21 ETE 51.89 ZAC 89.13 ETC 14.75 CLP -22.06

PLANETOCENTRIC CONIC

C3 20.503 VML 4.528 OLA -29.04 RAL 153.42 RAD 6567.8 VEL 11.911 PTM 2.12 VMP 6.025 DPA 26.98 RAP 182.29 ECC 1.3374
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.27 11 49 14 1078.76 19.96 338.08 22.56 111.55 12 7 13 478.8 22.71 330.43
 96.73 13 40 50 717.84 19.97 311.62 22.57 111.53 13 52 47 117.8 22.72 303.97
 100.00 13 6 30 828.11 15.14 317.52 20.33 116.09 13 20 19 228.1 18.53 310.37
 100.00 15 6 14 5731.76 24.94 271.14 24.45 107.04 16 41 46 5131.8 27.03 262.96
 110.00 12 54 21 866.35 8.07 316.29 16.22 123.53 13 8 48 266.4 12.40 309.87
 110.00 17 34 53 5266.29 32.85 237.99 26.62 100.02 19 2 39 4666.3 33.89 228.91

DIFFERENTIAL CORRECTIONS

TDE 1.2618 TRA-1.4066 TC3 .4194 BAU .1854
 RDE .4049 RRA -.4010 RC3 .5308 FAU .04672
 FDE-3.0707 FRA 2.1890 FC3-1.9728 BSP 9030
 BDE 1.3252 BRA 1.4626 BC3 .6765 FSP -1384

MID-COURSE EXECUTION ACCURACY

SGT 2615.0 SGR 911.3 SG3 459.9
 RRT .9158 RRF -.9666 RTF -.9579
 SGB 2769.2 R23 -.1829 R13 -.9663
 SGI 2747.2 SG2 348.5 TMA 18.00

ORBIT DETERMINATION ACCURACY

ST 1709.5 SR 541.3 SS 2082.5
 CRT .9991 CRS .9961 CST .9921
 LSA 2743.0 MSA 167.0 SSA 9.4
 EL1 1793.0 EL2 22.0 ALF 17.56

LAUNCH DATE MAY 5 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 363.465

RL 150.88 LAL .00 LOL 223.83 VL 26.850 GAL 5.09 AZL 96.27 MCA 151.78 SMA 127.81 ECC .20047 INC 6.2669 VI 29.532
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.517 GAP -7.67 AZP 84.47 TAL 158.81 TAP 310.58 RCA 102.19 APO 153.43 V2 34.920
 RC 54.330 GL -39.54 GP 25.45 ZAL 64.71 ZAP 34.70 ETS 316.26 ZAE 138.51 ETE 53.15 ZAC 87.55 ETC 14.27 CLP -24.43

PLANETOCENTRIC CONIC

C3 21.033 VHL 4.586 DLA -31.16 RAL 151.61 RAD 6567.9 VEL 11.934 PTH 2.12 VMP 5.830 CPA 29.63 RAP 184.75 ECC 1.3462
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.43 10 50 8 1250.34 21.16 351.38 21.76 113.41 11 10 58 650.3 24.15 343.75
 103.57 14 25 28 5846.55 21.18 278.20 21.77 113.40 16 2 55 5246.5 24.16 270.57
 76.43 10 50 8 1250.34 21.16 351.38 21.76 113.41 11 10 58 650.3 24.15 343.75
 103.57 14 25 28 5846.55 21.18 278.20 21.77 113.40 16 2 55 5246.5 24.16 270.57
 110.00 13 19 16 765.53 11.79 310.86 16.60 122.32 13 32 1 165.5 15.97 304.25
 110.00 16 55 31 5379.36 31.20 246.39 25.62 104.73 18 25 10 4779.4 32.91 237.58

DIFFERENTIAL CORRECTIONS

TOE 1.3437 TRA-1.3524 TC3 .4318 BAU .2024
 ROE .5591 RRA -.4478 RC3 .5758 FAU .04851
 FDE-3.4351 FRA 2.2071 FC3-1.9966 BSP 9402
 BDE 1.4554 BRA 1.4246 BC3 .7197 FSP -1500

MID-COURSE EXECUTION ACCURACY

SGT 2621.6 SGR 1092.8 SG3 489.9
 RRT .9328 RRF -.9798 RTF -.9614
 SGB 2840.2 R23 -.1805 R13 -.9719
 SG1 2816.5 SG2 366.5 TMA 21.63

ORBIT DETERMINATION ACCURACY

ST 1780.2 SR 725.7 SS 2216.1
 CRT .9977 CRS .9986 CST .9931
 LSA 2929.1 MSA 163.4 SSA 8.4
 EL1 1921.9 EL2 45.1 ALF 22.15

LAUNCH DATE MAY 5 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 370.081

RL 150.88 LAL .00 LOL 223.83 VL 26.905 GAL 4.94 AZL 96.77 MCA 154.96 SMA 128.18 ECC .19625 INC 6.7739 VI 29.532
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.568 GAP -7.10 AZP 83.86 TAL 158.93 TAP 313.89 RCA 103.03 APO 153.34 V2 34.932
 RC 56.016 GL -42.34 GP 29.51 ZAL 66.26 ZAP 39.10 ETS 315.45 ZAE 155.34 ETE 54.90 ZAC 85.93 ETC 13.66 CLP -26.90

PLANETOCENTRIC CONIC

C3 22.038 VHL 4.694 DLA -33.43 RAL 149.58 RAD 6567.9 VEL 11.976 PTH 2.13 VMP 5.697 CPA 32.93 RAP 187.63 ECC 1.3627
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 71.45 10 8 54 1364.84 22.28 .66 21.19 115.59 10 31 39 764.8 25.54 353.08
 108.55 14 50 32 5754.55 22.30 271.73 21.20 115.58 16 26 27 5154.6 25.55 264.15
 71.45 10 8 54 1364.84 22.28 .66 21.19 115.59 10 31 39 764.8 25.54 353.08
 108.55 14 50 32 5754.55 22.30 271.73 21.20 115.58 16 26 27 5154.6 25.55 264.15
 110.00 14 4 59 606.17 17.41 301.93 18.47 119.89 14 15 5 6.2 21.25 294.91
 110.00 15 53 39 5561.22 27.35 259.13 23.61 111.36 17 26 20 4961.2 29.99 250.94

DIFFERENTIAL CORRECTIONS

TOE 1.4585 TRA-1.2814 TC3 .4540 BAU .2272
 ROE .7672 RRA -.4990 RC3 .6232 FAU .05017
 FDE-3.8406 FRA 2.1602 FC3-1.9707 BSP 10217
 BDE 1.6480 BRA 1.3751 BC3 .7710 FSP -1639

MID-COURSE EXECUTION ACCURACY

SGT 2619.6 SGR 1323.4 SG3 513.9
 RRT .9471 RRF -.9880 RTF -.9661
 SGB 2934.9 R23 -.1648 R13 -.9787
 SG1 2909.9 SG2 382.2 TMA 26.05

ORBIT DETERMINATION ACCURACY

ST 1866.8 SR 961.7 SS 2353.9
 CRT .9970 CRS .9995 CST .9943
 LSA 3150.6 MSA 156.0 SSA 7.3
 EL1 2098.9 EL2 65.9 ALF 27.22

LAUNCH DATE MAY 5 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 376.687

RL 150.88 LAL .00 LOL 223.83 VL 26.956 GAL 4.79 AZL 97.42 MCA 158.14 SMA 128.52 ECC .19246 INC 7.4182 VI 29.532
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.616 GAP -6.54 AZP 83.11 TAL 159.05 TAP 317.19 RCA 103.78 APO 153.25 V2 34.945
 RC 57.772 GL -45.39 GP 34.46 ZAL 67.36 ZAP 44.10 ETS 314.45 ZAE 131.46 ETE 56.99 ZAC 84.22 ETC 12.83 CLP -29.43

PLANETOCENTRIC CONIC

C3 23.736 VHL 4.872 DLA -35.88 RAL 147.50 RAD 6568.0 VEL 12.046 PTH 2.15 VMP 5.651 CPA 36.97 RAP 191.17 ECC 1.3906
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.98 9 33 37 1462.21 23.22 8.82 20.91 118.16 9 58 0 862.2 26.79 1.34
 113.02 15 7 36 5693.30 23.23 267.43 20.92 118.15 16 42 29 5093.3 26.80 259.95
 66.98 9 33 37 1462.21 23.22 8.82 20.91 118.16 9 58 0 862.2 26.79 1.34
 113.02 15 7 36 5693.30 23.23 267.43 20.92 118.15 16 42 29 5093.3 26.80 259.95
 66.98 9 33 37 1462.21 23.22 8.82 20.91 118.16 9 58 0 862.2 26.79 1.34
 113.02 15 7 36 5693.30 23.23 267.43 20.92 118.15 16 42 29 5093.3 26.80 259.95

DIFFERENTIAL CORRECTIONS

TOE 1.5155 TRA-1.2934 TC3 .3105 BAU .2192
 ROE 1.0260 RRA -.5830 RC3 .6169 FAU .04508
 FDE-4.1368 FRA 2.1625 FC3-1.6442 BSP 9784
 BDE 1.8302 BRA 1.4187 BC3 .6906 FSP -1513

MID-COURSE EXECUTION ACCURACY

SGT 2606.2 SGR 1591.7 SG3 519.0
 RRT .9452 RRF -.9925 RTF -.9612
 SGB 3053.8 R23 -.1717 R13 -.9800
 SG1 3020.8 SG2 448.2 TMA 30.75

ORBIT DETERMINATION ACCURACY

ST 1869.2 SR 1233.2 SS 2419.7
 CRT .9951 CRS .9999 CST .9934
 LSA 3292.4 MSA 172.7 SSA 6.3
 EL1 2237.0 EL2 102.0 ALF 33.36

LAUNCH DATE MAY 5 1967

FLIGHT TIME 148.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 383.265

RL 150.88 LAL .00 LOL 223.83 VL 27.001 GAL 4.67 AZL 98.27 MCA 161.31 SMA 128.82 ECC .18905 INC 8.2701 VI 29.532
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.660 GAP -5.99 AZP 82.16 TAL 159.17 TAP 320.49 RCA 104.47 APO 153.17 V2 34.957
 RC 59.590 GL -48.73 GP 40.47 ZAL 69.87 ZAP 49.81 ETS 313.31 ZAE 126.64 ETE 59.22 ZAC 82.38 ETC 11.66 CLP -31.97

PLANETOCENTRIC CONIC

C3 26.520 VHL 5.150 DLA -38.53 RAL 144.63 RAD 6568.1 VEL 12.161 PTH 2.18 VMP 5.739 CPA 41.84 RAP 195.79 ECC 1.4365
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.70 9 0 45 1554.78 23.81 16.72 20.95 121.23 9 26 40 954.8 27.77 9.41
 117.30 15 19 11 5655.39 23.83 264.73 20.96 121.22 16 53 27 5055.4 27.78 257.41
 62.70 9 0 45 1554.78 23.81 16.72 20.95 121.23 9 26 40 954.8 27.77 9.41
 117.30 15 19 11 5655.39 23.83 264.73 20.96 121.22 16 53 27 5055.4 27.78 257.41
 62.70 9 0 45 1554.78 23.81 16.72 20.95 121.23 9 26 40 954.8 27.77 9.41
 117.30 15 19 11 5655.39 23.83 264.73 20.96 121.22 16 53 27 5055.4 27.78 257.41

DIFFERENTIAL CORRECTIONS

TOE 1.7010 TRA-1.2259 TC3 .2937 BAU .2441
 ROE 1.4098 RRA -.6458 RC3 .6227 FAU .04236
 FDE-4.4793 FRA 1.9613 FC3-1.3827 BSP 10112
 BDE 2.2093 BRA 1.3856 BC3 .6885 FSP -1544

MID-COURSE EXECUTION ACCURACY

SGT 2590.9 SGR 1927.6 SG3 508.6
 RRT .9539 RRF -.9953 RTF -.9656
 SGB 3229.3 R23 -.1425 R13 -.9865
 SG1 3195.0 SG2 469.0 TMA 36.27

ORBIT DETERMINATION ACCURACY

ST 1963.5 SR 1592.7 SS 2505.6
 CRT .9954 CRS 1.0000 CST .9947
 LSA 3555.6 MSA 166.0 SSA 5.4
 EL1 2525.4 EL2 118.7 ALF 39.02

LAUNCH DATE MAY 5 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 389.820

RL 150.88 LAL .00 LOL 223.83 VL 27.041 GAL 4.56 AZL 99.46 MCA 164.49 SMA 129.09 ECC .18602 INC 9.4572 V1 29.532
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.700 GAP -5.46 AZP 80.88 TAL 159.27 TAP 323.76 RCA 105.08 APO 153.11 V2 34.970
 RC 61.464 GL -52.43 GP 47.73 ZAL 72.04 ZAP 56.26 ETS 311.98 ZAE 120.61 ETE 61.18 ZAC 80.36 ETC 9.86 CLP -34.33

PLANETOCENTRIC CONIC

C3 31.229 VHL 5.588 CLA -41.39 RAL 141.45 RAD 6568.2 VEL 12.353 PTH 2.23 VMP 6.043 DPA 47.48 RAP 202.28 ECC 1.5140
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.46 8 28 34 1650.63 23.80 24.82 21.39 124.91 8 56 5 1050.6 28.20 17.80
 121.54 15 25 59 5641.20 23.82 263.52 21.40 124.90 17 0 0 5041.2 28.21 256.49
 58.46 8 28 34 1650.63 23.80 24.82 21.39 124.91 8 56 5 1050.6 28.20 17.80
 121.54 15 25 59 5641.20 23.82 263.52 21.40 124.90 17 0 0 5041.2 28.21 256.49
 58.46 8 28 34 1650.63 23.80 24.82 21.39 124.91 8 56 5 1050.6 28.20 17.80
 121.54 15 25 59 5641.20 23.82 263.52 21.40 124.90 17 0 0 5041.2 28.21 256.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.9541 TRA-1.1825 TC3 .2313 BAU .2581 SGT 2587.0 SGR 2302.2 SG3 467.5 ST 2061.4 SR 2011.3 SS 2521.6
 RDE 1.9412 RRA -.7050 RC3 .5733 FAU .03526 RRT .9588 RRF -.9969 RTF -.9685 CRT .9956 CRS 1.0000 CST .9955
 FDE-4.6628 FRA 1.6738 FC3 -.9775 BSP 10912 SGB 3463.0 R23 -.1161 R13 -.9911 LSA 3824.4 MSA 163.7 SSA 4.5
 BDE 2.7545 BRA 1.3768 BC3 .6182 FSP -1433 SGI 3427.6 SG2 493.7 TMA 41.53 EL1 2876.9 EL2 134.4 ALF 44.29

LAUNCH DATE MAY 5 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 396.348

RL 150.88 LAL .00 LOL 223.83 VL 27.077 GAL 4.46 AZL 101.24 MCA 167.66 SMA 129.34 ECC .18336 INC11.2380 V1 29.532
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.738 GAP -4.95 AZP 79.02 TAL 159.35 TAP 327.01 RCA 105.62 APO 153.05 V2 34.983
 RC 63.388 GL -56.48 GP 56.33 ZAL 74.54 ZAP 63.36 ETS 310.06 ZAE 113.12 ETE 62.06 ZAC 78.06 ETC 6.72 CLP -36.02

PLANETOCENTRIC CONIC

C3 39.819 VHL 6.310 CLA -44.39 RAL 137.54 RAD 6568.5 VEL 12.696 PTH 2.31 VMP 6.733 DPA 53.51 RAP 212.06 ECC 1.6553
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.27 7 55 50 1758.18 22.68 33.43 22.25 129.24 8 25 8 1158.2 27.59 26.86
 125.73 15 27 30 5656.30 22.69 263.93 22.26 129.23 17 1 46 5056.3 27.60 257.36
 54.27 7 55 50 1758.18 22.68 33.43 22.25 129.24 8 25 8 1158.2 27.59 26.86
 125.73 15 27 30 5656.30 22.69 263.93 22.26 129.23 17 1 46 5056.3 27.60 257.36
 54.27 7 55 50 1758.18 22.68 33.43 22.25 129.24 8 25 8 1158.2 27.59 26.86
 125.73 15 27 30 5656.30 22.69 263.93 22.26 129.23 17 1 46 5056.3 27.60 257.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.3958 TRA-1.1609 TC3 .1555 BAU .2565 SGT 2635.6 SGR 2675.8 SG3 392.4 ST 2219.9 SR 2460.8 SS 2451.3
 RDE 2.6930 RRA -.7255 RC3 .4561 FAU .02459 RRT .9631 RRF -.9977 RTF -.9725 CRT .9961 CRS 1.0000 CST .9964
 FDE-4.6093 FRA 1.2827 FC3 -.5347 BSP 11906 SGB 3755.8 R23 -.0905 R13 -.9945 LSA 4119.0 MSA 161.5 SSA 3.6
 BDE 3.6044 BRA 1.3690 BC3 .4818 FSP -1211 SGI 3721.0 SG2 510.4 TMA 45.45 EL1 3311.0 EL2 145.3 ALF 47.96

LAUNCH DATE MAY 5 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 402.835

RL 150.88 LAL .00 LOL 223.83 VL 27.108 GAL 4.39 AZL 104.22 MCA 170.81 SMA 129.55 ECC .18108 INC14.2217 V1 29.532
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.773 GAP -4.45 AZP 75.95 TAL 159.40 TAP 330.21 RCA 106.09 APO 153.01 V2 34.996
 RC 65.357 GL -60.78 GP 66.29 ZAL 77.49 ZAP 70.84 ETS 305.52 ZAE 103.98 ETE 59.40 ZAC 75.33 ETC 359.84 CLP -35.31

PLANETOCENTRIC CONIC

C3 57.892 VHL 7.609 CLA -47.29 RAL 132.62 RAD 6569.1 VEL 13.388 PTH 2.45 VMP 8.203 DPA 58.86 RAP 227.59 ECC 1.9527
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 50.40 7 21 57 1888.24 19.55 42.61 23.47 133.96 7 53 25 1288.2 24.99 36.68
 129.60 15 22 9 5713.12 19.57 266.26 23.48 133.96 16 57 22 5113.1 25.00 260.33
 50.40 7 21 57 1888.24 19.55 42.61 23.47 133.96 7 53 25 1288.2 24.99 36.68
 129.60 15 22 9 5713.12 19.57 266.26 23.48 133.96 16 57 22 5113.1 25.00 260.33
 50.40 7 21 57 1888.24 19.55 42.61 23.47 133.96 7 53 25 1288.2 24.99 36.68
 129.60 15 22 9 5713.12 19.57 266.26 23.48 133.96 16 57 22 5113.1 25.00 260.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.3708 TRA-1.2028 TC3 .0677 BAU .2043 SGT 3270.0 SGR 2896.9 SG3 288.6 ST 2569.7 SR 2791.2 SS 2273.5
 RDE 3.6959 RRA -.6337 RC3 .2552 FAU .01087 RRT .9675 RRF -.9974 RTF -.9800 CRT .9967 CRS .9999 CST .9977
 FDE-4.2430 FRA .8499 FC3 -.1625 BSP 12826 SGB 4077.8 R23 -.0672 R13 -.9969 LSA 4420.1 MSA 160.1 SSA 2.6
 BDE 5.0022 BRA 1.3595 BC3 .2640 FSP -881 SGI 4044.6 SG2 519.5 TMA 45.28 EL1 3790.9 EL2 152.9 ALF 47.37

LAUNCH DATE MAY 5 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 409.246

RL 150.88 LAL .00 LOL 223.83 VL 27.135 GAL 4.34 AZL 110.25 MCA 173.91 SMA 129.74 ECC .17919 INC20.2478 V1 29.532
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.804 GAP -3.97 AZP 69.86 TAL 159.38 TAP 333.29 RCA 106.49 APO 152.99 V2 35.009
 RC 67.365 GL -64.58 GP 77.22 ZAL 80.97 ZAP 78.17 ETS 282.80 ZAE 92.69 ETE 37.47 ZAC 71.63 ETC 333.18 CLP -22.03

PLANETOCENTRIC CONIC

C3 107.501 VHL 10.368 CLA -49.21 RAL 126.64 RAD 6570.1 VEL 15.127 PTH 2.72 VMP 11.615 DPA 60.91 RAP 251.27 ECC 2.7692
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 47.91 6 49 39 2050.51 13.13 51.58 25.02 137.87 7 23 50 1450.5 18.99 46.33
 132.09 15 6 47 5833.90 13.14 271.16 25.04 137.87 16 44 1 5233.9 19.01 265.91
 47.91 6 49 39 2050.51 13.13 51.58 25.02 137.87 7 23 50 1450.5 18.99 46.33
 132.09 15 6 47 5833.90 13.14 271.16 25.04 137.87 16 44 1 5233.9 19.01 265.91
 47.91 6 49 39 2050.51 13.13 51.58 25.02 137.87 7 23 50 1450.5 18.99 46.33
 132.09 15 6 47 5833.90 13.14 271.16 25.04 137.87 16 44 1 5233.9 19.01 265.91

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 6.6369 TRA-1.3669 TC3 -.0500 BAU .0848 SGT 3847.0 SGR 2081.4 SG3 178.7 ST 3684.0 SR 2080.3 SS 2038.3
 RDE 3.7646 RRA .0229 RC3 .0314 FAU-.00385 RRT .9492 RRF -.9771 RTF -.9940 CRT .9953 CRS .9981 CST .9994
 FDE-3.6690 FRA .4760 FC3 .0310 BSP 13706 SGB 4374.0 R23 -.0364 R13 -.9990 LSA 4692.9 MSA 177.0 SSA 1.4
 BDE 7.6303 BRA 1.3671 BC3 .0590 FSP -540 SGI 4335.2 SG2 581.1 TMA 27.73 EL1 4227.1 EL2 175.8 ALF 29.39

LAUNCH DATE MAY 5 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 415.406
 RL 150.88 LAL .00 LOL 223.83 VL 27.159 GAL 4.34 AZL 127.85 MCA 176.82 SMA 129.90 ECC .17791 INC37.8471 V1 29.532
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.834 GAP -3.56 AZP 52.20 TAL 159.16 TAP 335.98 RCA 106.79 APO 153.01 V2 35.023
 RC 69.409 GL -63.44 GP 77.98 ZAL 84.96 ZAP 84.52 ETS 194.16 ZAE 76.05 ETE 309.19 ZAC 64.43 ETC 237.36 CLP 62.72

PLANETOCENTRIC CONIC

C3 345.073 VHL 18.576 OLA -45.97 RAL 121.87 RAD 6571.9 VEL 21.596 PTH 3.22 VMP 22.159 DPA 53.59 RAP 280.33 ECC 6.6790
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.14 6 45 18 2198.43 3.52 55.47 28.44 135.86 7 21 56 1598.4 9.24 50.25
 127.86 14 33 0 766.87 3.54 304.22 28.46 135.86 14 45 47 166.9 9.25 299.00
 52.14 6 45 18 2198.43 3.52 55.47 28.44 135.86 7 21 56 1598.4 9.24 50.25
 127.86 14 33 0 766.87 3.54 304.22 28.46 135.86 14 45 47 166.9 9.25 299.00
 52.14 6 45 18 2198.43 3.52 55.47 28.44 135.86 7 21 56 1598.4 9.24 50.25
 127.86 14 33 0 766.87 3.54 304.22 28.46 135.86 14 45 47 166.9 9.25 299.00

DIFFERENTIAL CORRECTIONS

TDE 9.1680 TRA .4789 TC3 -.1348 BAU 1.2269
 RO-10.4726 RRA 1.8335 RC3 .2292 FAU-.02666
 FDE-3.4828 FRA .3535 FC3 .0669 BSP 13949
 BDE13.9185 BRA 1.8950 BC3 .2659 FSP -291

MID-COURSE EXECUTION ACCURACY

SGT 2879.6 SGR 3438.2 SG3 96.2
 RRT -.9482 RRF .9948 RTF -.9756
 SGB 4484.8 R23 -.0303 R13 .9995
 SGI 4428.2 SG2 710.4 TMA 129.68

ORBIT DETERMINATION ACCURACY

ST 2828.5 SR 5239.4 SS 2058.6
 CRT -.9952 CRS -.9995 CST .9978
 LSA 4763.2 MSA 209.7 SSA .7
 EL1 4295.4 EL2 208.7 ALF 131.11

LAUNCH DATE MAY 5 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 424.118
 RL 150.88 LAL .00 LOL 223.83 VL 27.179 GAL 3.90 AZL 21.03 MCA 181.92 SMA 130.04 ECC .17374 INC68.9669 V1 29.532
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.860 GAP -2.53 AZP 158.96 TAL 160.85 TAP 342.77 RCA 107.45 APO 152.63 V2 35.036
 RC 71.485 GL 51.90 GP -57.06 ZAL 87.46 ZAP 88.08 ETS 173.13 ZAE 66.17 ETE 59.38 ZAC 80.62 ETC 130.62 CLP 86.48

PLANETOCENTRIC CONIC

C31034.508 VHL 32.164 OLA 62.42 RAL 171.78 RAD 6573.0 VEL 33.997 PTH 3.51 VMP 42.826 DPA -72.05 RAP 355.86 ECC18.0254
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 31.72 21 2 32 5053.11 .45 242.24 82.03 27.58 22 26 45 4453.1 -6.63 238.94
 148.28 6 53 59 3359.77 .47 102.01 82.01 27.58 7 49 59 2759.8 -6.62 98.71
 31.72 21 2 32 5053.11 .45 242.24 82.03 27.58 22 26 45 4453.1 -6.63 238.94
 148.28 6 53 59 3359.77 .47 102.01 82.01 27.58 7 49 59 2759.8 -6.62 98.71
 31.72 21 2 32 5053.11 .45 242.24 82.03 27.58 22 26 45 4453.1 -6.63 238.94
 148.28 6 53 59 3359.77 .47 102.01 82.01 27.58 7 49 59 2759.8 -6.62 98.71

DIFFERENTIAL CORRECTIONS

TDE-5.7316 TRA-3.0636 TC3 -.1461 BAU 4.2520
 ROE-5.1054 RRA-8.0072 RC3 -.2705 FAU-.07385
 FDE 1.2671 FRA 1.8181 FC3 .0618 BSP 11480
 BDE 7.6757 BRA 8.5733 BC3 .3074 FSP -211

MID-COURSE EXECUTION ACCURACY

SGT 1821.0 SGR 3653.6 SG3 72.2
 RRT .9314 RRF -.9998 RTF -.9390
 SGB 4082.3 R23 -.0493 R13 -.9988
 SGI 4038.0 SG2 599.7 TMA 64.50

ORBIT DETERMINATION ACCURACY

ST 1080.9 SR 1297.8 SS 1141.3
 CRT .8960 CRS .9990 CST .9149
 LSA 1998.8 MSA 400.3 SSA .5
 EL1 1646.1 EL2 378.4 ALF 50.80

LAUNCH DATE MAY 5 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 429.527
 RL 150.88 LAL .00 LOL 223.83 VL 27.195 GAL 4.06 AZL 67.28 MCA 184.22 SMA 130.15 ECC .17389 INC22.7208 V1 29.532
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.884 GAP -2.32 AZP 112.67 TAL 160.03 TAP 344.25 RCA 107.52 APO 152.79 V2 35.049
 RC 73.590 GL 65.61 GP -84.46 ZAL 82.50 ZAP 85.49 ETS 92.32 ZAE 94.15 ETE 343.62 ZAC 98.69 ETC 54.51 CLP 35.50

PLANETOCENTRIC CONIC

C3 132.349 VHL 11.504 OLA 65.80 RAL 206.97 RAD 6570.4 VEL 15.927 PTH 2.81 VMP 16.459 DPA -70.88 RAP 102.12 ECC 3.1781
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 27.76 23 13 37 4845.39 -13.33 239.08 110.87 24.92 24 34 22 4245.4 -20.56 235.91
 152.24 9 23 40 3122.13 -13.32 94.32 110.85 24.92 10 15 42 2522.1 -20.55 91.15
 27.76 23 13 37 4845.39 -13.33 239.08 110.87 24.92 24 34 22 4245.4 -20.56 235.91
 152.24 9 23 40 3122.13 -13.32 94.32 110.85 24.92 10 15 42 2522.1 -20.55 91.15
 27.76 23 13 37 4845.39 -13.33 239.08 110.87 24.92 24 34 22 4245.4 -20.56 235.91
 152.24 9 23 40 3122.13 -13.32 94.32 110.85 24.92 10 15 42 2522.1 -20.55 91.15

DIFFERENTIAL CORRECTIONS

TDE 1.9182 TRA-3.7861 TC3 -.1114 BAU .1976
 ROE .7949 RRA .8445 RC3 -.0084 FAU-.00346
 FDE -.5329 FRA 1.1232 FC3 .0226 BSP 14707
 BDE 2.0764 BRA 3.8792 BC3 .1117 FSP -377

MID-COURSE EXECUTION ACCURACY

SGT 4704.4 SGR 1099.7 SG3 120.2
 RRT -.8379 RRF .8456 RTF -.9998
 SGB 4831.2 R23 .0099 R13 .9998
 SGI 4795.2 SG2 588.9 TMA 168.75

ORBIT DETERMINATION ACCURACY

ST 1678.2 SR 501.4 SS 693.8
 CRT -.0551 CRS -.0854 CST .9995
 LSA 1816.1 MSA 500.9 SSA .9
 EL1 1678.5 EL2 500.6 ALF 178.96

LAUNCH DATE MAY 5 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 435.766
 RL 150.88 LAL .00 LOL 223.83 VL 27.209 GAL 4.08 AZL 78.35 MCA 187.25 SMA 130.25 ECC .17328 INC11.6486 V1 29.532
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.906 GAP -1.90 AZP 101.56 TAL 159.82 TAP 347.07 RCA 107.68 APO 152.82 V2 35.062
 RC 75.721 GL 58.84 GP -78.79 ZAL 76.34 ZAP 83.98 ETS 30.46 ZAE 106.24 ETE 284.31 ZAC 104.31 ETC 359.32 CLP -57.37

PLANETOCENTRIC CONIC

C3 41.007 VHL 6.404 OLA 58.45 RAL 200.80 RAD 6568.6 VEL 12.743 PTH 2.32 VMP 9.750 DPA -60.90 RAP 120.84 ECC 1.6749
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 36.47 23 10 10 4539.72 -27.63 222.42 92.06 36.20 24 25 50 3939.7 -33.97 217.15
 143.53 8 37 52 2889.60 -27.61 87.97 92.05 36.20 9 26 2 2289.6 -33.95 82.70
 36.47 23 10 10 4539.72 -27.63 222.42 92.06 36.20 24 25 50 3939.7 -33.97 217.15
 143.53 8 37 52 2889.60 -27.61 87.97 92.05 36.20 9 26 2 2289.6 -33.95 82.70
 36.47 23 10 10 4539.72 -27.63 222.42 92.06 36.20 24 25 50 3939.7 -33.97 217.15
 143.53 8 37 52 2889.60 -27.61 87.97 92.05 36.20 9 26 2 2289.6 -33.95 82.70

DIFFERENTIAL CORRECTIONS

TDE .8008 TRA -.6027 TC3 .0133 BAU .3198
 ROE -.4367 RRA 2.6968 RC3 -.5832 FAU .01684
 FDE -.3833 FRA 1.4818 FC3 -.3556 BSP 15103
 BDE .9121 BRA 2.7633 BC3 .5833 FSP -718

MID-COURSE EXECUTION ACCURACY

SGT 1255.2 SGR 4887.4 SG3 224.4
 RRT -.8573 RRF .9987 RTF -.8787
 SGB 4852.8 R23 .0132 R13 .9995
 SGI 4811.6 SG2 629.5 TMA 103.16

ORBIT DETERMINATION ACCURACY

ST 780.4 SR 1437.6 SS 702.5
 CRT -.6307 CRS -.9890 CST .7386
 LSA 1687.4 MSA 567.4 SSA 1.7
 EL1 1534.2 EL2 567.4 ALF 112.08

LAUNCH DATE MAY 5 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 442.114

RL 150.88 LAL .00 LOL 223.83 VL 27.219 GAL 4.10 AZL 82.85 MCA 190.39 SMA 130.32 ECC .1727H INC 7.1491 V1 29.532
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.926 GAP -1.46 AZP 97.03 TAL 159.67 TAP 350.06 RCA 107.80 APO 152.84 V2 35.075
 RC 77.874 GL 48.37 GP -70.59 ZAL 70.36 ZAP 84.06 ETS 17.80 ZAE 114.54 ETE 273.51 ZAC 107.77 ETC 353.00 CLP -71.87

PLANETOCENTRIC CONIC

C3 20.435 VML 4.521 OLA 49.25 RAL 191.64 RAD 6567.8 VEL 11.909 PTM 2.12 VMP 7.101 DPA -53.16 RAP 128.12 ECC 1.3363
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 47.86 23 6 55 4294.01 -32.24 200.95 68.75 50.50 24 18 29 3694.0 -37.09 193.63
 132.14 7 28 6 2789.06 -32.22 82.57 68.74 50.50 8 14 35 2189.1 -37.08 75.25
 47.86 23 6 55 4294.01 -32.24 200.95 68.75 50.50 24 18 29 3694.0 -37.09 193.63
 132.14 7 28 6 2789.06 -32.22 82.57 68.74 50.50 8 14 35 2189.1 -37.08 75.25
 47.86 23 6 55 4294.01 -32.24 200.95 68.75 50.50 24 18 29 3694.0 -37.09 193.63
 132.14 7 28 6 2789.06 -32.22 82.57 68.74 50.50 8 14 35 2189.1 -37.08 75.25

DIFFERENTIAL CORRECTIONS

TDE .4216 TRA -.0917 TC3 -.1928 BAU .4241
 ROE -.1552 RRA 2.3258 RC3-1.5403 FAU .03535
 FDE -.2411 FRA 2.0704 FC3-1.4975 BSP 14843
 BOE .4492 BRA 2.3276 BC3 1.5524 FSP -1175

MID-COURSE EXECUTION ACCURACY

SGT 589.5 SGR 4730.1 SG3 367.5
 RRT -.2390 RRF .9992 RTF -.2565
 SGB 4766.7 R23 .0146 R13 .9993
 SG1 4732.2 SG2 572.2 TMA 91.73

ORBIT DETERMINATION ACCURACY

ST 537.0 SR 1369.7 SS 763.8
 CRT -.2410 CRS -.9946 CST .3403
 LSA 1573.9 MSA 520.1 SSA 2.8
 EL1 1376.8 EL2 518.5 ALF 96.29

LAUNCH DATE MAY 5 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 448.483

RL 150.88 LAL .00 LOL 223.83 VL 27.227 GAL 4.12 AZL 85.27 MCA 193.57 SMA 130.37 ECC .17249 INC 4.7285 V1 29.532
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.943 GAP -1.02 AZP 94.60 TAL 159.52 TAP 353.09 RCA 107.89 APO 152.86 V2 35.088
 RC 80.046 GL 37.66 GP -63.78 ZAL 65.32 ZAP 85.56 ETS 10.14 ZAE 121.03 ETE 266.71 ZAC 110.66 ETC 351.22 CLP -79.92

PLANETOCENTRIC CONIC

C3 13.425 VML 3.664 OLA 39.69 RAL 184.71 RAD 6567.5 VEL 11.611 PTM 2.03 VMP 5.743 DPA -46.51 RAP 131.80 ECC 1.2209
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 60.95 23 30 28 4062.57 -29.89 178.14 50.88 62.58 24 38 10 3462.6 -33.30 170.06
 119.05 6 9 14 2828.29 -29.88 84.31 50.87 62.57 6 56 22 2228.3 -33.29 76.23
 60.95 23 30 28 4062.57 -29.89 178.14 50.88 62.58 24 38 10 3462.6 -33.30 170.06
 119.05 6 9 14 2828.29 -29.88 84.31 50.87 62.57 6 56 22 2228.3 -33.29 76.23
 60.95 23 30 28 4062.57 -29.89 178.14 50.88 62.58 24 38 10 3462.6 -33.30 170.06
 119.05 6 9 14 2828.29 -29.88 84.31 50.87 62.57 6 56 22 2228.3 -33.29 76.23

DIFFERENTIAL CORRECTIONS

TDE .2741 TRA .1612 TC3 -.6204 BAU .4542
 ROE -.1337 RRA 2.0705 RC3-2.4534 FAU .05400
 FDE -.2994 FRA 2.7258 FC3-3.4825 BSP 14450
 BOE .3050 BRA 2.0768 BC3 2.5306 FSP -1694

MID-COURSE EXECUTION ACCURACY

SGT 705.5 SGR 4580.1 SG3 528.5
 RRT .6518 RRF .9991 RTF .6429
 SGB 4634.1 R23 .0227 R13 .9989
 SG1 4603.4 SG2 532.3 TMA 84.19

ORBIT DETERMINATION ACCURACY

ST 439.9 SR 1280.5 SS 857.5
 CRT .0624 CRS -.9939 CST .0477
 LSA 1539.2 MSA 446.7 SSA 3.9
 EL1 1280.8 EL2 439.0 ALF 88.61

LAUNCH DATE MAY 5 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 454.851

RL 150.88 LAL .00 LOL 223.83 VL 27.232 GAL 4.15 AZL 86.79 MCA 196.76 SMA 130.41 ECC .17241 INC 3.2138 V1 29.532
 RP 107.96 LAP -.93 LOP 60.56 VP 37.959 GAP -.57 AZP 93.08 TAL 159.34 TAP 356.10 RCA 107.93 APO 152.90 V2 35.101
 RC 82.236 GL 28.01 GP -57.92 ZAL 61.55 ZAP 88.20 ETS 4.14 ZAE 126.24 ETE 260.32 ZAC 110.37 ETC 350.58 CLP -86.61

PLANETOCENTRIC CONIC

C3 10.516 VML 3.243 OLA 30.86 RAL 179.83 RAD 6567.4 VEL 11.485 PTM 2.00 VMP 4.949 DPA -40.56 RAP 133.71 ECC 1.1731
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.20 0 50 19 3722.26 -24.78 148.92 39.27 71.00 1 52 22 3122.3 -27.14 140.83
 102.80 4 14 23 3065.99 -24.77 100.50 39.26 70.98 5 5 29 2466.0 -27.13 92.41
 77.20 0 50 19 3722.26 -24.78 148.92 39.27 71.00 1 52 22 3122.3 -27.14 140.83
 102.80 4 14 23 3065.99 -24.77 100.50 39.26 70.98 5 5 29 2466.0 -27.13 92.41
 110.00 6 55 12 2564.27 -33.45 64.62 41.60 82.53 7 37 56 1964.3 -34.13 55.44
 110.00 3 8 41 3271.98 -16.66 112.14 35.29 59.71 4 3 13 2672.0 -20.56 105.18

DIFFERENTIAL CORRECTIONS

TDE .1852 TRA .3627 TC3-1.1971 BAU .4636
 ROE -.2061 RRA 1.8721 RC3-3.0725 FAU .07171
 FDE -.5408 FRA 3.3688 FC3-3.9033 BSP 14030
 BOE .2641 BRA 1.9069 BC3 3.2975 FSP -2223

MID-COURSE EXECUTION ACCURACY

SGT 1116.0 SGR 4353.3 SG3 689.3
 RRT .8888 RRF .9990 RTF .8840
 SGB 4494.0 R23 .0341 R13 .9984
 SG1 4466.3 SG2 498.6 TMA 77.00

ORBIT DETERMINATION ACCURACY

ST 368.6 SR 1213.4 SS 980.1
 CRT .3443 CRS -.9922 CST -.2246
 LSA 1561.0 MSA 363.7 SSA 5.4
 EL1 1220.6 EL2 344.0 ALF 83.51

LAUNCH DATE MAY 5 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 461.207

RL 150.88 LAL .00 LOL 223.83 VL 27.235 GAL 4.19 AZL 87.83 MCA 199.96 SMA 130.43 ECC .17257 INC 2.1723 V1 29.532
 RP 107.92 LAP -.74 LOP 63.78 VP 37.972 GAP -.13 AZP 92.04 TAL 159.13 TAP 359.10 RCA 107.92 APO 152.94 V2 35.113
 RC 84.440 GL 19.84 GP -52.72 ZAL 58.93 ZAP 91.69 ETS 359.17 ZAE 130.36 ETE 253.65 ZAC 116.00 ETC 350.47 CLP -92.79

PLANETOCENTRIC CONIC

C3 9.204 VML 3.034 OLA 23.26 RAL 176.40 RAD 6567.3 VEL 11.428 PTM 1.98 VMP 4.453 DPA -35.15 RAP 134.63 ECC 1.1515
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 46 35 2873.62 -28.32 87.20 33.24 90.12 5 34 29 2273.6 -28.00 78.55
 90.00 23 46 49 3861.82 -10.66 152.89 28.88 63.61 24 51 11 3261.8 -14.12 145.92
 100.00 6 25 58 2553.21 -29.81 63.60 33.20 92.39 7 8 31 1953.2 -29.16 54.85
 100.00 0 54 4 3657.45 -9.33 137.17 28.19 61.47 1 55 1 3057.5 -13.07 130.38
 110.00 8 10 38 2225.73 -33.35 38.35 32.82 97.98 8 47 44 1625.7 -31.89 29.42
 110.00 1 25 53 3557.70 -6.29 127.76 26.33 56.33 2 25 10 2957.7 -10.67 121.41

DIFFERENTIAL CORRECTIONS

TDE .0553 TRA .5485 TC3-1.8220 BAU .4677
 ROE -.2883 RRA 1.7019 RC3-3.3356 FAU .08719
 FDE -.9032 FRA 3.9488 FC3-8.2014 BSP 13622
 BOE .2935 BRA 1.7881 BC3 3.8007 FSP -2708

MID-COURSE EXECUTION ACCURACY

SGT 1582.6 SGR 4078.2 SG3 835.7
 RRT .9491 RRF .9987 RTF .9457
 SGB 4374.4 R23 .0471 R13 .9977
 SG1 4348.5 SG2 467.4 TMA 69.53

ORBIT DETERMINATION ACCURACY

ST 355.6 SR 1183.9 SS 1145.3
 CRT .7133 CRS -.9913 CST -.6148
 LSA 1661.1 MSA 283.7 SSA 7.2
 EL1 1211.9 EL2 243.5 ALF 77.39

LAUNCH DATE MAY 5 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 467.550

RL 150.88 LAL .00 LOL 223.83 VL 27.236 GAL 4.25 AZL 88.59 MCA 203.17 SMA 130.43 ECC .17294 INC 1.4088 V1 29.532
 RP 107.89 LAP -.35 LOP 66.99 VP 37.984 GAP .30 AZP 91.30 TAL 158.89 TAP 2.06 RCA 107.88 APO 152.99 V2 35.125
 RC 86.655 GL 13.14 GP -48.04 ZAL 57.17 ZAP 95.76 ETS 355.03 ZAE 133.47 ETE 246.63 ZAC 118.53 ETC 350.75 CLP -98.64

PLANETOCENTRIC CONIC

C3 8.627 VHL 2.937 DLA 16.94 RAL 173.97 RAD 6567.3 VEL 11.403 PTM 1.97 VMP 4.136 DPA -30.19 RAP 134.96 ECC 1.1420
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 30 38 2590.04 -26.56 66.70 27.60 100.21 6 33 48 1990.0 -24.88 58.43
 90.00 22 23 20 4120.55 -2.52 167.55 23.70 61.79 23 32 0 3520.5 -6.28 160.88
 100.00 7 21 39 2296.51 -27.60 44.88 27.37 101.97 7 59 56 1696.5 -25.67 36.61
 100.00 23 35 0 3889.31 -1.60 150.03 23.18 60.15 24 39 49 3289.3 -5.56 143.49
 110.00 8 51 15 2016.20 -30.28 22.81 26.59 106.68 9 24 51 1416.2 -27.70 14.57
 110.00 0 25 50 3742.38 .75 137.42 21.72 55.82 1 28 12 3142.4 -3.74 131.22

DIFFERENTIAL CORRECTIONS

TOE -.0650 TRA .7261 TC3-2.4193 BAU .4737
 ROE -.3541 RRA 1.5469 RC3-3.3185 FAU .09976
 FDE -1.3275 FRA 4.4286 FC-10.0108 BSP 13351
 BOE .3600 BRA 1.7088 BC3 4.1067 FSP -3125

MID-COURSE EXECUTION ACCURACY

SGT 2056.3 SGR 3771.9 SG3 957.6
 RRT .9707 RRF .9984 RTF .9678
 SGB 4296.0 R23 .0599 R13 .9966
 SGI 4273.8 SG2 436.2 TMA 61.79

ORBIT DETERMINATION ACCURACY

ST 463.9 SR 1173.1 SS 1340.7
 CRT .9380 CRS -.9913 CST -.8845
 LSA 1827.6 MSA 220.5 SSA 9.3
 EL1 1252.5 EL2 150.6 ALF 69.33

LAUNCH DATE MAY 5 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 473.877

RL 150.88 LAL .00 LOL 223.83 VL 27.234 GAL 4.32 AZL 89.18 MCA 206.39 SMA 130.42 ECC .17354 INC .8215 V1 29.532
 RP 107.85 LAP -.37 LOP 70.21 VP 37.994 GAP .74 AZP 90.74 TAL 158.61 TAP 5.00 RCA 107.79 APO 153.06 V2 35.137
 RC 88.880 GL 7.71 GP -43.77 ZAL 55.96 ZAP 100.20 ETS 351.63 ZAE 135.63 ETE 239.40 ZAC 120.90 ETC 351.38 CLP -104.20

PLANETOCENTRIC CONIC

C3 8.432 VHL 2.904 DLA 11.75 RAL 172.23 RAD 6567.3 VEL 11.394 PTM 1.97 VMP 3.937 DPA -25.62 RAP 134.98 ECC 1.1388
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 30 31 2402.26 -23.64 53.73 23.85 108.06 7 10 33 1802.3 -21.21 45.90
 90.00 21 29 38 4299.89 3.25 177.55 20.98 61.85 22 41 18 3699.7 -.54 170.91
 100.00 7 57 49 2120.70 -24.52 32.73 23.55 107.65 8 33 10 1520.7 -21.88 24.93
 100.00 22 45 1 4056.48 4.06 159.22 20.53 60.36 23 52 37 3456.5 .09 152.69
 110.00 9 19 32 1865.00 -26.86 12.38 22.62 111.99 9 50 37 1265.0 -23.63 4.70
 110.00 23 39 47 3884.95 6.18 144.89 19.23 56.31 24 44 32 3285.0 1.71 138.66

DIFFERENTIAL CORRECTIONS

TOE -.1947 TRA .8990 TC3-2.9409 BAU .4821
 ROE -.3927 RRA 1.4063 RC3-3.1052 FAU .10833
 FDE -1.7471 FRA 4.8001 FC-11.1221 BSP 13161
 BOE .4383 BRA 1.6692 BC3 4.2768 FSP -3425

MID-COURSE EXECUTION ACCURACY

SGT 2519.4 SGR 3447.5 SG3 1048.2
 RRT .9801 RRF .9979 RTF .9777
 SGB 4270.0 R23 .0707 R13 .9954
 SGI 4250.7 SG2 405.5 TMA 54.01

ORBIT DETERMINATION ACCURACY

ST 667.6 SR 1151.6 SS 1534.2
 CRT .9919 CRS -.9913 CST -.9670
 LSA 2023.3 MSA 178.9 SSA 11.5
 EL1 1329.1 EL2 73.3 ALF 60.00

LAUNCH DATE MAY -5 1967

FLIGHT TIME 178.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 480.185

RL 150.88 LAL .00 LOL 223.83 VL 27.231 GAL 4.40 AZL 89.65 MCA 209.61 SMA 130.40 ECC .17435 INC .3532 V1 29.532
 RP 107.82 LAP -.17 LOP 73.43 VP 38.002 GAP 1.17 AZP 90.31 TAL 158.29 TAP 7.90 RCA 107.66 APO 153.13 V2 35.149
 RC 91.113 GL 5.30 GP -39.86 ZAL 55.08 ZAP 104.81 ETS 348.86 ZAE 136.91 ETE 232.24 ZAC 123.05 ETC 352.33 CLP -109.45

PLANETOCENTRIC CONIC

C3 8.458 VHL 2.908 DLA 7.47 RAL 171.01 RAD 6567.3 VEL 11.395 PTM 1.97 VMP 3.823 DPA -21.44 RAP 134.85 ECC 1.1392
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 0 2 2263.15 -20.72 44.58 21.51 109.75 7 37 45 1663.2 -17.84 37.09
 90.00 20 50 24 4439.95 7.70 185.45 19.64 62.67 22 4 24 3840.0 3.98 178.75
 100.00 8 24 57 1989.23 -21.54 24.11 21.19 111.25 8 58 7 1389.2 -18.46 16.67
 100.00 22 8 10 4189.11 8.48 166.59 19.22 61.23 23 17 59 3589.1 4.57 159.98
 110.00 9 41 23 1750.03 -23.71 4.93 20.17 115.38 10 10 33 1150.0 -20.09 357.65
 110.00 23 8 13 4001.07 10.51 151.09 18.00 57.28 24 14 54 3401.1 6.12 144.75

DIFFERENTIAL CORRECTIONS

TOE -.3334 TRA 1.0651 TC3-3.3770 BAU .4970
 ROE -.4120 RRA 1.2737 RC3-2.8129 FAU .11377
 FDE -2.1442 FRA 5.0404 FC-11.6455 BSP 13236
 BOE .5300 BRA 1.6604 BC3 4.3950 FSP -3642

MID-COURSE EXECUTION ACCURACY

SGT 2961.2 SGR 3121.1 SG3 1106.6
 RRT .9850 RRF .9971 RTF .9829
 SGB 4302.3 R23 .0777 R13 .9941
 SGI 4286.1 SG2 372.5 TMA 46.53

ORBIT DETERMINATION ACCURACY

ST 915.5 SR 1112.5 SS 1713.4
 CRT .9997 CRS -.9911 CST -.9885
 LSA 2233.2 MSA 155.7 SSA 13.2
 EL1 1440.6 EL2 18.4 ALF 50.55

LAUNCH DATE MAY 5 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 486.475

RL 150.88 LAL .00 LOL 223.83 VL 27.225 GAL 4.50 AZL 90.03 MCA 212.83 SMA 130.36 ECC .17538 INC .0321 V1 29.532
 RP 107.78 LAP .02 LOP 76.66 VP 38.008 GAP 1.60 AZP 89.97 TAL 157.93 TAP 10.77 RCA 107.50 APO 153.23 V2 35.160
 RC 93.352 GL -.28 GP -36.30 ZAL 54.38 ZAP 109.44 ETS 346.63 ZAE 137.42 ETE 225.44 ZAC 124.92 ETC 353.56 CLP -114.39

PLANETOCENTRIC CONIC

C3 8.625 VHL 2.937 DLA 3.92 RAL 170.19 RAD 6567.3 VEL 11.402 PTM 1.97 VMP 3.772 DPA -17.63 RAP 134.69 ECC 1.1419
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 23 44 2155.08 -18.08 37.75 20.17 112.17 7 59 39 1555.1 -14.92 30.50
 90.00 20 20 7 4555.41 11.25 192.08 19.16 63.84 21 36 3 3955.4 7.64 185.26
 100.00 8 46 55 1886.78 -18.87 17.67 19.82 113.62 9 18 22 1286.8 -15.52 10.48
 100.00 21 39 37 4298.94 12.01 172.83 18.77 62.42 22 51 16 3698.0 8.22 166.08
 110.00 9 59 22 1660.00 -20.97 359.38 18.75 117.63 10 27 2 1060.0 -17.11 352.38
 110.00 22 43 39 4098.49 14.04 156.43 17.59 58.51 23 51 58 3498.5 9.77 149.94

DIFFERENTIAL CORRECTIONS

TOE -.4782 TRA 1.2254 TC3-3.7237 BAU .5162
 ROE -.4125 RRA 1.1526 RC3-2.4858 FAU .11587
 FDE -2.4838 FRA 5.1669 FC-11.6308 BSP 13498
 BOE .6315 BRA 1.6823 BC3 4.4771 FSP -3759

MID-COURSE EXECUTION ACCURACY

SGT 3375.8 SGR 2803.5 SG3 1133.9
 RRT .9874 RRF .9960 RTF .9858
 SGB 4388.2 R23 .0794 R13 .9930
 SGI 4374.8 SG2 341.9 TMA 39.64

ORBIT DETERMINATION ACCURACY

ST 1179.6 SR 1052.1 SS 1863.8
 CRT .9990 CRS -.9902 CST -.9951
 LSA 2439.4 MSA 144.4 SSA 14.3
 EL1 1580.2 EL2 34.9 ALF 41.73

LAUNCH DATE MAY 5 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 492.746

RL 150.88 LAL .00 LOL 223.83 VL 27.218 GAL 4.61 AZL 90.35 MCA 216.06 SMA 130.31 ECC .17663 INC .3519 V1 29.532
 RP 107.75 LAP .21 LOP 79.88 VP 38.013 GAP 2.03 AZP 89.72 TAL 157.54 TAP 13.60 RCA 107.30 APO 153.33 V2 35.170
 RC 95.596 GL -3.21 GP -33.06 ZAL 53.76 ZAP 113.97 ETS 344.86 ZAE 137.32 ETE 219.25 ZAC 126.46 ETC 355.00 CLP-119.00

PLANETOCENTRIC CONIC

C3 8.891 VML 2.982 CLA .96 RAL 169.67 RAD 6567.3 VEL 11.414 PTH 1.98 VMP 3.770 OPA -14.20 RAP 134.58 ECC 1.1463
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 43 45 2068.71 -15.78 32.45 19.53 113.82 8 18 14 1468.7 -12.43 25.38
 90.00 19 55 59 4653.37 14.12 197.84 19.28 65.20 21 13 32 4053.4 10.66 190.87
 100.00 9 5 32 1804.90 -16.56 12.68 19.16 115.24 9 35 37 1204.9 -13.03 5.67
 100.00 21 16 53 4392.42 14.89 178.27 18.90 63.78 22 30 5 3792.4 11.25 171.37
 110.00 10 14 48 1588.09 -18.64 355.10 18.04 119.19 10 41 17 988.1 -14.61 348.31
 110.00 22 24 6 4181.99 16.95 161.15 17.75 59.86 23 33 48 3582.0 12.82 154.48

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.6257 TRA 1.3812 TC3-3.9821 BAU .5384 SGT 3759.0 SGR 2503.2 SG3 1134.0 ST 1443.9 SR 974.4 SS 1980.0
 ROE -.3983 RRA 1.0438 RC3-2.1583 FAU .11496 RRT .9885 RRF .9945 RTF .9875 CRT .9967 CRS -.9887 CST -.9975
 FDE-2.7505 FRA 5.1979 FC-11.1934 BSP 13901 SGB 4516.3 R23 .0754 R13 .9921 LSA 2633.4 MSA 140.3 SSA 15.0
 BDE .7417 BRA 1.7312 BC3 4.5294 FSP -3782 SGI 4505.2 SG2 316.4 TMA 33.54 EL1 1740.7 EL2 66.1 ALF 33.98

LAUNCH DATE MAY 5 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 498.996

RL 150.88 LAL .00 LOL 223.83 VL 27.210 GAL 4.74 AZL 90.63 MCA 219.28 SMA 130.25 ECC .17809 INC .6283 V1 29.532
 RP 107.72 LAP .40 LOP 83.11 VP 38.016 GAP 2.46 AZP 89.51 TAL 157.11 TAP 16.40 RCA 107.06 APO 153.45 V2 35.180
 RC 97.843 GL -5.62 GP -30.13 ZAL 53.16 ZAP 118.34 ETS 343.46 ZAE 136.75 ETE 213.79 ZAC 127.66 ETC 356.60 CLP-123.28

PLANETOCENTRIC CONIC

C3 9.235 VML 3.039 CLA -1.55 RAL 169.41 RAD 6567.3 VEL 11.429 PTH 1.98 VMP 3.808 OPA -11.14 RAP 134.57 ECC 1.1520
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 1 15 1998.39 -13.80 28.24 19.41 114.97 8 34 33 1398.4 -10.32 21.29
 90.00 19 36 21 4738.32 16.48 202.96 19.83 66.64 20 55 19 4138.3 13.18 195.84
 100.00 9 21 52 1738.32 -14.59 8.72 19.02 116.38 9 50 51 1138.3 -10.93 1.85
 100.00 20 58 25 4473.62 17.27 183.12 19.46 65.22 22 12 58 3873.6 13.79 176.07
 110.00 10 28 28 1529.86 -16.67 351.73 17.85 120.28 10 53 58 929.9 -12.53 345.08
 110.00 22 8 18 4254.8F -19.39 165.39 18.34 61.28 23 19 13 3654.9 15.41 158.54

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.7746 TRA 1.5332 TC3-4.1624 BAU .5626 SGT 4110.4 SGR 2227.0 SG3 1112.7 ST 1700.5 SR 886.5 SS 2064.2
 ROE -.3741 RRA .9472 RC3-1.8541 FAU .11175 RRT .9884 RRF .9923 RTF .9885 CRT .9935 CRS -.9862 CST -.9985
 FDE-2.9450 FRA 5.1533 FC-10.4762 BSP 14421 SGB 4674.9 R23 .0663 R13 .9914 LSA 2814.0 MSA 140.2 SSA 15.2
 BDE .8602 BRA 1.8022 BC3 4.5567 FSP -3732 SGI 4665.4 SG2 298.1 TMA 28.29 EL1 1915.6 EL2 89.4 ALF 27.45

LAUNCH DATE MAY 5 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 505.226

RL 150.88 LAL .00 LOL 223.83 VL 27.200 GAL 4.88 AZL 90.87 MCA 222.52 SMA 130.18 ECC .17977 INC .8693 V1 29.532
 RP 107.69 LAP .59 LOP 86.34 VP 38.018 GAP 2.89 AZP 89.36 TAL 156.64 TAP 19.16 RCA 106.78 APO 153.58 V2 35.190
 RC 100.092 GL -7.61 GP -27.50 ZAL 52.55 ZAP 122.48 ETS 342.36 ZAE 135.87 ETE 209.11 ZAC 128.50 ETC 358.27 CLP-127.26

PLANETOCENTRIC CONIC

C3 9.644 VML 3.106 CLA -3.69 RAL 169.34 RAD 6567.3 VEL 11.447 PTH 1.99 VMP 3.878 OPA -8.43 RAP 134.69 ECC 1.1587
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 16 56 1940.41 -12.11 24.82 19.68 115.79 8 49 16 1340.4 -8.54 17.96
 90.00 19 20 10 4813.28 18.44 207.58 20.71 68.13 20 40 24 4213.3 15.31 200.31
 100.00 9 36 33 1683.58 -12.91 5.53 19.27 117.20 10 4 36 1083.6 -9.16 358.74
 100.00 20 43 14 4545.34 19.26 187.52 20.35 66.69 21 59 0 3945.3 15.95 180.30
 110.00 10 40 50 1482.32 -15.02 349.04 18.06 121.07 11 5 32 882.3 -10.79 342.49
 110.00 21 55 26 4319.37 21.45 169.26 19.25 62.73 23 7 26 3719.4 17.63 162.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.9219 TRA 1.6844 TC3-4.2674 BAU .5866 SGT 4428.9 SGR 1976.9 SG3 1074.8 ST 1942.1 SR 793.0 SS 2115.5
 ROE -.3421 RRA .8637 RC3-1.5776 FAU .10651 RRT .9872 RRF .9891 RTF .9890 CRT .9892 CRS -.9823 CST -.9991
 FDE-3.0645 FRA 5.0600 FC3-9.5610 BSP 14964 SGB 4850.1 R23 .0543 R13 .9908 LSA 2975.8 MSA 142.3 SSA 15.4
 BDE .9833 BRA 1.8929 BC3 4.5497 FSP -3609 SGI 4841.5 SG2 289.0 TMA 23.87 EL1 2095.0 EL2 107.5 ALF 22.06

LAUNCH DATE MAY 5 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 511.433

RL 150.88 LAL .00 LOL 223.83 VL 27.188 GAL 5.04 AZL 91.08 MCA 225.75 SMA 130.10 ECC .18167 INC 1.0821 V1 29.532
 RP 107.66 LAP .78 LOP 89.57 VP 38.018 GAP 3.32 AZP 89.24 TAL 156.14 TAP 21.89 RCA 106.47 APO 153.74 V2 35.199
 RC 102.344 GL -9.26 GP -25.14 ZAL 51.92 ZAP 126.38 ETS 341.47 ZAE 134.79 ETE 205.17 ZAC 129.00 ETC 359.94 CLP-130.94

PLANETOCENTRIC CONIC

C3 10.115 VML 3.180 CLA -5.53 RAL 169.45 RAD 6567.4 VEL 11.468 PTH 1.99 VMP 3.974 OPA -8.05 RAP 134.96 ECC 1.1665
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 31 14 1892.24 -10.67 22.02 20.26 116.39 9 2 46 1292.2 -7.04 15.22
 90.00 19 6 44 4880.36 20.09 211.82 21.86 69.62 20 28 5 4280.4 17.14 204.39
 100.00 9 49 58 1638.26 -11.48 2.92 19.84 117.79 10 17 16 1038.3 -7.68 356.20
 100.00 20 30 42 4609.57 20.94 191.55 21.51 68.17 21 47 31 4009.6 17.80 184.17
 110.00 10 52 13 1443.32 -13.64 346.86 18.58 121.65 11 16 17 843.3 -9.36 340.38
 110.00 21 44 55 4377.27 23.22 172.83 20.43 64.17 22 57 52 3777.3 19.55 165.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.0696 TRA 1.8325 TC3-4.3187 BAU .6115 SGT 4718.1 SGR 1755.1 SG3 1026.5 ST 2170.3 SR 701.4 SS 2145.5
 ROE -.3077 RRA .7900 RC3-1.3418 FAU .10048 RRT .9849 RRF .9849 RTF .9893 CRT .9835 CRS -.9766 CST -.9993
 FDE-3.1337 FRA 4.9221 FC3-8.6000 BSP 15596 SGB 5034.0 R23 .0404 R13 .9903 LSA 3127.9 MSA 145.4 SSA 15.4
 BDE 1.1130 BRA 1.9956 BC3 4.5224 FSP -3464 SGI 5025.9 SG2 285.5 TMA 20.19 EL1 2277.6 EL2 120.8 ALF 17.69

LAUNCH DATE MAY 5 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 517.618

RL 150.88 LAL .00 LOL 223.83 VL 27.175 GAL 5.21 AZL 91.27 MCA 228.98 SMA 130.01 ECC .18379 INC 1.2729 V1 29.532
 RP 107.63 LAP .96 LOP 92.80 VP 38.017 GAP 3.75 A7P 89.16 TAL 155.61 TAP 24.59 RCA 106.12 APO 153.91 V2 35.208
 RC 104.996 GL -10.62 GP -23.04 ZAL 51.25 ZAP 130.03 ETS 340.76 ZAE 133.61 ETE 201.88 ZAC 129.19 ETC 1.56 CLP-134.35

PLANETOCENTRIC CONIC

C3 10.645 VHL 3.263 CLA -7.12 RAL 169.71 RAD 6567.4 VEL 11.491 PTH 2.00 VMP 4.094 OPA -3.99 RAP 135.39 ECC 1.1752
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 44 28 1852.07 -9.44 19.70 21.10 116.82 9 15 20 1252.1 -5.77 12.95
 90.00 18 55 32 4941.14 21.48 215.73 23.22 71.10 20 17 53 4341.1 18.70 208.16
 100.00 10 2 24 1600.65 -10.28 .77 20.65 118.22 10 29 4 1000.6 -6.43 354.10
 100.00 20 20 17 4667.80 22.37 195.29 22.88 69.64 21 38 5 4067.8 19.40 187.75
 110.00 11 2 51 1411.36 -12.49 345.10 19.34 122.08 11 26 22 811.4 -8.16 338.67
 110.00 21 36 19 4429.85 24.73 176.16 21.82 65.62 22 50 9 3829.8 21.23 168.76

DIFFERENTIAL CORRECTIONS

TOE-1.2160 TRA 1.9805 TC3-4.3213 BAU .6361
 ROE -.2715 RRA .7265 RC3-1.1412 FAU .09390
 FDE-3.1560 FRA 4.7613 FC3-7.6361 BSP 16242
 BDE 1.2459 BRA 2.1095 BC3 4.4694 FSP -3296

MID-COURSE EXECUTION ACCURACY

SGT 4979.5 SGR 1560.5 SG3 971.9
 RRT .9812 RRF .9791 RTF .9893
 SGB 5218.3 R23 .0264 R13 .9899
 SGI 5210.4 SG2 287.6 TMA 17.15

ORBIT DETERMINATION ACCURACY

ST 2381.7 SR 613.7 SS 2155.1
 CRT .9753 CRS -.9683 CST -.9995
 LSA 3266.7 MSA 149.0 SSA 15.3
 EL1 2456.0 EL2 131.3 ALF 14.15

LAUNCH DATE MAY 5 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 523.778

RL 150.88 LAL .00 LOL 223.83 VL 27.161 GAL 5.40 AZL 91.45 MCA 232.22 SMA 129.92 ECC .18614 INC 1.4459 V1 29.532
 RP 107.61 LAP 1.14 LOP 96.04 VP 38.014 GAP 4.18 A7P 89.11 TAL 155.04 TAP 27.26 RCA 105.73 APO 154.10 V2 35.216
 RC 106.849 GL -11.74 GP -21.17 ZAL 50.55 ZAP 133.43 ETS 340.15 ZAE 132.40 ETE 199.16 ZAC 129.09 ETC 3.09 CLP-137.50

PLANETOCENTRIC CONIC

C3 11.237 VHL 3.352 CLA -8.51 RAL 170.09 RAD 6567.4 VEL 11.516 PTH 2.01 VMP 4.232 OPA -2.21 RAP 135.98 ECC 1.1849
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 56 50 1818.60 -8.41 17.79 22.14 117.14 9 27 8 1218.6 -4.71 11.06
 90.00 18 46 12 4996.80 22.66 219.38 24.76 72.56 20 9 28 4396.8 20.07 211.68
 100.00 10 14 2 1569.51 -9.27 359.01 21.68 118.54 10 40 12 969.5 -5.39 352.37
 100.00 20 11 40 4721.12 23.59 198.78 24.43 71.09 21 30 21 4121.1 20.79 191.10
 110.00 11 12 52 1385.31 -11.54 343.67 20.32 122.40 11 35 57 785.3 -7.19 337.29
 110.00 21 29 20 4478.09 26.05 179.29 23.39 67.04 22 43 58 3878.1 22.72 171.72

DIFFERENTIAL CORRECTIONS

TOE-1.3604 TRA 2.1303 TC3-4.2811 BAU .6595
 ROE -.2346 RRA .6723 RC3 -.9711 FAU .08699
 FDE-3.1396 FRA 4.5915 FC3-6.7020 BSP 16876
 BDE 1.3805 BRA 2.2339 BC3 4.3899 FSP -3114

MID-COURSE EXECUTION ACCURACY

SGT 5215.3 SGR 1390.9 SG3 914.2
 RRT .9758 RRF .9715 RTF .9893
 SGB 5397.6 R23 .0139 R13 .9896
 SGI 5389.6 SG2 294.2 TMA 14.63

ORBIT DETERMINATION ACCURACY

ST 2575.7 SR 531.6 SS 2147.3
 CRT .9632 CRS -.9558 CST -.9996
 LSA 3391.8 MSA 152.9 SSA 15.3
 EL1 2626.2 EL2 140.1 ALF 11.28

LAUNCH DATE MAY 5 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 529.914

RL 150.88 LAL .00 LOL 223.83 VL 27.146 GAL 5.60 AZL 91.60 MCA 235.46 SMA 129.81 ECC .18872 INC 1.6044 V1 29.532
 RP 107.59 LAP 1.32 LOP 99.27 VP 38.010 GAP 4.62 A7P 89.09 TAL 154.44 TAP 29.90 RCA 105.31 APO 154.31 V2 35.223
 RC 109.101 GL -12.67 GP -19.51 ZAL 49.80 ZAP 136.60 ETS 339.63 ZAE 131.21 ETE 196.91 ZAC 128.74 ETC 4.50 CLP-140.43

PLANETOCENTRIC CONIC

C3 11.894 VHL 3.449 CLA -9.73 RAL 170.57 RAD 6567.5 VEL 11.545 PTH 2.01 VMP 4.388 OPA -.70 RAP 136.72 ECC 1.1958
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 8 28 1790.85 -7.55 16.21 23.36 117.37 9 38 19 1190.9 -3.82 9.51
 90.00 18 38 25 5048.23 23.67 222.82 26.46 73.99 20 2 34 4448.2 21.25 214.98
 100.00 10 25 1 1543.89 -8.44 357.57 22.88 118.78 10 50 45 943.9 -4.53 350.96
 100.00 20 4 33 4770.42 24.64 202.07 26.14 72.52 21 24 4 4170.4 22.02 194.25
 110.00 11 22 22 1364.31 -10.78 342.53 21.47 122.64 11 45 6 764.3 -6.40 336.18
 110.00 21 23 42 4522.76 27.20 182.25 25.13 68.46 22 39 5 3922.8 24.03 174.52

DIFFERENTIAL CORRECTIONS

TOE-1.5026 TRA 2.2836 TC3-4.2041 BAU .6813
 ROE -.1978 RRA .6261 RC3 -.8275 FAU .08002
 FDE-3.0939 FRA 4.4208 FC3-5.8245 BSP 17473
 BDE 1.5156 BRA 2.3679 BC3 4.2847 FSP -2924

MID-COURSE EXECUTION ACCURACY

SGT 5427.4 SGR 1244.0 SG3 855.7
 RRT .9683 RRF .9615 RTF .9891
 SGB 5568.2 R23 .0032 R13 .9892
 SGI 5559.9 SG2 303.3 TMA 12.55

ORBIT DETERMINATION ACCURACY

ST 2751.8 SR 456.6 SS 2125.6
 CRT .9449 CRS -.9370 CST -.9997
 LSA 3503.5 MSA 157.1 SSA 15.2
 EL1 2785.5 EL2 147.6 ALF 8.94

LAUNCH DATE MAY 5 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 536.024

RL 150.88 LAL .00 LOL 223.83 VL 27.130 GAL 5.83 AZL 91.75 MCA 238.70 SMA 129.70 ECC .19155 INC 1.7511 V1 29.532
 RP 107.57 LAP 1.50 LOP 102.51 VP 38.005 GAP 5.07 A7P 89.09 TAL 153.81 TAP 32.51 RCA 104.86 APO 154.54 V2 35.230
 RC 111.351 GL -13.42 GP -18.04 ZAL 49.02 ZAP 139.54 ETS 339.15 ZAE 130.06 ETE 195.05 ZAC 128.15 ETC 5.77 CLP-143.14

PLANETOCENTRIC CONIC

C3 12.622 VHL 3.553 CLA -10.81 RAL 171.15 RAD 6567.5 VEL 11.576 PTH 2.02 VMP 4.559 OPA .58 RAP 137.60 ECC 1.2077
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 19 30 1768.10 -6.83 14.92 24.74 117.55 9 48 58 1168.1 -3.09 8.23
 90.00 18 32 0 5096.14 24.53 226.06 28.30 75.40 19 56 56 4496.1 22.29 218.11
 100.00 10 35 26 1523.10 -7.75 356.40 24.24 118.96 11 0 50 923.1 -3.83 349.81
 100.00 19 58 45 4816.37 25.54 205.18 27.99 73.92 21 19 1 4216.4 23.09 197.24
 110.00 11 31 26 1347.75 -10.17 341.64 22.78 122.81 11 53 54 747.7 -5.77 335.30
 110.00 21 19 14 4564.49 28.22 185.07 27.01 69.85 22 35 19 3964.5 25.21 177.19

DIFFERENTIAL CORRECTIONS

TOE-1.6410 TRA 2.4438 TC3-4.0890 BAU .7001
 ROE -.1612 RRA .5874 RC3 -.7045 FAU .07292
 FDE-3.0230 FRA 4.2590 FC3-5.0017 BSP 17980
 BDE 1.6489 BRA 2.5134 BC3 4.1493 FSP -2724

MID-COURSE EXECUTION ACCURACY

SGT 5616.4 SGR 1117.2 SG3 798.0
 RRT .9581 RRF .9488 RTF .9887
 SGB 5726.4 R23 -.0050 R13 .9887
 SGI 5717.8 SG2 314.4 TMA 10.82

ORBIT DETERMINATION ACCURACY

ST 2908.6 SR 389.2 SS 2091.2
 CRT .9164 CRS -.9078 CST -.9997
 LSA 3599.8 MSA 161.5 SSA 15.2
 EL1 2930.5 EL2 154.6 ALF 7.01

LAUNCH DATE MAY 5 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 542.106

RL 150.88 LAL .00 LOL 223.83 VL 27.113 GAL 6.07 AZL 91.89 MCA 241.94 SMA 129.58 ECC .19464 INC 1.8881 V1 29.532
 RP 107.55 LAP -1.67 LOP 105.75 VP 37.998 GAP 5.51 AZP 89.11 TAL 153.16 TAP 35.10 RCA 104.36 APO 154.80 V2 35.236
 RC 113.598 GL -14.03 GP -16.73 ZAL 48.20 ZAP 142.27 ETS 338.68 ZAE 128.97 ETE 193.50 ZAC 127.37 ETC 6.90 CLP-145.68

PLANETOCENTRIC CONIC

C3 13.826 VML 3.664 OLA -11.76 RAL 171.81 RAD 6567.5 VEL 11.611 PTH 2.03 VMP 4.745 DPA 1.65 RAP 138.61 ECC 1.2210
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 29 59 1749.80 -6.25 13.88 26.26 117.67 9 59 9 1149.8 -2.50 7.21
 90.00 18 26 46 5141.07 25.27 229.15 30.26 76.78 19 52 27 4541.1 23.20 221.09
 100.00 10 45 21 1506.61 -7.21 355.48 25.74 119.09 11 10 28 906.6 -3.28 348.90
 100.00 19 54 4 4859.49 26.32 208.15 29.97 75.30 21 15 4 4259.5 24.04 200.09
 110.00 11 40 7 1335.12 -9.70 340.96 24.23 122.94 12 2 22 735.1 -5.29 334.64
 110.00 21 15 48 4603.75 29.11 187.78 29.02 71.23 22 32 32 4003.7 26.27 179.75

DIFFERENTIAL CORRECTIONS

TDE-1.7806 TRA 2.6067 TC3-3.9603 BAU .7191
 RDE -.1265 RRA .5537 RC3 -.6038 FAU .06646
 FDE-2.9457 FRA 4.0387 FC3-4.2858 BSP 18520
 BDE 1.7851 BRA 2.6648 BC3 4.0061 FSP -2544

MID-COURSE EXECUTION ACCURACY

SGT 5788.7 SGR 1008.5 SG3 742.9
 RRT .9450 RRF .9330 RTF .9884
 SGB 5875.9 R23 -.0123 R13 .9883
 SGI 5866.9 SG2 325.4 TMA 9.38

ORBIT DETERMINATION ACCURACY

ST 3052.9 SR 331.2 SS 2053.1
 CRT .8735 CRS -.8641 CST -.9998
 LSA 3690.2 MSA 165.6 SSA 15.1
 ELI 3066.6 EL2 160.5 ALF 5.43

LAUNCH DATE MAY 5 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 548.159

RL 150.88 LAL .00 LOL 223.83 VL 27.095 GAL 6.33 AZL 92.02 MCA 245.18 SMA 129.46 ECC .19799 INC 2.0171 V1 29.532
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.990 GAP 5.97 AZP 89.15 TAL 152.48 TAP 37.66 RCA 103.83 APO 155.09 V2 35.241
 RC 115.842 GL -14.51 GP -15.57 ZAL 47.35 ZAP 144.82 ETS 338.20 ZAE 127.95 ETE 192.21 ZAC 126.41 ETC 7.89 CLP-148.05

PLANETOCENTRIC CONIC

C3 14.315 VML 3.783 OLA -12.59 RAL 172.53 RAD 6567.6 VEL 11.649 PTH 2.05 VMP 4.943 DPA 2.52 RAP 139.75 ECC 1.2356
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 39 58 1735.51 -5.80 13.07 27.89 117.76 10 8 53 1135.5 -2.04 6.41
 90.00 18 22 33 5183.48 25.90 232.10 32.33 78.13 19 48 57 4583.5 24.00 223.94
 100.00 10 54 49 1493.99 -6.79 354.78 27.36 119.18 11 19 43 894.0 -2.85 348.21
 100.00 19 50 23 4900.23 26.99 210.99 32.05 76.65 21 12 3 4300.2 24.89 202.82
 110.00 11 48 27 1326.05 -9.36 340.47 25.79 123.03 12 10 33 726.0 -4.95 334.16
 110.00 21 13 15 4640.93 29.89 190.39 31.15 72.59 22 30 36 4040.9 27.22 182.22

DIFFERENTIAL CORRECTIONS

TDE-1.9196 TRA 2.7759 TC3-3.8117 BAU .7362
 RDE -.0929 RRA .5249 RC3 -.5189 FAU .06033
 FDE-2.8600 FRA 3.9474 FC3-3.6484 BSP 19032
 BDE 1.9218 BRA 2.8251 BC3 3.8468 FSP -2374

MID-COURSE EXECUTION ACCURACY

SGT 5943.3 SGR 915.0 SG3 690.7
 RRT .9285 RRF .9135 RTF .9880
 SGB 6013.3 R23 -.0182 R13 .9878
 SGI 6003.9 SG2 336.3 TMA 8.16

ORBIT DETERMINATION ACCURACY

ST 3182.4 SR 282.2 SS 2009.6
 CRT .8082 CRS -.7978 CST -.9998
 LSA 3770.5 MSA 169.6 SSA 15.0
 ELI 3190.6 EL2 165.8 ALF 4.11

LAUNCH DATE MAY 5 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 554.179

RL 150.88 LAL .00 LOL 223.83 VL 27.076 GAL 6.61 AZL 92.14 MCA 248.42 SMA 129.33 ECC .20162 INC 2.1395 V1 29.532
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.981 GAP 6.43 AZP 89.21 TAL 151.77 TAP 40.20 RCA 103.26 APO 155.41 V2 35.246
 RC 118.080 GL -14.88 GP -14.54 ZAL 46.47 ZAP 147.20 ETS 337.70 ZAE 127.00 ETE 191.12 ZAC 125.31 ETC 8.75 CLP-150.27

PLANETOCENTRIC CONIC

C3 15.298 VML 3.911 OLA -13.34 RAL 173.31 RAD 6567.6 VEL 11.691 PTH 2.06 VMP 5.154 DPA 3.23 RAP 140.99 ECC 1.2518
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 49 29 1724.89 -5.46 12.48 29.64 117.83 10 18 14 1124.9 -1.70 5.82
 90.00 18 19 16 5223.73 26.43 234.92 34.50 79.45 19 46 20 4623.7 24.71 226.68
 100.00 11 3 52 1484.92 -6.49 354.27 29.08 119.24 11 28 36 884.9 -2.54 347.71
 100.00 19 47 35 4938.93 27.57 213.72 34.24 77.97 21 9 54 4338.9 25.64 205.45
 110.00 11 56 27 1320.23 -9.15 340.16 27.46 123.08 12 18 27 720.2 -4.73 333.86
 110.00 21 11 29 4676.39 30.59 192.92 33.38 73.94 22 29 26 4076.4 28.08 184.62

DIFFERENTIAL CORRECTIONS

TDE-2.0580 TRA 2.9531 TC3-3.6482 BAU .7517
 RDE -.0604 RRA .5001 RC3 -.4470 FAU .05458
 FDE-2.7698 FRA 3.8074 FC3-3.0887 BSP 19503
 BDE 2.0589 BRA 2.9952 BC3 3.6754 FSP -2212

MID-COURSE EXECUTION ACCURACY

SGT 6082.6 SGR 834.9 SG3 641.7
 RRT .9082 RRF .8902 RTF .9875
 SGB 6139.7 R23 -.0229 R13 .9874
 SGI 6129.9 SG2 346.7 TMA 7.13

ORBIT DETERMINATION ACCURACY

ST 3297.7 SR 242.8 SS 1962.7
 CRT .7106 CRS -.6993 CST -.9998
 LSA 3841.3 MSA 173.5 SSA 14.9
 ELI 3302.2 EL2 170.6 ALF 3.00

LAUNCH DATE MAY 5 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 560.166

RL 150.88 LAL .00 LOL 223.83 VL 27.056 GAL 6.92 AZL 92.26 MCA 251.67 SMA 129.20 ECC .20555 INC 2.2566 V1 29.532
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.971 GAP 6.91 AZP 89.29 TAL 151.04 TAP 42.71 RCA 102.64 APO 155.75 V2 35.250
 RC 120.312 GL -15.14 GP -13.61 ZAL 45.57 ZAP 149.43 ETS 337.16 ZAE 126.13 ETE 190.21 ZAC 124.07 ETC 9.49 CLP-152.36

PLANETOCENTRIC CONIC

C3 16.387 VML 4.048 OLA -13.99 RAL 174.14 RAD 6567.7 VEL 11.738 PTH 2.07 VMP 5.377 DPA 3.78 RAP 142.34 ECC 1.2697
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 58 34 1717.68 -5.23 12.07 31.48 117.87 10 27 12 1117.7 -1.47 5.42
 90.00 18 16 49 5262.11 26.88 237.64 36.76 80.74 19 44 31 4662.1 25.32 229.32
 100.00 11 12 30 1479.14 -6.30 353.95 30.90 119.28 11 37 9 879.1 -2.35 347.39
 100.00 19 45 34 4975.89 28.07 216.35 36.53 79.28 21 8 30 4375.9 26.30 208.00
 110.00 12 4 8 1317.42 -9.04 340.01 29.22 123.11 12 26 5 717.4 -4.62 333.71
 110.00 21 10 25 4710.37 31.20 195.38 35.71 75.27 22 28 56 4110.4 28.87 186.95

DIFFERENTIAL CORRECTIONS

TDE-2.1980 TRA 3.1391 TC3-3.4725 BAU .7655
 RDE -.0289 RRA .4786 RC3 -.3858 FAU .04923
 FDE-2.6775 FRA 3.8783 FC3-2.8006 BSP 19932
 BDE 2.1962 BRA 3.1754 BC3 3.4939 FSP -2060

MID-COURSE EXECUTION ACCURACY

SGT 6207.4 SGR 766.0 SG3 596.0
 RRT .8838 RRF .8628 RTF .9871
 SGB 6254.4 R23 -.0267 R13 .9870
 SGI 6244.3 SG2 356.2 TMA 6.24

ORBIT DETERMINATION ACCURACY

ST 3399.2 SR 213.6 SS 1913.1
 CRT .5723 CRS -.5600 CST -.9999
 LSA 3902.4 MSA 177.3 SSA 14.7
 ELI 3401.4 EL2 175.1 ALF 2.07

LAUNCH DATE MAY 5 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 27 1967

DISTANCE 566.117

HELIOCENTRIC CONIC
 RL 150.88 LAL .00 LOL 223.83 VL 27.036 GAL 7.24 AZL 92.37 MCA 254.91 SMA 129.06 ECC .20979 INC 2.3694 VI 29.532
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.960 GAP 7.39 AZP 89.38 TAL 150.30 TAP 45.21 RCA 101.99 APO 156.14 V2 35.253
 RC 122.538 GL -15.33 GP -12.79 ZAL 44.65 ZAP 151.52 ETS 336.55 ZAE 125.31 ETE 189.43 ZAC 122.75 ETC 10.12 CLP-154.34

PLANETOCENTRIC CONIC
 C3 17.595 VHL 4.195 DLA -14.57 RAL 175.01 RAD 6567.7 VEL 11.789 PTH 2.08 VMP 5.613 OPA 4.19 RAP 143.77 ECC 1.2896
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 7 14 1713.67 -5.11 11.84 33.41 117.89 10 35 47 1113.7 -1.34 5.20
 90.00 18 15 5 5298.89 27.26 240.27 39.11 82.01 19 43 24 4698.9 25.87 231.88
 100.00 11 20 45 1476.45 -6.21 353.80 32.81 119.30 11 45 21 876.4 -2.26 347.24
 100.00 19 44 15 5011.35 28.49 218.90 38.90 80.56 21 7 46 4411.3 26.89 210.47
 110.00 12 11 31 1317.44 -9.04 340.01 31.07 123.11 12 33 28 717.4 -4.62 333.71
 110.00 21 9 59 4743.12 31.74 197.77 38.14 76.60 22 29 2 4143.1 29.58 189.24

DIFFERENTIAL CORRECTIONS
 TOE-2.3319 TRA 3.3383 TC3-3.2810 BAU .7757
 ROE .0022 RRA .4602 RC3 -.3324 FAU .04403
 FDE-2.5816 FRA 3.5645 FC3-2.1663 BSP 20253
 BOE 2.3319 BRA 3.3698 BC3 3.2978 FSP -1909

MID-COURSE EXECUTION ACCURACY
 SGT 6318.2 SGR 706.9 SG3 553.5
 RRT .8549 RRF .8311 RTF .9866
 SGB 6357.6 R23 -.0293 R13 .9865
 SGI 6347.1 SGI 365.1 TMA 5.48

ORBIT DETERMINATION ACCURACY
 ST 3485.7 SR 195.1 SS 1860.4
 CRT .3918 CRS -.3793 CST -.9999
 LSA 3951.8 MSA 181.1 SSA 14.6
 EL1 3486.6 EL2 179.4 ALF 1.26

LAUNCH DATE MAY 5 1967

FLIGHT TIME 208.00

ARRIVAL DATE NOV 29 1967

DISTANCE 572.027

HELIOCENTRIC CONIC
 RL 150.88 LAL .00 LOL 223.83 VL 27.016 GAL 7.59 AZL 92.48 MCA 258.16 SMA 128.92 ECC .21438 INC 2.4788 VI 29.532
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.948 GAP 7.89 AZP 89.49 TAL 149.54 TAP 47.69 RCA 101.28 APO 156.56 V2 35.256
 RC 124.755 GL -15.44 GP -12.05 ZAL 43.71 ZAP 153.49 ETS 335.86 ZAE 124.57 ETE 188.77 ZAC 121.29 ETC 10.66 CLP-156.21

PLANETOCENTRIC CONIC
 C3 18.937 VHL 4.352 DLA -15.09 RAL 175.91 RAD 6567.8 VEL 11.846 PTH 2.10 VMP 5.862 OPA 4.48 RAP 145.28 ECC 1.3117
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 15 28 1712.69 -5.08 11.79 35.42 117.90 10 44 1 1112.7 -1.30 5.14
 90.00 18 14 2 5334.25 27.56 242.81 41.54 83.24 19 42 57 4734.2 26.34 234.36
 100.00 11 28 37 1476.66 -6.21 353.81 34.79 119.30 11 53 14 876.7 -2.26 347.26
 100.00 19 43 34 5045.51 28.85 221.38 41.35 81.81 21 7 40 4445.5 27.42 212.87
 110.00 12 18 36 1320.12 -9.14 340.15 33.00 123.08 12 40 36 720.1 -4.72 333.85
 110.00 21 10 5 4774.81 32.22 200.12 40.65 77.91 22 29 40 4174.8 30.22 191.46

DIFFERENTIAL CORRECTIONS
 TOE-2.4720 TRA 3.5448 TC3-3.0917 BAU .7861
 ROE .0322 RRA .4434 RC3 -.2875 FAU .03944
 FDE-2.4925 FRA 3.4569 FC3-1.8033 BSP 20627
 BOE 2.4722 BRA 3.5724 BC3 3.1050 FSP -1780

MID-COURSE EXECUTION ACCURACY
 SGT 6418.6 SGR 655.8 SG3 514.4
 RRT .8216 RRF .7950 RTF .9862
 SGB 6452.0 R23 -.0316 R13 .9860
 SGI 6441.2 SGI 372.5 TMA 4.81

ORBIT DETERMINATION ACCURACY
 ST 3564.0 SR 186.4 SS 1810.0
 CRT .1893 CRS -.1769 CST -.9999
 LSA 3997.4 MSA 184.3 SSA 14.5
 EL1 3564.2 EL2 183.1 ALF .57

LAUNCH DATE MAY 5 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 1 1967

DISTANCE 577.893

HELIOCENTRIC CONIC
 RL 150.88 LAL .00 LOL 223.83 VL 26.994 GAL 7.97 AZL 92.59 MCA 261.40 SMA 128.78 ECC .21933 INC 2.5857 VI 29.532
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.934 GAP 8.40 AZP 89.61 TAL 148.76 TAP 50.16 RCA 100.53 APO 157.02 V2 35.258
 RC 126.964 GL -15.48 GP -11.39 ZAL 42.77 ZAP 155.35 ETS 335.08 ZAE 123.87 ETE 188.19 ZAC 119.76 ETC 11.12 CLP-157.99

PLANETOCENTRIC CONIC
 C3 20.431 VHL 4.520 DLA -15.53 RAL 176.84 RAD 6567.8 VEL 11.908 PTH 2.12 VMP 6.124 OPA 4.65 RAP 146.86 ECC 1.3362
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 23 19 1714.59 -5.14 11.90 37.50 117.89 10 51 53 1114.6 -1.37 5.25
 90.00 18 13 36 5368.38 27.81 245.28 44.03 84.46 19 43 4 4768.4 26.75 236.77
 100.00 11 36 7 1479.65 -6.31 353.98 36.85 119.28 12 0 47 879.7 -2.36 347.42
 100.00 19 43 28 5078.54 29.15 223.79 43.87 83.05 21 8 7 4478.5 27.88 215.22
 110.00 12 25 23 1325.33 -9.34 340.43 35.01 123.03 12 47 29 725.3 -4.92 334.12
 110.00 21 10 41 4805.63 32.64 202.43 43.25 79.22 22 30 47 4205.6 30.81 193.69

DIFFERENTIAL CORRECTIONS
 TOE-2.6137 TRA 3.7631 TC3-2.8983 BAU .7946
 ROE .0616 RRA .4283 RC3 -.2485 FAU .03519
 FDE-2.4062 FRA 3.3598 FC3-1.4910 BSP 20970
 BOE 2.6144 BRA 3.7874 BC3 2.9090 FSP -1659

MID-COURSE EXECUTION ACCURACY
 SGT 6507.9 SGR 611.6 SG3 478.4
 RRT .7837 RRF .7545 RTF .9858
 SGB 6536.6 R23 -.0332 R13 .9856
 SGI 6525.6 SGI 378.8 TMA 4.23

ORBIT DETERMINATION ACCURACY
 ST 3631.6 SR 186.3 SS 1759.9
 CRT -.0107 CRS .0223 CST -.9999
 LSA 4035.5 MSA 187.2 SSA 14.2
 EL1 3631.6 EL2 186.3 ALF 179.97

LAUNCH DATE MAY 5 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 3 1967

DISTANCE 583.712

HELIOCENTRIC CONIC
 RL 150.88 LAL .00 LOL 223.83 VL 26.973 GAL 8.37 AZL 92.69 MCA 264.65 SMA 128.63 ECC .22468 INC 2.6907 VI 29.532
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.920 GAP 8.93 AZP 89.75 TAL 147.97 TAP 52.62 RCA 99.73 APO 157.53 V2 35.259
 RC 129.185 GL -15.46 GP -10.80 ZAL 41.82 ZAP 157.11 ETS 334.18 ZAE 123.23 ETE 187.69 ZAC 118.16 ETC 11.50 CLP-159.69

PLANETOCENTRIC CONIC
 C3 22.096 VHL 4.701 DLA -15.92 RAL 177.78 RAD 6567.9 VEL 11.978 PTH 2.13 VMP 6.400 OPA 4.73 RAP 148.49 ECC 1.3637
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 30 45 1719.25 -5.28 12.16 39.64 117.86 10 59 24 1119.3 -1.52 5.51
 90.00 18 13 42 5401.42 28.01 247.67 46.60 85.64 19 43 44 4801.4 27.11 239.12
 100.00 11 43 15 1485.30 -6.50 354.29 38.98 119.24 12 8 0 885.3 -2.56 347.73
 100.00 19 43 53 5110.61 29.39 226.14 46.46 84.26 21 9 3 4510.6 28.28 217.51
 110.00 12 31 53 1332.96 -9.62 340.84 37.08 122.96 12 54 6 733.0 -5.21 334.52
 110.00 21 11 44 4835.71 33.00 204.70 45.90 80.52 22 32 20 4235.7 31.34 195.87

DIFFERENTIAL CORRECTIONS
 TOE-2.7568 TRA 3.9949 TC3-2.7017 BAU .8006
 ROE .0908 RRA .4142 RC3 -.2143 FAU .03121
 FDE-2.3227 FRA 3.2728 FC3-1.2228 BSP 21272
 BOE 2.7583 BRA 4.0163 BC3 2.7102 FSP -1546

MID-COURSE EXECUTION ACCURACY
 SGT 6586.5 SGR 573.2 SG3 445.2
 RRT .7413 RRF .7099 RTF .9854
 SGB 6611.4 R23 -.0343 R13 .9852
 SGI 6600.2 SGI 383.9 TMA 3.70

ORBIT DETERMINATION ACCURACY
 ST 3688.4 SR 192.6 SS 1710.2
 CRT -.1860 CRS .1965 CST -.9999
 LSA 4065.7 MSA 189.9 SSA 14.1
 EL1 3688.5 EL2 189.2 ALF 179.44

LAUNCH DATE MAY 5 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 5 1967

MELIOCENTRIC CONIC
 RL 150.88 LAL .00 LOL 223.83 VL 26.950 GAL 8.81 AZL 92.79 MCA 267.90 SMA 128.48 ECC .23045 INC 2.7947 V1 29.532
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.904 GAP 9.48 ATP 89.90 TAL 147.17 TAP 55.07 RCA 98.87 APO 158.09 V2 35.259
 RC 131.355 GL -15.38 GP -10.27 ZAL 40.87 ZAP 158.77 ETS 333.14 ZAE 122.64 ETE 187.26 ZAC 116.50 ETC 11.82 CLP-161.32

PLANETOCENTRIC CONIC
 C3 23.959 VML 4.895 OLA -16.26 RAL 178.74 RAD 6568.0 VEL 12.056 PTH 2.15 VMP 6.691 DPA 4.71 RAP 150.17 ECC 1.3943
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 37.46 1726.57 -5.52 12.57 41.85 117.82 11 6 33 1126.6 -1.75 5.91
 90.00 18 14 19 5433.51 28.15 250.01 49.22 86.81 19 44 52 4833.5 27.41 241.42
 100.00 11 50 0 1493.49 -6.77 354.75 41.16 119.18 12 14 54 893.5 -2.83 348.18
 100.00 19 44 46 5141.82 29.58 228.45 49.11 85.46 21 10 28 4541.8 28.63 219.77
 110.00 12 38 4 1342.91 -9.99 341.38 39.21 122.86 13 0 27 742.9 -5.59 335.05
 110.00 21 13 11 4865.17 33.30 206.95 48.62 81.81 22 34 16 4265.2 31.82 198.04

DIFFERENTIAL CORRECTIONS
 TOE-2.8993 TRA 4.2446 TC3-2.4992 BAU .8027
 ROE .1200 RRA .4012 RC3 -.1840 FAU .02736
 FDE-2.2402 FRA 3.1983 FC3 -.9888 BSP 21460
 BOE 2.9018 BRA 4.2635 BC3 2.5059 FSP -1435

MID-COURSE EXECUTION ACCURACY
 SGT 6655.1 SGR 539.9 SG3 414.6
 RRT .6946 RRF .6615 RTF .9850
 SGB 6677.0 R23 -.0347 R13 .9848
 SG1 6665.7 SG2 387.8 TMA 3.24

ORBIT DETERMINATION ACCURACY
 ST 3732.9 SR 203.2 SS 1660.2
 CRT -.3276 CRS .3368 CST -.9999
 LSA 4085.9 MSA 192.4 SSA 13.9
 EL1 3733.5 EL2 192.0 ALF 178.98

LAUNCH DATE MAY 5 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 7 1967

MELIOCENTRIC CONIC
 RL 150.88 LAL .00 LOL 223.83 VL 26.928 GAL 9.27 AZL 92.90 MCA 271.14 SMA 128.33 ECC .23669 INC 2.8982 V1 29.532
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.888 GAP 10.04 ATP 90.06 TAL 146.37 TAP 57.51 RCA 97.96 APO 158.71 V2 35.259
 RC 133.337 GL -15.27 GP -9.78 ZAL 39.92 ZAP 160.36 ETS 331.94 ZAE 122.09 ETE 186.87 ZAC 114.78 ETC 12.09 CLP-162.89

PLANETOCENTRIC CONIC
 C3 26.045 VML 5.103 OLA -16.55 RAL 179.71 RAD 6568.1 VEL 12.142 PTH 2.18 VMP 6.999 DPA 4.61 RAP 151.90 ECC 1.4286
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 44 23 1736.47 -5.83 13.13 117.76 11 13 19 1136.5 -2.07 6.47
 90.00 18 15 23 5464.74 28.25 252.29 51.90 87.95 19 46 28 4864.7 27.66 243.67
 100.00 11 56 23 1504.16 -7.13 355.34 43.40 119.11 12 21 27 904.2 -3.19 348.77
 100.00 19 46 4 5172.28 29.72 230.70 51.82 86.64 21 12 17 4572.3 28.94 221.98
 110.00 12 43 58 1355.10 -10.44 342.03 41.39 122.74 13 6 33 755.1 -6.05 335.69
 110.00 21 14 59 4894.10 33.56 209.17 51.42 83.10 22 36 33 4294.1 32.25 200.18

DIFFERENTIAL CORRECTIONS
 TOE-3.0494 TRA 4.5051 TC3-2.3057 BAU .8047
 ROE .1488 RRA .3881 RC3 -.1579 FAU .02399
 FDE-2.1665 FRA 3.1286 FC3 -.7975 BSP 21726
 BOE 3.0531 BRA 4.5218 BC3 2.3111 FSP -1341

MID-COURSE EXECUTION ACCURACY
 SGT 6715.7 SGR 510.4 SG3 386.4
 RRT .6435 RRF .6091 RTF .9847
 SGB 6735.0 R23 -.0349 R13 .9846
 SG1 6723.7 SG2 390.2 TMA 2.81

ORBIT DETERMINATION ACCURACY
 ST 3772.4 SR 215.7 SS 1614.2
 CRT -.4372 CRS .4451 CST -.9999
 LSA 4104.3 MSA 194.3 SSA 13.7
 EL1 3773.6 EL2 193.9 ALF 178.56

LAUNCH DATE MAY 5 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 9 1967

MELIOCENTRIC CONIC
 RL 150.88 LAL .00 LOL 223.83 VL 26.905 GAL 9.77 AZL 93.00 MCA 274.39 SMA 128.18 ECC .24344 INC 3.0019 V1 29.532
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.870 GAP 10.64 ATP 90.23 TAL 145.57 TAP 59.96 RCA 96.97 APO 159.38 V2 35.257
 RC 135.709 GL -15.11 GP -9.35 ZAL 38.98 ZAP 161.88 ETS 330.54 ZAE 121.57 ETE 186.53 ZAC 113.02 ETC 12.31 CLP-164.41

PLANETOCENTRIC CONIC
 C3 28.390 VML 5.328 OLA -16.79 RAL 180.67 RAD 6568.1 VEL 12.238 PTH 2.20 VMP 7.325 DPA 4.43 RAP 153.66 ECC 1.4672
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 50 35 1748.86 -6.22 13.83 117.68 11 19 44 1148.9 -2.47 7.16
 90.00 18 16 53 5495.20 28.30 254.52 54.63 89.06 19 48 28 4895.2 27.87 245.88
 100.00 12 2 23 1517.21 -7.56 356.07 45.68 119.01 12 27 40 917.2 -3.63 349.49
 100.00 19 47 46 5202.09 29.82 232.91 54.58 87.80 21 14 28 4602.1 29.19 224.16
 110.00 12 49 32 1369.46 -10.97 342.81 43.63 122.58 13 12 22 769.5 -6.59 336.45
 110.00 21 17 6 4922.60 33.77 211.37 54.26 84.39 22 39 9 4322.6 32.63 202.32

DIFFERENTIAL CORRECTIONS
 TOE-3.2038 TRA 4.7827 TC3-2.1142 BAU .8040
 ROE .1777 RRA .3751 RC3 -.1349 FAU .02084
 FDE-2.0973 FRA 3.0675 FC3 -.6357 BSP 21968
 BOE 3.2087 BRA 4.7974 BC3 2.1185 FSP -1254

MID-COURSE EXECUTION ACCURACY
 SGT 6767.9 SGR 484.4 SG3 360.6
 RRT .5884 RRF .5530 RTF .9845
 SGB 6785.2 R23 -.0348 R13 .9844
 SG1 6773.9 SG2 391.3 TMA 2.42

ORBIT DETERMINATION ACCURACY
 ST 3804.1 SR 229.1 SS 1570.1
 CRT -.5212 CRS .5281 CST -.9999
 LSA 4117.1 MSA 195.7 SSA 13.5
 EL1 3805.9 EL2 195.4 ALF 178.20

LAUNCH DATE MAY 5 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 11 1967

MELIOCENTRIC CONIC
 RL 150.88 LAL .00 LOL 223.83 VL 26.882 GAL 10.31 AZL 93.11 MCA 277.64 SMA 128.02 ECC .25075 INC 3.1066 V1 29.532
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.852 GAP 11.26 ATP 90.41 TAL 144.76 TAP 62.40 RCA 95.92 APO 160.13 V2 35.255
 RC 137.871 GL -14.91 GP -8.95 ZAL 38.05 ZAP 163.33 ETS 328.89 ZAE 121.07 ETE 186.22 ZAC 111.22 ETC 12.51 CLP-165.88

PLANETOCENTRIC CONIC
 C3 31.031 VML 5.571 OLA -16.99 RAL 181.63 RAD 6568.2 VEL 12.345 PTH 2.23 VMP 7.670 DPA 4.19 RAP 155.44 ECC 1.5107
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 56 22 1763.66 -6.69 14.66 117.58 11 25 46 1163.7 -2.95 7.99
 90.00 18 18 45 5524.97 28.32 256.69 57.40 90.15 19 50 30 4925.0 28.04 248.04
 100.00 12 7 59 1532.56 -8.06 356.93 48.01 118.88 12 33 32 932.6 -4.15 350.33
 100.00 19 49 49 5231.30 29.88 235.08 57.39 88.94 21 17 0 4631.3 29.41 226.31
 110.00 12 54 48 1385.91 -11.57 343.71 45.91 122.39 13 17 54 785.9 -7.21 337.32
 110.00 21 19 30 4950.72 33.94 213.54 57.16 85.67 22 42 1 4350.7 32.97 204.44

DIFFERENTIAL CORRECTIONS
 TOE-3.3625 TRA 5.0790 TC3-1.9252 BAU .8001
 ROE .2068 RRA .3617 RC3 -.1146 FAU .01788
 FDE-2.0323 FRA 3.0146 FC3 -.4988 BSP 22170
 BOE 3.3688 BRA 5.0918 BC3 1.9286 FSP -1172

MID-COURSE EXECUTION ACCURACY
 SGT 6811.7 SGR 461.4 SG3 336.7
 RRT .5292 RRF .4936 RTF .9843
 SGB 6827.3 R23 -.0342 R13 .9842
 SG1 6816.1 SG2 391.2 TMA 2.06

ORBIT DETERMINATION ACCURACY
 ST 3827.6 SR 242.6 SS 1528.0
 CRT -.5859 CRS .5917 CST -.9999
 LSA 4123.7 MSA 196.6 SSA 13.3
 EL1 3830.2 EL2 196.5 ALF 177.87

LAUNCH DATE MAY 6 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 15 1967

HELIOCENTRIC CONIC

DISTANCE 131.032
 RL 150.91 LAL .00 LOL 224.79 VL 16.088 GAL 23.31 AZL 90.65 MCA 38.43 SMA 88.48 ECC .75934 INC .6506 V1 29.525
 RP 108.70 LAP -.40 LOP 263.22 VP 30.689 GAP -48.06 A7P 90.51 TAL 171.90 TAP 210.33 RCA 21.29 APO 155.66 V2 34.862
 RC 76.944 GL -.60 GP 2.16 ZAL 68.05 ZAP 32.07 ETS 186.10 ZAE 140.39 ETE 173.90 ZAC 146.20 ETC 32.54 CLP 32.00

PLANETOCENTRIC CONIC

C3 252.866 VML 15.302 DLA 8.47 RAL 158.26 RAD 6571.4 VEL 19.344 PTM 3.10 VMP 27.144 DPA 25.33 RAP 117.89 ECC 5.1615
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 57 22 3032.89 -27.79 98.82 64.24 84.33 6 47 55 2432.9 -28.28 90.19
 90.00 20 3 27 5145.24 25.33 229.44 55.79 76.91 21 29 12 4545.2 25.28 221.37
 100.00 7 22 49 2757.28 -29.42 78.73 64.42 84.45 8 8 46 2157.3 -29.88 69.95
 100.00 21 20 41 4896.08 26.93 210.70 55.37 76.51 22 42 17 4296.1 24.81 202.54
 110.00 8 40 26 2514.39 -33.83 60.77 64.91 84.78 9 22 21 1914.4 -34.18 51.55
 110.00 22 19 34 4711.73 31.23 195.48 54.14 75.33 23 38 5 4111.7 28.90 187.05

DIFFERENTIAL CORRECTIONS

TDE .7066 TRA-1.9121 TC3 -.1135 BAU .3848
 ROE-1.1289 RRA -.5785 RC3 .0089 FAU .01228
 FOE -.3123 FRA .6689 FC3 -.0421 BSP 1139
 BOE 1.3318 BRA 1.9977 BC3 .1138 FSP -44

MID-COURSE EXECUTION ACCURACY

SGT 824.8 SGR 459.0 SG3 25.9
 RRT .0871 RRF -.0682 RTF -.6070
 SGB 943.9 R23 .0081 R13 -.6071
 SGI 826.2 SG2 456.5 TMA 4.00

ORBIT DETERMINATION ACCURACY

ST 329.6 SR 411.7 SS 314.8
 CRT -.6661 CRS -.7446 CST .9919
 LSA 567.1 MSA 235.4 SSA 14.2
 EL1 484.1 EL2 209.0 ALF 125.70

LAUNCH DATE MAY 6 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 17 1967

HELIOCENTRIC CONIC

DISTANCE 136.646
 RL 150.91 LAL .00 LOL 224.79 VL 16.852 GAL 22.30 AZL 90.89 MCA 41.60 SMA 89.98 ECC .73240 INC .8892 V1 29.525
 RP 108.73 LAP -.59 LOP 266.39 VP 31.085 GAP -45.88 A7P 90.67 TAL 171.10 TAP 212.70 RCA 24.08 APO 155.89 V2 34.853
 RC 74.673 GL -.91 GP 2.22 ZAL 66.80 ZAP 30.56 ETS 186.35 ZAE 140.66 ETE 173.22 ZAC 144.72 ETC 31.31 CLP 30.48

PLANETOCENTRIC CONIC

C3 229.840 VML 15.160 DLA 7.72 RAL 159.32 RAD 6571.3 VEL 18.739 PTM 3.06 VMP 26.109 DPA 25.15 RAP 119.71 ECC 4.7826
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 7 29 2995.55 -28.01 96.11 63.91 85.67 6 57 24 2395.5 -28.32 87.46
 90.00 20 1 47 5158.19 25.50 230.20 56.18 77.25 21 27 43 4556.2 23.49 222.10
 100.00 7 32 32 2721.21 -29.63 76.07 64.05 85.84 8 17 53 2121.2 -29.89 67.27
 100.00 21 19 25 4905.77 27.08 211.38 58.77 76.84 22 41 10 4305.8 25.00 203.20
 110.00 8 49 16 2481.09 -34.01 58.19 64.40 86.30 9 30 37 1881.1 -34.15 48.95
 110.00 22 19 10 4718.65 31.34 195.98 54.57 75.60 23 37 49 4118.7 29.05 187.53

DIFFERENTIAL CORRECTIONS

TDE .7601 TRA-1.8725 TC3 -.1125 BAU .3472
 ROE-1.0844 RRA -.5660 RC3 .0108 FAU .01267
 FOE -.3342 FRA .6867 FC3 -.0477 BSP 2429
 BOE 1.3243 BRA 1.9561 BC3 .1130 FSP -62

MID-COURSE EXECUTION ACCURACY

SGT 841.9 SGR 464.4 SG3 28.1
 RRT .0645 RRF -.0630 RTF -.6361
 SGB 961.5 R23 -.0042 R13 -.6365
 SGI 842.7 SG2 463.0 TMA 2.92

ORBIT DETERMINATION ACCURACY

ST 358.5 SR 414.9 SS 335.7
 CRT -.6983 CRS -.7559 CST .9948
 LSA 598.4 MSA 234.7 SSA 14.1
 EL1 506.4 EL2 210.3 ALF 129.07

LAUNCH DATE MAY 6 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 19 1967

HELIOCENTRIC CONIC

DISTANCE 142.370
 RL 150.91 LAL .00 LOL 224.79 VL 17.567 GAL 21.35 AZL 91.10 MCA 44.77 SMA 91.51 ECC .70568 INC 1.0995 V1 29.525
 RP 108.76 LAP -.77 LOP 269.56 VP 31.469 GAP -43.83 A7P 90.78 TAL 170.29 TAP 215.07 RCA 26.93 APO 156.09 V2 34.844
 RC 72.433 GL -1.24 GP 2.28 ZAL 65.60 ZAP 29.07 ETS 186.63 ZAE 141.03 ETE 172.48 ZAC 143.21 ETC 30.17 CLP 28.99

PLANETOCENTRIC CONIC

C3 209.043 VML 14.458 DLA 6.97 RAL 160.32 RAD 6571.2 VEL 18.176 PTM 3.02 VMP 25.113 DPA 24.94 RAP 121.55 ECC 4.4403
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 17 19 2957.57 -28.18 93.34 63.45 87.04 7 6 37 2357.6 -28.29 84.68
 90.00 19 59 55 5166.38 25.63 230.90 56.46 77.58 21 26 2 4566.4 23.68 222.79
 100.00 7 42 0 2684.47 -29.78 73.35 63.55 87.26 8 26 44 2084.5 -29.84 64.54
 100.00 21 17 56 4914.71 27.22 212.01 56.07 77.14 22 59 51 4314.7 25.18 203.80
 110.00 8 57 51 2447.08 -34.12 55.54 63.76 87.86 9 38 38 1847.1 -34.04 46.30
 110.00 22 18 34 4724.86 31.45 196.43 54.90 75.85 23 37 19 4124.9 29.19 187.96

DIFFERENTIAL CORRECTIONS

TDE .7563 TRA-1.8902 TC3 -.1209 BAU .3397
 ROE-1.0417 RRA -.5538 RC3 .0127 FAU .01276
 FOE -.3495 FRA .7117 FC3 -.0528 BSP 2355
 BOE 1.2873 BRA 1.9696 BC3 .1215 FSP -65

MID-COURSE EXECUTION ACCURACY

SGT 884.0 SGR 469.7 SG3 30.3
 RRT .0729 RRF -.0684 RTF -.6526
 SGB 1001.0 R23 -.0023 R13 -.6530
 SGI 884.9 SG2 468.0 TMA 3.08

ORBIT DETERMINATION ACCURACY

ST 375.7 SR 418.1 SS 353.0
 CRT -.6920 CRS -.7573 CST .9939
 LSA 618.1 MSA 241.4 SSA 14.4
 EL1 517.7 EL2 219.1 ALF 130.60

LAUNCH DATE MAY 6 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 21 1967

HELIOCENTRIC CONIC

DISTANCE 148.193
 RL 150.91 LAL .00 LOL 224.79 VL 18.237 GAL 20.44 AZL 91.29 MCA 47.94 SMA 93.05 ECC .67929 INC 1.2876 V1 29.525
 RP 108.79 LAP -.96 LOP 272.73 VP 31.839 GAP -41.88 A7P 90.86 TAL 169.50 TAP 217.44 RCA 29.84 APO 156.26 V2 34.835
 RC 70.227 GL -1.60 GP 2.35 ZAL 64.45 ZAP 27.61 ETS 186.96 ZAE 141.48 ETE 171.67 ZAC 141.67 ETC 29.10 CLP 27.52

PLANETOCENTRIC CONIC

C3 190.203 VML 13.791 DLA 6.21 RAL 161.26 RAD 6571.0 VEL 17.650 PTM 2.98 VMP 24.151 DPA 24.72 RAP 123.41 ECC 4.1303
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 26 53 2918.93 -28.28 90.52 62.87 88.46 7 15 32 2318.9 -28.19 81.86
 90.00 9 57 51 5175.75 25.79 231.56 56.63 77.88 21 24 7 4575.7 23.86 223.42
 100.00 7 51 10 2647.06 -29.87 70.57 62.91 88.72 8 35 17 2047.1 -29.73 61.77
 100.00 21 16 15 4922.85 27.34 212.58 56.25 77.42 22 38 18 4322.9 25.33 204.35
 110.00 9 6 10 2412.36 -34.18 52.83 62.99 89.47 9 46 22 1812.4 -33.88 43.60
 110.00 22 17 45 4730.31 31.54 196.83 55.12 76.08 23 36 35 4130.3 29.30 188.34

DIFFERENTIAL CORRECTIONS

TDE .7606 TRA-1.8992 TC3 -.1278 BAU .3271
 ROE -.9991 RRA -.5407 RC3 .0149 FAU .01290
 FOE -.3662 FRA .7360 FC3 -.0587 BSP 2489
 BOE 1.2556 BRA 1.9747 BC3 .1286 FSP -71

MID-COURSE EXECUTION ACCURACY

SGT 924.1 SGR 474.4 SG3 32.8
 RRT .0769 RRF -.0724 RTF -.6705
 SGB 1038.7 R23 -.0026 R13 -.6708
 SGI 925.1 SG2 472.5 TMA 3.06

ORBIT DETERMINATION ACCURACY

ST 395.8 SR 420.6 SS 371.4
 CRT -.6910 CRS -.7599 CST .9935
 LSA 640.6 MSA 246.6 SSA 14.6
 EL1 531.2 EL2 226.5 ALF 132.49

LAUNCH DATE MAY 6 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 23 1967

HELIOCENTRIC CONIC

DISTANCE 154.109

RL 150.91 LAL .00 LOL 224.79 VL 18.865 GAL 19.57 AZL 91.46 MCA 51.11 SMA 94.60 ECC .65334 INC 1.4576 V1 29.525
 RP 108.81 LAP -1.13 LOP 275.89 VP 32.194 GAP -40.03 AZP 90.92 TAL 168.73 TAP 219.83 RCA 32.79 APO 156.40 V2 34.827
 RC 68.060 GL -1.97 GP 2.43 ZAL 63.36 ZAP 26.47 ETS 187.33 ZAE 142.03 ETE 170.78 ZAC 140.10 ETC 28.11 CLP 26.06

PLANETOCENTRIC CONIC

C3 173.124 VML 13.158 CLA 5.45 RAL 162.14 RAD 6570.9 VEL 17.159 PTH 2.94 VMP 23.222 DPA 24.48 RAP 125.28 ECC 3.8492
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 36 10 2879.60 -28.32 87.64 62.16 89.90 7 24 10 2279.6 -28.03 78.99
 90.00 19 55 34 5184.34 25.91 232.16 56.69 78.16 21 21 58 4584.3 24.02 224.00
 100.00 8 0 5 2608.93 -29.89 67.74 62.15 90.21 8 43 34 2008.9 -29.54 58.95
 100.00 21 14 20 4930.24 27.45 213.10 56.32 77.67 22 36 30 4330.2 25.47 204.86
 110.00 9 14 14 2376.90 -34.17 50.06 62.10 91.10 9 53 50 1776.9 -33.64 40.86
 110.00 22 16 41 4735.04 31.62 197.18 55.22 76.27 23 35 36 4135.0 29.40 188.67

DIFFERENTIAL CORRECTIONS

TOE .7645 TRA-1.9079 TC3 -.1346 BAU .3142
 ROE -.9568 RRA -.5270 RC3 .0174 FAU .01307
 FDE -.3834 FRA .7607 FC3 -.0654 BSP 2625
 BDE 1.2247 BRA 1.9793 BC3 .1358 FSP -78

MID-COURSE EXECUTION ACCURACY

SGT 965.8 SGR 478.4 SG3 35.4
 RRT .0810 RRF -.0766 RTF -.6876
 SGB 1077.8 R23 -.0030 R13 -.6879
 SG1 966.9 SG2 476.3 TMA 3.03

ORBIT DETERMINATION ACCURACY

ST 416.7 SR 422.4 SS 390.5
 CRT -.6898 CRS -.7623 CST -.9930
 LSA 664.1 MSA 251.4 SSA 14.8
 EL1 545.4 EL2 233.6 ALF 134.44

LAUNCH DATE MAY 6 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 25 1967

HELIOCENTRIC CONIC

DISTANCE 160.111

RL 150.91 LAL .00 LOL 224.79 VL 19.454 GAL 18.74 AZL 91.61 MCA 54.27 SMA 96.14 ECC .62791 INC 1.6131 V1 29.525
 RP 108.83 LAP -1.31 LOP 279.06 VP 32.535 GAP -38.26 AZP 90.94 TAL 167.96 TAP 222.24 RCA 35.77 APO 156.51 V2 34.820
 RC 65.936 GL -2.37 GP 2.51 ZAL 62.33 ZAP 24.75 ETS 187.76 ZAE 142.67 ETE 169.80 ZAC 138.50 ETC 27.19 CLP 24.63

PLANETOCENTRIC CONIC

C3 157.628 VML 12.555 CLA 4.69 RAL 162.95 RAD 6570.7 VEL 16.702 PTH 2.89 VMP 22.324 DPA 24.22 RAP 127.15 ECC 3.5942
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 45 12 2839.52 -28.29 84.71 61.32 91.37 7 32 31 2239.5 -27.80 76.08
 90.00 19 53 2 5192.20 26.02 232.71 56.64 78.41 21 19 34 4592.2 24.16 224.53
 100.00 8 8 45 2570.05 -29.85 64.85 61.27 91.73 8 51 35 1970.0 -29.29 56.09
 100.00 21 12 11 4936.91 27.55 213.57 56.28 77.90 22 34 28 4336.9 25.60 205.31
 110.00 9 22 2 2340.65 -34.08 47.23 61.07 92.78 10 1 3 1740.7 -33.32 38.07
 110.00 22 15 22 4739.06 31.68 197.48 55.20 76.43 23 34 21 4139.1 29.49 188.95

DIFFERENTIAL CORRECTIONS

TOE .7700 TRA-1.9141 TC3 -.1409 BAU .2999
 ROE -.9150 RRA -.5126 RC3 .0203 FAU .01327
 FDE -.4015 FRA .7856 FC3 -.0729 BSP 2811
 BDE 1.1959 BRA 1.9816 BC3 .1423 FSP -86

MID-COURSE EXECUTION ACCURACY

SGT 1008.4 SGR 481.7 SG3 38.3
 RRT .0843 RRF -.0808 RTF -.7046
 SGB 1117.5 R23 -.0040 R13 -.7049
 SG1 1009.4 SG2 479.5 TMA 2.98

ORBIT DETERMINATION ACCURACY

ST 439.0 SR 423.5 SS 410.3
 CRT -.6898 CRS -.7649 CST .9927
 LSA 689.1 MSA 255.5 SSA 15.0
 EL1 560.7 EL2 240.0 ALF 136.50

LAUNCH DATE MAY 6 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 27 1967

HELIOCENTRIC CONIC

DISTANCE 166.195

RL 150.91 LAL .00 LOL 224.79 VL 20.005 GAL 17.95 AZL 91.76 MCA 57.44 SMA 97.68 ECC .60307 INC 1.7566 V1 29.525
 RP 108.85 LAP -1.48 LOP 282.22 VP 32.860 GAP -36.59 AZP 90.95 TAL 167.22 TAP 224.66 RCA 38.77 APO 156.59 V2 34.813
 RC 63.861 GL -2.79 GP 2.59 ZAL 61.35 ZAP 23.34 ETS 188.26 ZAE 143.41 ETE 168.71 ZAC 136.88 ETC 26.33 CLP 23.20

PLANETOCENTRIC CONIC

C3 143.561 VML 11.982 CLA 3.92 RAL 163.70 RAD 6570.6 VEL 16.275 PTH 2.85 VMP 21.457 DPA 23.94 RAP 129.04 ECC 3.3627
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 53 59 2798.66 -28.18 81.73 60.37 92.86 7 40 37 2198.7 -27.49 73.13
 90.00 19 50 16 5199.39 26.12 233.21 56.48 78.65 21 16 55 4599.4 24.29 225.02
 100.00 8 17 9 2530.37 -29.73 61.90 60.27 93.28 8 59 20 1930.4 -28.96 53.18
 100.00 21 9 46 4942.91 27.63 214.00 56.13 78.11 22 32 9 4342.9 25.71 205.72
 110.00 9 29 36 2303.61 -33.92 44.35 59.94 94.47 10 8 0 1703.6 -32.93 35.25
 110.00 22 13 49 4742.44 31.73 197.72 55.07 76.57 23 32 51 4142.4 29.56 189.19

DIFFERENTIAL CORRECTIONS

TOE .7726 TRA-1.9222 TC3 -.1475 BAU .2867
 ROE -.8737 RRA -.4977 RC3 .0235 FAU .01348
 FDE -.4198 FRA .8112 FC3 -.0813 BSP 2942
 BDE 1.1663 BRA 1.9856 BC3 .1494 FSP -94

MID-COURSE EXECUTION ACCURACY

SGT 1053.7 SGR 484.4 SG3 41.4
 RRT .0892 RRF -.0856 RTF -.7203
 SGB 1159.7 R23 -.0043 R13 -.7206
 SG1 1054.8 SG2 481.9 TMA 2.97

ORBIT DETERMINATION ACCURACY

ST 461.5 SR 423.9 SS 430.5
 CRT -.6880 CRS -.7670 CST .9921
 LSA 714.5 MSA 259.4 SSA 15.2
 EL1 576.1 EL2 246.4 ALF 138.53

LAUNCH DATE MAY 6 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 29 1967

HELIOCENTRIC CONIC

DISTANCE 172.355

RL 150.91 LAL .00 LOL 224.79 VL 20.523 GAL 17.19 AZL 91.89 MCA 60.60 SMA 99.21 ECC .57889 INC 1.8902 V1 29.525
 RP 108.87 LAP -1.65 LOP 285.38 VP 33.172 GAP -34.99 AZP 90.93 TAL 166.50 TAP 227.10 RCA 41.78 APO 156.65 V2 34.807
 RC 61.839 GL -3.24 GP 2.69 ZAL 60.43 ZAP 21.95 ETS 188.85 ZAE 144.25 ETE 167.51 ZAC 135.24 ETC 25.53 CLP 21.80

PLANETOCENTRIC CONIC

C3 130.785 VML 11.436 CLA 3.14 RAL 164.39 RAD 6570.4 VEL 15.878 PTH 2.81 VMP 20.617 DPA 23.65 RAP 130.94 ECC 3.1524
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 2 31 2756.99 -28.01 78.69 59.30 94.37 7 48 28 2157.0 -27.10 70.14
 90.00 19 47 14 5205.98 26.20 233.67 56.21 78.86 21 14 0 4606.0 24.40 225.47
 100.00 8 25 20 2489.88 -29.53 58.91 59.16 94.84 9 6 50 1889.9 -28.55 50.24
 100.00 21 7 6 4948.32 27.71 214.38 55.87 78.30 22 29 35 4348.3 25.81 206.10
 110.00 9 36 57 2265.75 -33.68 41.42 58.69 96.19 10 14 42 1665.7 -32.46 32.40
 110.00 22 11 59 4745.22 31.78 197.93 54.83 76.68 23 31 4 4145.2 29.62 189.38

DIFFERENTIAL CORRECTIONS

TOE .7769 TRA-1.9273 TC3 -.1533 BAU .2722
 ROE -.8328 RRA -.4824 RC3 .0271 FAU .01372
 FDE -.4391 FRA .8371 FC3 -.0908 BSP 3123
 BDE 1.1389 BRA 1.9867 BC3 .1557 FSP -103

MID-COURSE EXECUTION ACCURACY

SGT 1099.8 SGR 486.3 SG3 44.7
 RRT .0934 RRF -.0904 RTF -.7358
 SGB 1202.5 R23 -.0053 R13 -.7361
 SG1 1101.0 SG2 483.7 TMA 2.93

ORBIT DETERMINATION ACCURACY

ST 485.5 SR 423.5 SS 451.7
 CRT -.6874 CRS -.7693 CST .9917
 LSA 741.6 MSA 262.5 SSA 15.4
 EL1 593.0 EL2 251.9 ALF 140.64

LAUNCH DATE MAY 6 1967

FLIGHT TIME 86.00

ARRIVAL DATE JUL 31 1967

HELIOCENTRIC CONIC

RL 150.91 LAL .00 LOL 224.79 VL 21.008 GAL 16.45 AZL 92.02 MCA 63.76 SMA 100.73 ECC .55540 INC 2.0158 V1 29.525
 RP 108.89 LAP -1.81 LOP 288.55 VP 33.468 GAP -33.45 AZP 90.89 TAL 165.79 TAP 229.56 RCA 44.78 APO 156.68 V2 34.802
 RC 59.876 GL -3.72 GP 2.80 ZAL 59.57 ZAP 20.58 ETS 189.54 ZAE 145.19 ETE 166.16 ZAC 133.57 ETC 24.78 CLP 20.40

PLANETOCENTRIC CONIC

C3 119.178 VML 10.917 CLA 2.36 RAL 165.02 RAD 6570.2 VEL 15.509 PTH 2.77 VMP 19.806 CPA 23.34 RAP 132.84 ECC 2.9614
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 10 51 2714.48 -27.75 75.61 58.12 95.90 7 56 5 2114.5 -26.64 67.12
 90.00 19 43 55 5212.04 26.28 234.10 55.83 79.06 21 10 47 4612.0 24.51 225.88
 100.00 8 33 17 2448.56 -29.26 55.87 57.94 96.42 9 14 6 1848.6 -28.06 47.27
 100.00 21 4 9 4953.19 27.77 214.73 55.50 78.47 22 26 42 4353.2 25.90 206.43
 110.00 9 44 3 2227.05 -33.36 38.45 57.33 97.93 10 21 10 1627.0 -31.91 29.52
 110.00 22 9 52 4747.46 31.81 198.10 54.48 76.78 23 29 0 4147.5 29.67 189.54

DIFFERENTIAL CORRECTIONS

TDE .7815 TRA-1.9308 TC3 -.1584 BAU .2573
 RDE -.7924 RRA -.4668 RC3 .0312 FAU .01400
 FDE -.4593 FRA .8634 FC3 -.1017 BSP 3322
 BDE 1.1130 BRA 1.9864 BC3 .1615 FSP -113

MID-COURSE EXECUTION ACCURACY

SGT 1147.4 SGR 487.6 SG3 48.3
 RRT .0975 RRF -.0956 RTF -.7508
 SGB 1246.7 R23 -.0064 R13 -.7512
 SGI 1148.6 SG2 484.8 TMA 2.89

ORBIT DETERMINATION ACCURACY

ST 510.8 SR 422.4 SS 473.8
 CRT -.6871 CRS -.7716 CST .9913
 LSA 770.3 MSA 264.9 SSA 15.5
 EL1 611.2 EL2 256.5 ALF 142.78

LAUNCH DATE MAY 6 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 2 1967

HELIOCENTRIC CONIC

RL 150.91 LAL .00 LOL 224.79 VL 21.462 GAL 15.75 AZL 92.13 MCA 66.93 SMA 102.23 ECC .53266 INC 2.1346 V1 29.525
 RP 108.90 LAP -1.96 LOP 291.71 VP 33.751 GAP -31.99 AZP 90.84 TAL 165.12 TAP 232.04 RCA 47.78 APO 156.68 V2 34.797
 RC 57.979 GL -4.23 GP 2.91 ZAL 58.77 ZAP 19.23 ETS 190.36 ZAE 146.23 ETE 164.65 ZAC 131.88 ETC 24.08 CLP 19.01

PLANETOCENTRIC CONIC

C3 108.635 VML 10.423 CLA 1.57 RAL 165.58 RAD 6570.1 VEL 15.165 PTH 2.72 VMP 19.020 CPA 23.02 RAP 134.74 ECC 2.7879
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 18 57 2671.10 -27.40 72.48 56.85 97.43 8 3 28 2071.1 -26.09 64.06
 90.00 19 40 18 5217.67 26.35 234.50 55.34 79.25 21 7 15 4617.7 24.60 226.26
 100.00 8 41 2 2406.37 -28.90 52.78 56.62 98.01 9 21 8 1806.4 -27.49 44.26
 100.00 21 0 54 4957.64 27.83 215.05 55.02 78.63 22 23 32 4357.6 25.98 206.74
 110.00 9 50 57 2187.51 -32.95 35.43 55.88 99.66 10 27 25 1587.5 -31.26 26.62
 110.00 22 7 28 4749.26 31.84 198.23 54.02 76.85 23 26 37 4149.3 29.70 189.67

DIFFERENTIAL CORRECTIONS

TDE .7834 TRA-1.9356 TC3 -.1638 BAU .2434
 RDE -.7527 RRA -.4510 RC3 .0357 FAU .01429
 FDE -.4801 FRA .8907 FC3 -.1139 BSP 3465
 BDE 1.0864 BRA 1.9874 BC3 .1676 FSP -124

MID-COURSE EXECUTION ACCURACY

SGT 1197.9 SGR 488.1 SG3 52.3
 RRT .1033 RRF -.1015 RTF -.7646
 SGB 1293.5 R23 -.0071 R13 -.7649
 SGI 1199.2 SG2 485.0 TMA 2.88

ORBIT DETERMINATION ACCURACY

ST 536.2 SR 420.4 SS 496.5
 CRT -.6851 CRS -.7734 CST .9907
 LSA 799.5 MSA 267.1 SSA 15.7
 EL1 629.5 EL2 260.9 ALF 144.86

LAUNCH DATE MAY 6 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 4 1967

HELIOCENTRIC CONIC

RL 150.91 LAL .00 LOL 224.79 VL 21.888 GAL 15.07 AZL 92.25 MCA 70.09 SMA 103.70 ECC .51068 INC 2.2480 V1 29.525
 RP 108.92 LAP -2.11 LOP 294.87 VP 34.019 GAP -30.59 AZP 90.77 TAL 164.47 TAP 234.55 RCA 50.74 APO 156.67 V2 34.793
 RC 56.154 GL -4.78 GP 3.03 ZAL 58.03 ZAP 17.89 ETS 191.35 ZAE 147.38 ETE 162.93 ZAC 130.18 ETC 23.42 CLP 17.63

PLANETOCENTRIC CONIC

C3 99.055 VML 9.953 CLA .77 RAL 166.08 RAD 6569.9 VEL 14.846 PTH 2.68 VMP 18.259 CPA 22.69 RAP 136.65 ECC 2.6302
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 26 52 2626.85 -26.97 69.31 55.48 98.96 8 10 39 2026.8 -25.46 60.97
 90.00 19 36 21 5222.98 26.42 234.87 54.75 79.42 21 3 24 4623.0 24.69 226.63
 100.00 8 48 34 2363.3 -28.45 49.66 55.21 99.59 9 27 57 1763.3 -26.83 41.23
 100.00 20 57 20 4961.75 27.89 215.34 54.44 78.77 22 20 2 4361.8 26.05 207.02
 110.00 9 57 38 2147.12 -32.45 32.39 54.35 101.40 10 33 25 1547.1 -30.54 23.69
 110.00 22 4 45 4750.71 31.86 198.34 53.45 76.91 23 23 56 4150.7 29.73 189.77

DIFFERENTIAL CORRECTIONS

TDE .7871 TRA-1.9370 TC3 -.1676 BAU .2285
 RDE -.7136 RRA -.4351 RC3 .0408 FAU .01462
 FDE -.5023 FRA .9185 FC3 -.1278 BSP 3658
 BDE 1.0624 BRA 1.9852 BC3 .1725 FSP -136

MID-COURSE EXECUTION ACCURACY

SGT 1249.1 SGR 488.0 SG3 56.5
 RRT .1085 RRF -.1076 RTF -.7781
 SGB 1341.1 R23 -.0083 R13 -.7784
 SGI 1250.4 SG2 484.6 TMA 2.86

ORBIT DETERMINATION ACCURACY

ST 563.4 SR 417.6 SS 520.5
 CRT -.6845 CRS -.7755 CST .9902
 LSA 830.9 MSA 268.4 SSA 15.8
 EL1 649.7 EL2 264.0 ALF 146.97

LAUNCH DATE MAY 6 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 6 1967

HELIOCENTRIC CONIC

RL 150.91 LAL .00 LOL 224.79 VL 22.288 GAL 14.42 AZL 92.36 MCA 73.25 SMA 105.15 ECC .48949 INC 2.3569 V1 29.525
 RP 108.93 LAP -2.26 LOP 298.03 VP 34.274 GAP -29.24 AZP 90.68 TAL 163.84 TAP 237.09 RCA 53.68 APO 156.63 V2 34.790
 RC 54.407 GL -5.36 GP 3.17 ZAL 57.35 ZAP 16.56 ETS 192.55 ZAE 148.63 ETE 160.98 ZAC 128.47 ETC 22.81 CLP 16.26

PLANETOCENTRIC CONIC

C3 90.354 VML 9.505 CLA -.04 RAL 166.51 RAD 6569.8 VEL 14.550 PTH 2.64 VMP 17.523 CPA 22.35 RAP 138.55 ECC 2.4870
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 34 36 2381.70 -26.45 66.11 54.02 100.49 8 17 38 1981.7 -24.74 57.86
 90.00 19 32 4 5228.09 26.48 235.23 54.06 79.59 20 59 12 4628.1 24.78 226.98
 100.00 8 55 55 2319.37 -27.91 46.51 53.71 101.17 9 34 35 1719.4 -26.08 38.18
 100.00 20 53 26 4965.65 27.94 215.62 53.75 78.91 22 16 11 4365.6 26.12 207.29
 110.00 10 4 8 2105.88 -31.85 29.32 52.73 103.12 10 39 14 1505.9 -29.72 20.76
 110.00 22 1 43 4751.90 31.88 198.42 52.78 76.96 23 20 55 4151.9 29.76 189.86

DIFFERENTIAL CORRECTIONS

TDE .7910 TRA-1.9366 TC3 -.1703 BAU .2133
 RDE -.6750 RRA -.4192 RC3 .0465 FAU .01500
 FDE -.5258 FRA .9470 FC3 -.1437 BSP 3865
 BDE 1.0399 BRA 1.9815 BC3 .1766 FSP -149

MID-COURSE EXECUTION ACCURACY

SGT 1301.9 SGR 487.0 SG3 61.1
 RRT .1141 RRF -.1143 RTF -.7912
 SGB 1390.0 R23 -.0097 R13 -.7915
 SGI 1303.2 SG2 483.3 TMA 2.83

ORBIT DETERMINATION ACCURACY

ST 591.7 SR 413.9 SS 545.6
 CRT -.6839 CRS -.7775 CST .9897
 LSA 863.9 MSA 269.0 SSA 16.0
 EL1 671.2 EL2 266.2 ALF 149.04

LAUNCH DATE MAY 6 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 8 1967

HELIOCENTRIC CONIC

DISTANCE 204.103

RL 150.91 LAL .00 LOL 224.79 VL 22.662 GAL 13.79 AZL 92.46 MCA 76.41 SMA 106.57 ECC .46910 INC 2.4622 V1 29.525
 RP 108.93 LAP -2.39 LOP 301.19 VP 34.516 GAP -27.95 ATP 90.58 TAL 163.25 TAP 239.66 RCA 56.58 APO 156.57 V2 34.787
 RC 52.748 GL -5.98 GP 3.32 ZAL 56.73 ZAP 15.25 ETS 194.00 ZAE 149.97 ETE 158.73 ZAC 126.74 ETC 22.24 CLP 14.89

PLANETOCENTRIC CONIC

C3 82.453 VML 9.080 CLA -.86 RAL 166.88 RAD 6569.6 VEL 14.276 PTH 2.60 VMP 16.810 OPA 22.00 RAP 140.45 ECC 2.3570
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 42 10 2535.64 -25.84 62.88 52.50 102.00 8 24 25 1935.6 -23.93 54.73
 90.00 19 27 25 5233.14 26.55 235.59 53.27 79.76 20 54 38 4633.1 24.86 227.32
 100.00 9 3 6 2274.55 -27.28 43.32 52.14 102.73 9 41 1 1674.5 -25.25 35.11
 100.00 20 49 9 4969.47 27.99 215.89 52.97 79.05 22 11 59 4369.5 26.19 207.55
 110.00 10 10 26 2063.80 -31.16 26.24 51.05 104.83 10 44 50 1463.8 -28.81 17.82
 110.00 21 58 19 4752.98 31.90 198.50 52.01 77.00 23 17 32 4153.0 29.78 189.93

DIFFERENTIAL CORRECTIONS

TDE .7948 TRA-1.9347 TC3 -.1718 BAU .1981
 RDE -.6371 RRA -.4033 RC3 .0528 FAU .01541
 FDE -.5508 FRA .9764 FC3 -.1618 BSP 4076
 BOE 1.0186 BRA 1.9763 BC3 .1798 FSP -163

MID-COURSE EXECUTION ACCURACY

SGT 1358.3 SGR 485.4 SG3 66.2
 RRT .1203 RRF -.1218 RTF -.8036
 SGB 1440.5 R23 -.0112 R13 -.8039
 SGI 1357.7 SG2 481.3 TMA 2.82

ORBIT DETERMINATION ACCURACY

ST 621.1 SR 409.2 SS 571.9
 CRT -.6833 CRS -.7794 CST .9892
 LSA 898.7 MSA 268.9 SSA 16.1
 EL1 694.1 EL2 267.3 ALF 151.08

LAUNCH DATE MAY 6 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 10 1967

HELIOCENTRIC CONIC

DISTANCE 210.607

RL 150.91 LAL .00 LOL 224.79 VL 23.012 GAL 13.19 AZL 92.56 MCA 79.57 SMA 107.96 ECC .44952 INC 2.5648 V1 29.525
 RP 108.94 LAP -2.52 LOP 304.35 VP 34.745 GAP -26.71 ATP 90.46 TAL 162.69 TAP 242.26 RCA 59.43 APO 156.49 V2 34.786
 RC 51.183 GL -6.64 GP 3.48 ZAL 56.18 ZAP 13.96 ETS 195.80 ZAE 151.40 ETE 156.12 ZAC 125.00 ETC 21.70 CLP 13.53

PLANETOCENTRIC CONIC

C3 75.283 VML 8.877 CLA -1.70 RAL 167.18 RAD 6569.5 VEL 14.023 PTH 2.56 VMP 16.120 OPA 21.65 RAP 142.35 ECC 2.2390
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 49 35 2488.68 -25.14 59.62 50.90 103.48 8 31 3 1888.7 -23.03 51.58
 90.00 19 22 21 5238.29 26.61 235.95 52.39 79.93 20 49 40 4638.3 24.95 227.68
 100.00 9 10 8 2228.84 -26.55 40.12 50.51 104.26 9 47 16 1628.8 -24.33 32.03
 100.00 20 44 30 4973.36 28.04 216.17 52.09 79.19 22 7 23 4373.4 26.26 207.82
 110.00 10 16 33 2020.91 -30.37 23.14 49.32 106.50 10 50 14 1420.9 -27.81 14.89
 110.00 21 54 33 4754.06 31.91 198.58 51.15 77.05 23 13 47 4154.1 29.80 190.01

DIFFERENTIAL CORRECTIONS

TDE .7988 TRA-1.9309 TC3 -.1718 BAU .1831
 RDE -.5999 RRA -.3876 RC3 .0598 FAU .01587
 FDE -.5775 FRA 1.0067 FC3 -.1824 BSP 4295
 BOE .9990 BRA 1.9694 BC3 .1819 FSP -179

MID-COURSE EXECUTION ACCURACY

SGT 1412.2 SGR 483.0 SG3 71.7
 RRT .1272 RRF -.1301 RTF -.8154
 SGB 1492.5 R23 -.0130 R13 -.8158
 SGI 1413.7 SG2 478.5 TMA 2.81

ORBIT DETERMINATION ACCURACY

ST 651.8 SR 403.5 SS 599.6
 CRT -.6828 CRS -.7812 CST .9888
 LSA 935.4 MSA 268.1 SSA 16.2
 EL1 718.4 EL2 267.4 ALF 153.05

LAUNCH DATE MAY 6 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 217.152

RL 150.91 LAL .00 LOL 224.79 VL 23.340 GAL 12.61 AZL 92.67 MCA 82.73 SMA 109.31 ECC .43076 INC 2.6652 V1 29.525
 RP 108.94 LAP -2.64 LOP 307.52 VP 34.962 GAP -25.51 ATP 90.34 TAL 162.16 TAP 244.89 RCA 62.23 APO 156.40 V2 34.784
 RC 49.723 GL -7.34 GP 3.66 ZAL 55.70 ZAP 12.69 ETS 198.05 ZAE 152.90 ETE 153.08 ZAC 123.26 ETC 21.19 CLP 12.16

PLANETOCENTRIC CONIC

C3 68.781 VML 8.293 CLA -2.56 RAL 167.40 RAD 6569.3 VEL 13.789 PTH 2.52 VMP 15.452 OPA 21.29 RAP 144.25 ECC 2.1320
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 56 52 2440.81 -24.34 56.34 49.25 104.94 8 37 32 1840.8 -22.05 48.41
 90.00 19 16 53 5243.72 26.67 236.34 51.42 80.12 20 44 17 4643.7 25.03 228.05
 100.00 9 17 0 2182.26 -25.73 36.91 48.82 105.77 9 53 23 1582.3 -23.32 28.94
 100.00 20 39 25 4977.49 28.09 216.47 51.13 79.33 22 2 23 4377.5 26.33 208.11
 110.00 10 22 31 1977.20 -29.48 20.05 47.53 108.14 10 55 28 1377.2 -26.72 11.95
 110.00 21 50 24 4755.32 31.93 198.68 50.21 77.10 23 9 39 4155.3 29.83 190.10

DIFFERENTIAL CORRECTIONS

TDE .8002 TRA-1.9280 TC3 -.1716 BAU .1696
 RDE -.5633 RRA -.3722 RC3 .0675 FAU .01635
 FDE -.6056 FRA 1.0385 FC3 -.2058 BSP 4449
 BOE .9786 BRA 1.9636 BC3 .1844 FSP -195

MID-COURSE EXECUTION ACCURACY

SGT 1471.2 SGR 479.9 SG3 77.6
 RRT .1363 RRF -.1398 RTF -.8259
 SGB 1547.5 R23 -.0143 R13 -.8262
 SGI 1472.8 SG2 474.9 TMA 2.84

ORBIT DETERMINATION ACCURACY

ST 682.4 SR 396.8 SS 628.4
 CRT -.6806 CRS -.7825 CST .9881
 LSA 972.9 MSA 267.2 SSA 16.4
 EL1 742.8 EL2 267.1 ALF 154.95

LAUNCH DATE MAY 6 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 223.733

RL 150.91 LAL .00 LOL 224.79 VL 23.647 GAL 12.05 AZL 92.76 MCA 85.89 SMA 110.63 ECC .41280 INC 2.7642 V1 29.525
 RP 108.94 LAP -2.76 LOP 310.68 VP 35.167 GAP -24.37 ATP 90.20 TAL 161.67 TAP 247.56 RCA 64.96 APO 156.30 V2 34.784
 RC 48.377 GL -8.08 GP 3.86 ZAL 55.28 ZAP 11.45 ETS 200.89 ZAE 154.45 ETE 149.90 ZAC 121.51 ETC 20.72 CLP 10.79

PLANETOCENTRIC CONIC

C3 62.887 VML 7.930 CLA -3.44 RAL 167.56 RAD 6569.2 VEL 13.574 PTH 2.48 VMP 14.805 OPA 20.94 RAP 146.14 ECC 2.0350
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 4 2 2392.02 -23.44 53.04 47.54 106.36 8 43 54 1792.0 -20.98 45.24
 90.00 19 10 57 5249.59 26.74 236.75 50.38 80.32 20 38 26 4649.6 25.13 228.45
 100.00 9 23 46 2134.81 -24.81 33.68 47.09 107.23 9 59 21 1534.8 -22.22 25.84
 100.00 20 33 54 4982.04 28.15 216.79 50.10 79.50 21 56 56 4382.0 26.41 208.42
 110.00 10 28 19 1932.72 -28.50 16.96 45.71 109.73 11 0 32 1332.7 -25.55 9.03
 110.00 21 45 50 4756.90 31.96 198.79 49.19 77.16 23 5 7 4156.9 29.86 190.21

DIFFERENTIAL CORRECTIONS

TDE .8044 TRA-1.9206 TC3 -.1879 BAU .1550
 RDE -.5274 RRA -.3572 RC3 .0761 FAU .01690
 FDE -.6364 FRA 1.0712 FC3 -.2327 BSP 4668
 BOE .9619 BRA 1.9536 BC3 .1843 FSP -214

MID-COURSE EXECUTION ACCURACY

SGT 1530.1 SGR 476.1 SG3 84.2
 RRT .1452 RRF -.1505 RTF -.8366
 SGB 1602.5 R23 -.0164 R13 -.8369
 SGI 1531.9 SG2 470.5 TMA 2.86

ORBIT DETERMINATION ACCURACY

ST 715.4 SR 388.9 SS 659.3
 CRT -.6799 CRS -.7839 CST .9876
 LSA 1013.5 MSA 265.0 SSA 16.5
 EL1 770.0 EL2 265.0 ALF 156.81

LAUNCH DATE MAY 6 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

RL 150.91 LAL .00 LOL 224.79 VL 23.934 GAL 11.52 AZL 92.86 MCA 89.05 SMA 111.90 ECC .39565 INC 2.8625 V1 29.525
 RP 108.94 LAP -2.86 LOP 313.84 VP 35.361 GAP -23.26 A7P 90.05 TAL 161.21 TAP 230.26 RCA 67.63 APO 156.18 V2 34.784
 RC 47.155 GL -8.88 GP 4.08 ZAL 54.94 ZAP 10.25 ETS 204.56 ZAE 156.01 ETE 145.27 ZAC 119.76 ETC 20.28 CLP 9.41

PLANETOCENTRIC CONIC

C3 57.551 VML 7.586 CLA -4.34 RAL 167.64 RAD 6569.0 VEL 13.376 PTM 2.44 VMP 14.179 DPA 20.58 RAP 148.02 ECC 1.9471
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 11 6 2342.33 -22.45 49.74 45.81 107.73 8 50 9 1742.3 -19.82 42.06
 90.00 19 4 31 5256.13 26.81 237.22 49.26 80.54 20 32 7 4656.1 25.23 228.91
 100.00 9 30 25 2086.50 -23.80 30.45 45.33 108.64 10 5 11 1486.5 -21.03 22.74
 100.00 20 27 54 4987.19 28.21 217.16 48.98 79.68 21 51 1 4387.2 26.50 208.78
 110.00 10 33 59 1887.48 -27.42 13.88 43.87 111.26 11 5 26 1287.5 -24.28 6.12
 110.00 21 40 49 4758.99 31.99 198.95 48.09 77.25 23 0 8 4159.0 29.90 190.56

DIFFERENTIAL CORRECTIONS

TOE .8090 TRA-1.9116 TC3 -.1620 BAU .1409
 RDE -.4922 RRA -.3427 RC3 .0855 FAU .01751
 FDE -.6699 FRA 1.1052 FC3 -.2634 BSP 4890
 BDE .9469 BRA 1.9421 BC3 .1832 FSP -235

MID-COURSE EXECUTION ACCURACY

SGT 1590.7 SGR 471.6 SG3 91.3
 RRT .1557 RRF -.1627 RTF -.8466
 SGB 1659.1 R23 -.0188 R13 -.8470
 SGI 1592.5 SG2 465.3 TMA 2.89

ORBIT DETERMINATION ACCURACY

ST 749.7 SR 379.8 SS 692.1
 CRT -.6789 CRS -.7851 CST .9872
 LSA 1056.5 MSA 262.2 SSA 16.6
 EL1 798.6 EL2 261.8 ALF 158.61

ARRIVAL DATE AUG 18 1967

LAUNCH DATE MAY 6 1967

FLIGHT TIME 104.00

HELIOCENTRIC CONIC

RL 150.91 LAL .00 LOL 224.79 VL 24.203 GAL 11.00 AZL 92.96 MCA 92.21 SMA 113.13 ECC .37930 INC 2.9606 V1 29.525
 RP 108.94 LAP -2.96 LOP 317.01 VP 35.945 GAP -22.19 A7P 89.89 TAL 160.79 TAP 253.00 RCA 70.22 APO 156.05 V2 34.785
 RC 46.068 GL -9.73 GP 4.32 ZAL 54.67 ZAP 9.11 ETS 209.34 ZAE 157.53 ETE 140.24 ZAC 118.00 ETC 19.86 CLP 8.03

PLANETOCENTRIC CONIC

C3 52.725 VML 7.261 CLA -5.27 RAL 167.64 RAD 6568.9 VEL 13.194 PTM 2.41 VMP 13.573 DPA 20.24 RAP 149.89 ECC 1.8677
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 18 7 2291.73 -21.36 46.43 44.04 109.04 8 56 19 1691.7 -18.57 38.87
 90.00 18 57 34 5263.55 26.90 237.74 48.07 80.79 20 25 17 4663.6 25.35 229.42
 100.00 9 36 58 2037.34 -22.69 27.22 43.53 110.00 10 10 56 1437.3 -19.76 19.65
 100.00 20 21 23 4993.17 28.28 217.59 47.81 79.90 21 44 36 4393.2 26.60 209.20
 110.00 10 39 31 1841.51 -26.25 10.82 42.00 112.73 11 10 13 1241.5 -22.94 3.23
 110.00 21 35 19 4761.77 32.03 199.15 46.93 77.37 22 54 41 4161.8 29.96 190.55

DIFFERENTIAL CORRECTIONS

TOE .8138 TRA-1.9006 TC3 -.1535 BAU .1276
 RDE -.4576 RRA -.3287 RC3 .0959 FAU .01818
 FDE -.7062 FRA 1.1408 FC3 -.2985 BSP 5111
 BDE .9336 BRA 1.9288 BC3 .1810 FSP -257

MID-COURSE EXECUTION ACCURACY

SGT 1652.3 SGR 466.5 SG3 99.1
 RRT .1679 RRF -.1768 RTF -.8561
 SGB 1716.9 R23 -.0214 R13 -.8565
 SGI 1654.3 SG2 459.3 TMA 2.94

ORBIT DETERMINATION ACCURACY

ST 785.2 SR 369.4 SS 726.9
 CRT -.6777 CRS -.7858 CST .9868
 LSA 1101.9 MSA 258.8 SSA 16.6
 EL1 828.7 EL2 257.4 ALF 160.34

ARRIVAL DATE AUG 20 1967

LAUNCH DATE MAY 6 1967

FLIGHT TIME 106.00

HELIOCENTRIC CONIC

RL 150.91 LAL .00 LOL 224.79 VL 24.453 GAL 10.51 AZL 93.06 MCA 95.37 SMA 114.32 ECC .36373 INC 3.0591 V1 29.525
 RP 108.93 LAP -3.05 LOP 320.17 VP 35.717 GAP -21.17 A7P 89.71 TAL 160.41 TAP 255.78 RCA 72.74 APO 155.91 V2 34.787
 RC 45.125 GL -10.63 GP 4.58 ZAL 54.48 ZAP 8.06 ETS 215.65 ZAE 158.96 ETE 134.28 ZAC 116.24 ETC 19.47 CLP 6.63

PLANETOCENTRIC CONIC

C3 48.366 VML 6.955 CLA -6.22 RAL 167.57 RAD 6568.8 VEL 13.028 PTM 2.38 VMP 12.987 DPA 19.91 RAP 151.76 ECC 1.7960
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 25 5 2240.22 -20.18 43.11 42.26 110.29 9 2 25 1640.2 -17.24 35.67
 90.00 18 50 2 5272.09 26.99 238.35 46.83 81.08 20 17 54 4672.1 25.48 230.01
 100.00 9 43 29 1987.34 -21.49 23.99 41.73 111.29 10 16 36 1387.3 -18.40 16.55
 100.00 20 14 19 5000.20 28.37 218.10 46.57 80.15 21 37 40 4400.2 26.71 209.69
 110.00 10 44 58 1794.84 -24.99 7.79 40.13 114.12 11 14 52 1194.8 -21.51 .36
 110.00 21 29 20 4765.47 32.08 199.43 45.72 77.52 22 48 45 4165.5 30.03 190.82

DIFFERENTIAL CORRECTIONS

TOE .8196 TRA-1.8873 TC3 -.1420 BAU .1150
 RDE -.4236 RRA -.3154 RC3 .1072 FAU .01892
 FDE -.7460 FRA 1.1779 FC3 -.3387 BSP 5339
 BDE .9226 BRA 1.9134 BC3 .1779 FSP -282

MID-COURSE EXECUTION ACCURACY

SGT 1715.0 SGR 460.8 SG3 107.7
 RRT .1819 RRF -.1932 RTF -.8651
 SGB 1775.8 R23 -.0245 R13 -.8656
 SGI 1717.2 SG2 452.5 TMA 3.01

ORBIT DETERMINATION ACCURACY

ST 822.3 SR 357.7 SS 764.1
 CRT -.6761 CRS -.7860 CST .9864
 LSA 1150.1 MSA 254.6 SSA 16.7
 EL1 860.7 EL2 251.8 ALF 162.02

ARRIVAL DATE AUG 22 1967

LAUNCH DATE MAY 6 1967

FLIGHT TIME 108.00

HELIOCENTRIC CONIC

RL 150.91 LAL .00 LOL 224.79 VL 24.687 GAL 10.04 AZL 93.16 MCA 98.53 SMA 115.47 ECC .34895 INC 3.1586 V1 29.525
 RP 108.93 LAP -3.12 LOP 323.34 VP 35.881 GAP -20.17 A7P 89.53 TAL 160.06 TAP 258.59 RCA 75.18 APO 155.76 V2 34.790
 RC 44.335 GL -11.59 GP 4.88 ZAL 54.36 ZAP 7.14 ETS 223.98 ZAE 160.21 ETE 127.28 ZAC 114.49 ETC 19.10 CLP 5.22

PLANETOCENTRIC CONIC

C3 44.435 VML 6.666 CLA -7.20 RAL 167.43 RAD 6568.7 VEL 12.876 PTM 2.35 VMP 12.420 DPA 19.59 RAP 153.61 ECC 1.7313
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 32 3 2187.78 -18.91 39.79 40.46 111.48 9 8 31 1587.8 -15.83 32.47
 90.00 18 41 53 5282.00 27.09 239.06 45.53 81.42 20 9 55 4682.0 25.62 230.70
 100.00 9 49 57 1936.49 -20.20 20.76 39.91 112.52 10 22 13 1336.5 -16.97 13.46
 100.00 20 6 40 5008.52 28.46 218.70 45.29 80.45 21 30 9 4408.5 26.85 210.27
 110.00 10 50 19 1747.49 -23.63 4.77 38.26 115.45 11 19 26 1147.5 -20.01 357.50
 110.00 21 22 48 4770.28 32.16 199.79 44.46 77.72 22 42 18 4170.3 30.13 191.16

DIFFERENTIAL CORRECTIONS

TOE .8261 TRA-1.8719 TC3 -.1268 BAU .1035
 RDE -.3901 RRA -.3029 RC3 .1196 FAU .01975
 FDE -.7898 FRA 1.2170 FC3 -.3847 BSP 5571
 BDE .9135 BRA 1.8962 BC3 .1743 FSP -310

MID-COURSE EXECUTION ACCURACY

SGT 1778.4 SGR 454.6 SG3 117.1
 RRT .1987 RRF -.2125 RTF -.8737
 SGB 1835.6 R23 -.0278 R13 -.8742
 SGI 1780.9 SG2 445.0 TMA 3.10

ORBIT DETERMINATION ACCURACY

ST 860.8 SR 344.4 SS 803.9
 CRT -.6739 CRS -.7854 CST .9861
 LSA 1201.2 MSA 249.9 SSA 16.7
 EL1 894.2 EL2 245.0 ALF 163.65

LAUNCH DATE MAY 6 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 257.030

RL 150.91 LAL .00 LOL 224.79 VL 24.906 GAL 9.59 AZL 93.26 MCA 101.69 SMA 116.57 ECC .33492 INC 3.2599 V1 29.525
 RP 108.92 LAP -3.19 LOP 326.50 VP 36.034 GAP -19.22 AZP 89.34 TAL 159.76 TAP 261.45 RCA 77.53 APO 155.61 V2 34.793
 RC 43.707 GL -12.61 GP 5.21 ZAL 54.32 ZAP 6.44 ETS 234.77 ZAE 161.20 ETE 119.23 ZAC 112.74 ETC 18.75 CLP 3.80

PLANETOCENTRIC CONIC

C3 40.896 VHL 6.395 CLA -8.22 RAL 167.20 RAD 6568.6 VEL 12.738 PTH 2.32 VMP 11.872 CPA 19.730 RAP 155.45 ECC 1.6730
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 39 3 2134.39 -17.55 36.47 112.59 9 14 37 1534.4 -14.33 29.26
 90.00 18 33 4 5293.56 27.20 239.89 44.20 81.82 20 1 18 4693.6 25.79 231.50
 100.00 9 56 25 1884.80 -18.82 17.54 38.10 113.66 10 27 50 1284.8 -15.46 10.36
 100.00 19 58 23 5018.39 28.57 219.41 43.96 80.81 21 22 1 4418.4 27.01 210.96
 110.00 10 55 36 1699.50 -22.20 1.79 36.40 116.69 11 23 55 1099.5 -18.44 354.67
 110.00 21 15 42 4776.45 32.24 200.25 43.17 77.98 22 35 18 4176.4 30.25 191.60

DIFFERENTIAL CORRECTIONS

TOE .8336 TRA-1.8546 TC3 -.1084 BAU .0938
 RDE -.3570 RRA -.2914 RC3 .1331 FAU .02065
 FDE -.8384 FRA 1.2580 FC3 -.4371 BSP 5799
 BDE .9068 BRA 1.8774 BC3 .1716 FSP -341

MID-COURSE EXECUTION ACCURACY

SGT 1842.7 SGR 448.2 SG3 127.4
 RRT .2184 RRF -.2350 RTF -.8817
 SGB 1896.4 R23 -.0318 R13 -.8822
 SGI 1845.5 SG2 436.7 TMA 3.22

ORBIT DETERMINATION ACCURACY

ST 900.8 SR 329.5 SS 846.6
 CRT -.6705 CRS -.7836 CST .9859
 LSA 1255.7 MSA 244.7 SSA 16.8
 EL1 929.5 EL2 236.9 ALF 165.24

LAUNCH DATE MAY 6 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 263.743

RL 150.91 LAL .00 LOL 224.79 VL 25.109 GAL 9.16 AZL 93.36 MCA 104.85 SMA 117.62 ECC .32164 INC 3.3635 V1 29.525
 RP 108.90 LAP -3.25 LOP 329.67 VP 36.179 GAP -18.29 AZP 89.14 TAL 159.49 TAP 264.34 RCA 79.79 APO 155.45 V2 34.797
 RC 43.245 GL -13.70 GP 5.58 ZAL 54.37 ZAP 6.05 ETS 247.94 ZAE 161.81 ETE 110.30 ZAC 111.00 ETC 18.43 CLP 2.35

PLANETOCENTRIC CONIC

C3 37.718 VHL 6.141 CLA -9.27 RAL 166.89 RAD 6568.5 VEL 12.613 PTH 2.29 VMP 11.342 CPA 19.04 RAP 157.28 ECC 1.6207
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 46 7 2080.02 -16.09 33.14 113.62 9 20 47 1480.0 -12.76 26.04
 90.00 18 32 32 5307.06 27.33 240.85 42.83 82.29 19 51 59 4707.1 25.98 232.45
 100.00 10 2 56 1832.23 -17.35 14.33 36.30 114.73 10 33 28 1232.2 -13.87 7.27
 100.00 19 49 24 5030.08 28.69 220.26 42.61 81.24 21 13 14 4430.1 27.19 211.78
 110.00 11 0 51 1650.87 -20.68 358.83 34.56 117.84 11 28 22 1050.9 -16.79 351.86
 110.00 21 7 59 4784.20 32.35 200.82 41.84 78.31 22 27 43 4184.2 30.40 192.15

DIFFERENTIAL CORRECTIONS

TOE .8420 TRA-1.8355 TC3 -.0862 BAU .0863
 RDE -.3242 RRA -.2809 RC3 .1478 FAU .02164
 FDE -.8923 FRA 1.3015 FC3 -.4967 BSP 6026
 BDE .9023 BRA 1.8569 BC3 .1711 FSP -374

MID-COURSE EXECUTION ACCURACY

SGT 1907.5 SGR 441.5 SG3 138.7
 RRT .2421 RRF -.2618 RTF -.8892
 SGB 1958.0 R23 -.0362 R13 -.8898
 SGI 1910.7 SG2 427.7 TMA 3.38

ORBIT DETERMINATION ACCURACY

ST 942.4 SR 312.9 SS 892.6
 CRT -.6654 CRS -.7802 CST .9857
 LSA 1313.5 MSA 239.0 SSA 16.8
 EL1 966.5 EL2 227.7 ALF 166.80

LAUNCH DATE MAY 6 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 270.465

RL 150.91 LAL .00 LOL 224.79 VL 25.239 GAL 8.75 AZL 93.47 MCA 108.01 SMA 118.62 ECC .30909 INC 3.4701 V1 29.525
 RP 108.89 LAP -3.30 LOP 332.84 VP 36.315 GAP -17.40 AZP 88.93 TAL 159.26 TAP 267.27 RCA 81.96 APO 155.29 V2 34.801
 RC 42.936 GL -14.85 GP 5.99 ZAL 54.50 ZAP 6.06 ETS 262.36 ZAE 161.99 ETE 100.87 ZAC 109.27 ETC 18.12 CLP .88

PLANETOCENTRIC CONIC

C3 34.870 VHL 5.905 CLA -10.36 RAL 166.50 RAD 6568.4 VEL 12.500 PTH 2.26 VMP 10.831 CPA 18.82 RAP 159.10 ECC 1.5739
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 53 19 2024.59 -14.55 29.80 35.12 114.56 9 27 4 1424.6 -11.12 22.80
 90.00 18 13 12 5322.82 27.47 241.99 41.44 82.84 19 41 55 4722.8 26.19 233.55
 100.00 10 9 31 1778.76 -15.80 11.12 34.51 115.71 10 39 10 1178.8 -12.21 4.16
 100.00 19 39 41 5043.89 28.83 221.26 41.23 81.75 21 3 45 4443.9 27.39 212.76
 110.00 11 6 5 1601.61 -19.09 355.90 32.73 118.91 11 32 47 1001.6 -15.08 349.07
 110.00 20 59 36 4793.80 32.48 201.54 40.50 78.71 22 19 30 4193.8 30.59 192.84

DIFFERENTIAL CORRECTIONS

TOE .8518 TRA-1.8145 TC3 -.0598 BAU .0813
 RDE -.2916 RRA -.2717 RC3 .1637 FAU .02273
 FDE -.9525 FRA 1.3475 FC3 -.5643 BSP 6253
 BDE .9003 BRA 1.8347 BC3 .1743 FSP -411

MID-COURSE EXECUTION ACCURACY

SGT 1972.5 SGR 435.0 SG3 151.3
 RRT .2704 RRF -.2934 RTF -.8964
 SGB 2019.9 R23 -.0412 R13 -.8970
 SGI 1976.2 SG2 418.1 TMA 3.57

ORBIT DETERMINATION ACCURACY

ST 945.5 SR 294.2 SS 942.1
 CRT -.6577 CRS -.7743 CST .9855
 LSA 1375.1 MSA 235.0 SSA 16.7
 EL1 1005.3 EL2 217.3 ALF 168.34

LAUNCH DATE MAY 6 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 277.194

RL 150.91 LAL .00 LOL 224.79 VL 25.475 GAL 8.36 AZL 93.58 MCA 111.18 SMA 119.58 ECC .29724 INC 3.5808 V1 29.525
 RP 108.87 LAP -3.34 LOP 336.01 VP 36.443 GAP -16.53 AZP 88.71 TAL 159.07 TAP 270.25 RCA 84.04 APO 155.12 V2 34.806
 RC 42.841 GL -16.07 GP 6.46 ZAL 54.72 ZAP 6.49 ETS 276.13 ZAE 161.70 ETE 91.48 ZAC 107.55 ETC 17.82 CLP -.62

PLANETOCENTRIC CONIC

C3 32.328 VHL 5.686 CLA -11.48 RAL 166.02 RAD 6568.3 VEL 12.398 PTH 2.24 VMP 10.537 CPA 18.64 RAP 160.91 ECC 1.5320
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 0 42 1968.04 -12.92 26.44 33.38 115.42 9 33 30 1368.0 -9.40 19.54
 90.00 18 2 0 5341.19 27.62 243.31 40.04 83.49 19 31 2 4741.2 26.43 234.85
 100.00 10 16 15 1724.33 -14.16 7.90 32.76 116.60 10 44 59 1124.3 -10.48 1.05
 100.00 19 29 9 5060.13 28.99 222.45 39.84 82.36 20 53 29 4460.1 27.63 213.91
 110.00 11 11 22 1551.72 -17.42 352.99 30.94 119.89 11 37 14 951.7 -13.51 346.28
 110.00 20 50 31 4805.50 32.63 202.42 39.15 79.21 22 10 37 4205.5 30.80 193.68

DIFFERENTIAL CORRECTIONS

TOE .8643 TRA-1.7860 TC3 -.0275 BAU .0791
 RDE -.2590 RRA -.2639 RC3 .1810 FAU .02395
 FDE -1.0204 FRA 1.3961 FC3 -.6413 BSP 6477
 BDE .9023 BRA 1.8054 BC3 .1831 FSP -453

MID-COURSE EXECUTION ACCURACY

SGT 2032.9 SGR 429.1 SG3 165.1
 RRT .3034 RRF -.3310 RTF -.9036
 SGB 2077.6 R23 -.0476 R13 -.9043
 SGI 2037.2 SG2 408.0 TMA 3.82

ORBIT DETERMINATION ACCURACY

ST 1030.6 SR 273.5 SS 995.8
 CRT -.6474 CRS -.7647 CST .9858
 LSA 1441.3 MSA 225.9 SSA 16.6
 EL1 1046.3 EL2 205.3 ALF 169.86

LAUNCH DATE MAY 6 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

RL 150.91 LAL .00 LOL 224.79 VL 25.639 GAL 7.99 AZL 93.70 MCA 114.34 SMA 120.49 ECC .28609 INC 3.6963 V1 29.525
 RP 108.86 LAP -3.37 LOP 339.18 VP 36.563 GAP -15.70 AZP 88.47 TAL 158.92 TAP 273.26 RCA 86.02 APO 154.96 V2 34.812
 RC 42.900 GL -17.37 GP 6.98 ZAL 55.02 ZAP 7.30 ETS 287.72 ZAE 160.95 ETE 82.70 ZAC 105.85 ETC 17.55 CLP -2.15

PLANETOCENTRIC CONIC

C3 30.067 VHL 5.483 DLA -12.66 RAL 165.46 RAD 6568.2 VEL 12.306 PTH 2.22 VHP 9.861 CPA 18.52 RAP 162.70 ECC 1.494H
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 8 22 1910.23 -11.21 23.06 31.67 116.17 9 40 12 1310.2 -7.60 16.24
 90.00 17 49 52 5362.55 27.77 244.85 38.63 84.25 19 19 14 4762.6 26.69 236.36
 100.00 10 23 11 1668.84 -12.43 4.68 31.04 117.40 10 51 0 1068.8 -8.68 357.91
 100.00 19 17 44 5079.17 29.15 223.84 38.45 83.07 20 42 23 4479.2 27.89 215.26
 110.00 11 16 43 1501.18 -15.68 350.10 29.18 120.77 11 41 44 901.2 -11.48 343.51
 110.00 20 40 41 4819.60 32.81 203.48 37.81 79.82 22 1 1 4219.6 31.06 194.70

DIFFERENTIAL CORRECTIONS

TOE .8775 TRA-1.7647 TC3 .0069 BAU .0803
 ROE -.2260 RRA -.2575 RC3 .1997 FAU .02527
 FDE-1.0966 FRA 1.4481 FC3 -.7277 BSP 6717
 BDE .9061 BRA 1.7834 BC3 .1998 FSP -498

MID-COURSE EXECUTION ACCURACY

SGT 2100.6 SGR 424.0 SG3 180.3
 RRT .3439 RRF -.3750 RTF -.9097
 SGB 2142.9 R23 -.0539 R13 -.9105
 SGI 2105.8 SG2 397.2 TMA 4.12

ORBIT DETERMINATION ACCURACY

ST 1078.0 SR 250.3 SS 1053.9
 CRT -.6286 CRS -.7492 CST .9857
 LSA 1512.2 MSA 219.9 SSA 16.5
 EL1 1089.8 EL2 192.6 ALF 171.43

LAUNCH DATE MAY 6 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

RL 150.91 LAL .00 LOL 224.79 VL 25.791 GAL 7.64 AZL 93.82 MCA 117.50 SMA 121.35 ECC .27560 INC 3.8178 V1 29.525
 RP 108.84 LAP -3.39 LOP 342.35 VP 36.877 GAP -14.89 AZP 88.23 TAL 158.81 TAP 276.31 RCA 87.91 APO 154.80 V2 34.819
 RC 43.133 GL -18.74 GP 7.58 ZAL 55.42 ZAP 8.44 ETS 296.72 ZAE 159.81 ETE 74.91 ZAC 104.16 ETC 17.28 CLP -3.72

PLANETOCENTRIC CONIC

C3 28.066 VHL 5.298 DLA -13.88 RAL 164.81 RAD 6568.1 VEL 12.225 PTH 2.20 VHP 9.402 CPA 18.47 RAP 164.48 ECC 1.4619
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 16 23 1850.97 -9.41 19.64 30.01 116.83 9 47 14 1291.0 -5.74 12.89
 90.00 17 36 40 5387.36 27.93 246.65 37.22 85.14 19 6 27 4787.4 26.96 238.12
 100.00 10 30 23 1612.19 -10.65 1.43 29.36 118.10 10 57 15 1012.2 -6.81 354.74
 100.00 19 5 20 5101.39 29.32 225.47 37.07 83.91 20 30 22 4501.4 28.17 216.85
 110.00 11 22 11 1449.93 -13.68 347.23 27.47 121.56 11 46 21 849.9 -9.60 340.74
 110.00 20 30 2 4836.40 33.00 204.76 36.48 80.55 21 50 38 4236.4 31.35 195.92

DIFFERENTIAL CORRECTIONS

TOE .8955 TRA-1.7350 TC3 .0493 BAU .0846
 ROE -.1923 RRA -.2529 RC3 .2201 FAU .02678
 FDE-1.1843 FRA 1.5021 FC3 -.8261 BSP 6990
 BDE .9159 BRA 1.7533 BC3 .2255 FSP -551

MID-COURSE EXECUTION ACCURACY

SGT 2162.6 SGR 420.7 SG3 197.2
 RRT .3906 RRF -.4262 RTF -.9161
 SGB 2203.1 R23 -.0615 R13 -.9170
 SGI 2169.0 SG2 386.2 TMA 4.49

ORBIT DETERMINATION ACCURACY

ST 1128.8 SR 224.6 SS 1117.8
 CRT -.6011 CRS -.7240 CST .9861
 LSA 1590.2 MSA 212.6 SSA 16.3
 EL1 1137.1 EL2 178.2 ALF 173.01

LAUNCH DATE MAY 6 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

RL 150.91 LAL .00 LOL 224.79 VL 25.932 GAL 7.50 AZL 93.95 MCA 120.67 SMA 122.17 ECC .26576 INC 3.9465 V1 29.525
 RP 108.81 LAP -3.39 LOP 345.53 VP 36.783 GAP -14.11 AZP 87.98 TAL 158.73 TAP 279.40 RCA 89.70 APO 154.63 V2 34.826
 RC 43.534 GL -20.19 GP 8.26 ZAL 55.90 ZAP 9.82 ETS 303.42 ZAE 158.38 ETE 68.30 ZAC 102.49 ETC 17.02 CLP -5.34

PLANETOCENTRIC CONIC

C3 26.307 VHL 5.729 DLA -15.15 RAL 164.07 RAD 6568.1 VEL 12.153 PTH 2.18 VHP 8.961 CPA 18.51 RAP 166.26 ECC 1.4330
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 24 53 1790.03 -7.52 16.16 28.41 117.38 9 54 43 1190.0 -3.79 9.46
 90.00 17 22 17 5416.14 28.08 248.75 35.82 86.18 18 52 33 4816.1 27.25 240.18
 100.00 10 37 59 1554.16 -8.77 358.14 27.74 118.69 11 3 53 954.2 -4.88 351.52
 100.00 18 51 51 5127.24 29.49 227.37 35.70 84.90 20 17 19 4527.2 28.47 218.71
 110.00 11 27 52 1397.92 -12.00 344.36 25.81 122.25 11 51 9 797.9 -7.66 337.96
 110.00 20 18 28 4856.24 33.22 206.27 35.18 81.42 21 39 24 4256.2 31.67 197.38

DIFFERENTIAL CORRECTIONS

TOE .9134 TRA-1.7058 TC3 .0922 BAU .0911
 ROE -.1575 RRA -.2504 RC3 .2420 FAU .02839
 FDE-1.2828 FRA 1.5608 FC3 -.9343 BSP 7205
 BDE .9269 BRA 1.7241 BC3 .2590 FSP -608

MID-COURSE EXECUTION ACCURACY

SGT 2224.3 SGR 420.2 SG3 215.7
 RRT .4452 RRF -.4854 RTF -.9217
 SGB 2263.6 R23 -.0705 R13 -.9228
 SGI 2232.3 SG2 374.9 TMA 4.95

ORBIT DETERMINATION ACCURACY

ST 1179.8 SR 196.4 SS 1186.4
 CRT -.5525 CRS -.6805 CST .9864
 LSA 1671.9 MSA 206.0 SSA 16.0
 EL1 1184.9 EL2 163.0 ALF 174.64

LAUNCH DATE MAY 6 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

RL 150.91 LAL .00 LOL 224.79 VL 26.063 GAL 6.99 AZL 94.08 MCA 123.84 SMA 122.93 ECC .25656 INC 4.0840 V1 29.525
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.882 GAP -13.35 AZP 87.72 TAL 158.69 TAP 282.53 RCA 91.39 APO 154.47 V2 34.834
 RC 44.099 GL -21.72 GP 9.03 ZAL 56.47 ZAP 11.41 ETS 308.31 ZAE 156.73 ETE 62.88 ZAC 100.85 ETC 16.77 CLP -7.00

PLANETOCENTRIC CONIC

C3 24.776 VHL 4.978 DLA -16.47 RAL 163.24 RAD 6568.0 VEL 12.089 PTH 2.16 VHP 8.538 CPA 18.64 RAP 168.02 ECC 1.4077
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 34 2 1727.03 -5.53 12.60 26.88 117.82 10 2 49 1127.0 -1.77 5.94
 90.00 17 6 32 5449.52 28.21 251.18 34.45 87.39 18 37 21 4849.5 27.55 242.58
 100.00 10 46 5 1494.50 -6.81 354.81 26.18 119.18 11 11 0 894.5 -2.87 348.24
 100.00 18 37 9 5157.28 29.66 229.59 34.36 86.06 20 3 7 4557.3 28.79 220.89
 110.00 11 33 48 1345.03 -10.07 341.49 24.20 122.84 11 56 13 745.0 -5.67 335.16
 110.00 20 5 56 4879.51 33.44 208.05 33.91 82.45 21 27 15 4279.5 32.03 199.10

DIFFERENTIAL CORRECTIONS

TOE .9340 TRA-1.6745 TC3 .1303 BAU .0993
 ROE -.1210 RRA -.2502 RC3 .2659 FAU .03016
 FDE-1.3953 FRA 1.6230 FC3 -1.0538 BSP 7413
 BDE .9418 BRA 1.6931 BC3 .2997 FSP -670

MID-COURSE EXECUTION ACCURACY

SGT 2283.7 SGR 423.9 SG3 236.2
 RRT .5067 RRF -.5516 RTF -.9268
 SGB 2322.7 R23 -.0808 R13 -.9282
 SGI 2294.0 SG2 363.8 TMA 5.51

ORBIT DETERMINATION ACCURACY

ST 1232.7 SR 186.0 SS 1261.0
 CRT -.4657 CRS -.6014 CST .9868
 LSA 1759.8 MSA 199.7 SSA 15.7
 EL1 1235.1 EL2 146.6 ALF 176.36

LAUNCH DATE MAY 6 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

RL 150.91 LAL .00 LOL 224.79 VL 26.184 GAL 6.69 AZL 94.23 MCA 127.01 SMA 123.66 ECC .24796 INC 4.2322 VI 29.525
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.975 GAP -12.61 A7P 87.45 TAL 158.68 TAP 285.68 RCA 93.00 APO 154.32 V2 34.842
 RC 44.820 GL -23.34 GP 9.93 ZAL 57.13 ZAP 13.18 ETS 311.86 ZAE 154.94 ETE 58.56 ZAC 99.22 ETC 16.53 CLP -8.72

PLANETOCENTRIC CONIC

C3 23.459 VML 4.843 DLA -17.85 RAL 162.33 RAD 6568.0 VEL 12.035 PTM 2.15 WMP 8.132 DPA 18.89 RAP 169.78 ECC 1.3861
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 44 2 1661.43 -3.44 8.91 25.43 118.12 10 11 44 1061.4 .35 2.28
 90.00 16 49 12 5488.33 28.29 254.01 33.10 88.81 18 20 40 4888.3 27.83 245.38
 100.00 10 54 53 1432.84 -4.75 351.39 24.71 119.55 11 18 46 832.8 -.78 344.85
 100.00 18 21 3 5192.15 29.79 232.17 33.05 87.41 19 47 35 4592.2 29.11 223.43
 110.00 11 40 7 1291.10 -8.06 336.60 22.67 125.33 12 1 38 691.1 -3.62 332.33
 110.00 19 52 18 4906.66 33.66 210.13 32.69 83.67 21 14 4 4306.7 32.42 201.12

DIFFERENTIAL CORRECTIONS

TOE .9578 TRA-1.6413 TC3 .1866 BAU .1086
 RDE -.0819 RRA -.2528 RC3 .2918 FAU .03209
 FDE-1.5244 FRA 1.6891 FC3-1.1842 B3P 7816
 BDE .9613 BRA 1.6607 BC3 .3463 F3P -739

MID-COURSE EXECUTION ACCURACY

SGT 2340.4 SGR 433.5 SG3 258.8
 RRT .5737 RRF -.6229 RTF -.9317
 SGB 2380.2 R23 -.0927 R13 -.9334
 SG1 2353.9 SG2 353.0 TMA 6.21

ORBIT DETERMINATION ACCURACY

ST 1287.8 SR 135.4 SS 1342.3
 CRT -.2983 CRS -.4446 CST .9873
 LSA 1854.9 MSA 193.7 SSA 15.2
 EL1 1288.4 EL2 129.2 ALF 178.19

LAUNCH DATE MAY 6 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

RL 150.91 LAL .00 LOL 224.79 VL 26.295 GAL 6.41 AZL 94.39 MCA 130.18 SMA 124.33 ECC .23994 INC 4.3934 VI 29.525
 RP 108.74 LAP -3.36 LOP 355.05 VP 37.063 GAP -11.90 A7P 87.16 TAL 158.70 TAP 288.87 RCA 94.50 APO 154.17 V2 34.851
 RC 45.690 GL -25.05 GP 10.96 ZAL 57.88 ZAP 15.14 ETS 314.39 ZAE 153.08 ETE 55.24 ZAC 97.62 ETC 16.28 CLP -10.50

PLANETOCENTRIC CONIC

C3 22.346 VML 4.727 DLA -19.30 RAL 161.32 RAD 6567.9 VEL 11.989 PTM 2.14 WMP 7.745 DPA 19.29 RAP 171.55 ECC 1.3678
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 55 14 1592.44 -1.22 5.06 24.10 118.29 10 21 46 992.4 2.58 358.43
 90.00 16 29 58 5553.68 28.31 257.33 31.79 90.47 18 2 11 4933.7 28.08 248.67
 100.00 11 4 35 1368.60 -2.58 347.85 23.34 119.79 11 27 24 768.6 1.40 341.33
 100.00 18 3 17 5232.74 29.88 235.19 31.78 89.00 19 30 30 4632.7 29.42 226.41
 110.00 11 46 57 1235.88 -5.98 335.67 21.23 123.72 12 7 33 635.9 -1.51 329.44
 110.00 19 37 25 4938.24 33.87 212.58 31.54 85.10 20 59 43 4338.2 32.82 203.50

DIFFERENTIAL CORRECTIONS

TOE .9851 TRA-1.6061 TC3 .2361 BAU .1188
 RDE -.0392 RRA -.2584 RC3 .3201 FAU .03419
 FDE-1.6730 FRA 1.7586 FC3-1.3246 B3P 7818
 BDE .9859 BRA 1.6268 BC3 .3977 F3P -816

MID-COURSE EXECUTION ACCURACY

SGT 2393.6 SGR 451.6 SG3 283.7
 RRT .6432 RRF -.6961 RTF -.9363
 SGB 2435.9 R23 -.1060 R13 -.9383
 SG1 2411.6 SG2 343.2 TMA 7.06

ORBIT DETERMINATION ACCURACY

ST 1344.8 SR 110.6 SS 1430.9
 CRT .0335 CRS -.1203 CST .9878
 LSA 1957.7 MSA 188.1 SSA 14.6
 EL1 1344.8 EL2 110.6 ALF .16

LAUNCH DATE MAY 6 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

RL 150.91 LAL .00 LOL 224.79 VL 26.398 GAL 6.14 AZL 94.57 MCA 133.35 SMA 124.97 ECC .23250 INC 4.5704 VI 29.525
 RP 108.71 LAP -3.32 LOP 358.23 VP 37.144 GAP -11.21 A7P 86.86 TAL 158.74 TAP 292.09 RCA 95.91 APO 154.02 V2 34.860
 RC 46.700 GL -26.86 GP 12.16 ZAL 58.72 ZAP 17.27 ETS 316.15 ZAE 151.18 ETE 52.78 ZAC 96.04 ETC 16.03 CLP -12.36

PLANETOCENTRIC CONIC

C3 21.433 VML 4.630 DLA -20.80 RAL 160.21 RAD 6567.9 VEL 11.950 PTM 2.13 WMP 7.377 DPA 19.86 RAP 173.32 ECC 1.3527
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 8 3 1518.79 1.16 .95 22.90 118.30 10 33 22 918.8 4.94 354.31
 90.00 16 8 20 5587.15 28.22 261.24 30.50 92.43 17 41 27 4987.2 28.26 252.58
 100.00 11 15 33 1300.93 -.29 344.13 22.09 119.89 11 37 14 700.9 3.69 337.61
 100.00 17 43 31 5280.25 29.88 238.72 30.55 90.85 19 11 31 4680.2 29.68 229.92
 110.00 11 54 27 1179.01 -3.83 332.68 19.88 123.99 12 14 6 579.0 .66 326.48
 110.00 19 21 6 4974.93 34.05 215.43 30.45 86.78 20 44 1 4374.9 33.23 206.28

DIFFERENTIAL CORRECTIONS

TOE 1.0185 TRA-1.5667 TC3 .2892 BAU .1304
 RDE .0087 RRA -.2675 RC3 .3511 FAU .03652
 FDE-1.8456 FRA 1.8299 FC3-1.4750 B3P 8059
 BDE 1.0185 BRA 1.5894 BC3 .4549 F3P -904

MID-COURSE EXECUTION ACCURACY

SGT 2441.9 SGR 480.9 SG3 310.9
 RRT .7113 RRF -.7665 RTF -.9410
 SGB 2488.8 R23 -.1200 R13 -.9435
 SG1 2466.2 SG2 334.7 TMA 8.12

ORBIT DETERMINATION ACCURACY

ST 1405.7 SR 107.2 SS 1527.9
 CRT .5288 CRS .3972 CST .9886
 LSA 2070.9 MSA 182.2 SSA 13.9
 EL1 1406.9 EL2 90.9 ALF 2.32

LAUNCH DATE MAY 6 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

RL 150.91 LAL .00 LOL 224.79 VL 26.492 GAL 5.89 AZL 94.77 MCA 136.52 SMA 125.56 ECC .22559 INC 4.7672 VI 29.525
 RP 108.68 LAP -3.28 LOP 1.41 VP 37.221 GAP -10.53 A7P 86.54 TAL 158.82 TAP 295.34 RCA 97.23 APO 153.88 V2 34.870
 RC 47.841 GL -28.76 GP 13.57 ZAL 59.65 ZAP 19.61 ETS 317.30 ZAE 149.25 ETE 51.11 ZAC 94.49 ETC 15.77 CLP -14.29

PLANETOCENTRIC CONIC

C3 20.718 VML 4.552 DLA -22.39 RAL 159.01 RAD 6567.8 VEL 11.921 PTM 2.12 WMP 7.029 DPA 20.65 RAP 175.12 ECC 1.3410
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 23 15 1438.37 3.75 356.46 21.88 118.09 10 47 14 838.4 7.48 349.76
 90.00 15 43 34 5651.28 27.95 265.91 29.23 94.76 17 17 45 5051.3 28.31 257.26
 100.00 11 28 17 1228.46 2.17 340.16 21.00 119.82 11 48 46 628.5 6.12 333.60
 100.00 17 21 12 5336.42 29.75 242.89 29.37 93.05 18 50 9 4736.4 29.86 234.09
 110.00 12 2 54 1119.97 -1.57 329.60 18.66 124.13 12 21 34 520.0 2.92 323.59
 110.00 19 3 5 5017.68 34.16 218.76 29.45 88.75 20 26 43 4417.7 33.61 209.56

DIFFERENTIAL CORRECTIONS

TOE 1.0534 TRA-1.5279 TC3 .3346 BAU .1413
 RDE .0634 RRA -.2810 RC3 .3850 FAU .03891
 FDE-2.0429 FRA 1.9045 FC3-1.6261 B3P 8228
 BDE 1.0533 BRA 1.5533 BC3 .5101 F3P -996

MID-COURSE EXECUTION ACCURACY

SGT 2485.4 SGR 524.9 SG3 340.4
 RRT .7728 RRF -.8296 RTF -.9449
 SGB 2540.2 R23 -.1360 R13 -.9480
 SG1 2518.9 SG2 328.7 TMA 9.43

ORBIT DETERMINATION ACCURACY

ST 1465.5 SR 140.2 SS 1631.9
 CRT .8641 CRS .7830 CST .9893
 LSA 2190.6 MSA 177.9 SSA 13.2
 EL1 1470.5 EL2 70.3 ALF 4.74

LAUNCH DATE MAY 6 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 337.663

RL 150.91 LAL .00 LOL 224.79 VL 26.579 GAL 5.66 AZL 94.99 MCA 159.70 SMA 126.11 ECC .21922 INC 4.9885 V1 29.525
 RP 108.64 LAP -3.22 LOP 4.60 VP 37.292 GAP -9.88 A7P 86.19 TAL 158.91 TAP 298.60 RCA 98.46 APO 153.75 V2 34.881
 RC 49.103 GL -30.77 GP 15.23 ZAL 60.66 ZAP 22.18 ETS 317.96 ZAE 147.29 ETE 50.15 ZAC 92.96 ETC 15.50 CLP -16.31

PLANETOCENTRIC CONIC

C3 20.206 VML 4.495 DLA -24.05 RAL 157.71 RAD 6567.8 VEL 11.899 PTH 2.11 VMP 6.704 OPA 21.69 RAP 176.95 ECC 1.3325
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 42 12 1347.14 6.65 351.33 21.11 117.59 11 4 39 747.1 10.30 344.54
 90.00 15 14 14 5730.55 27.37 271.64 27.93 97.57 16 49 44 5130.6 28.13 263.06
 100.00 11 43 39 1148.80 4.85 335.77 20.13 119.53 12 2 47 548.8 8.75 329.15
 100.00 16 55 28 5404.12 29.40 247.89 28.20 95.65 18 25 32 4804.1 29.87 239.12
 110.00 12 12 37 1057.94 .80 326.36 17.61 124.17 12 30 15 457.9 5.28 320.14
 110.00 18 42 59 5067.75 34.17 222.67 28.53 91.06 20 7 27 4467.8 33.94 213.43

DIFFERENTIAL CORRECTIONS

TDE 1.0934 TRA-1.4873 TC3 .3751 BAU .1525
 RDE .1277 RRA -2.996 RC3 .4220 FAU .04141
 FDE-2.2702 FRA 1.9801 FC3-1.7740 BSP .8388
 BDE 1.1008 BRA 1.5172 BC3 .5646 FSP -1095

MID-COURSE EXECUTION ACCURACY

SGT 2525.0 SGR 587.6 SG3 372.2
 RRT .8249 RRF -.8817 RTF -.9485
 SGB 2590.5 R23 -.1522 R13 -.9525
 SGI 2569.9 SG2 326.1 TMA 11.05

ORBIT DETERMINATION ACCURACY

ST 1526.5 SR 205.8 SS 1743.8
 CRT .9711 CRS .9290 CST .9900
 LSA 2320.1 MSA 174.2 SSA 12.3
 EL1 1539.5 EL2 48.7 ALF 7.47

LAUNCH DATE MAY 6 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 344.338

RL 150.91 LAL .00 LOL 224.79 VL 26.658 GAL 5.45 AZL 95.24 MCA 142.87 SMA 126.61 ECC .21334 INC 5.2409 V1 29.525
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.359 GAP -9.25 A7P 85.82 TAL 159.02 TAP 301.89 RCA 99.60 APO 153.63 V2 34.891
 RC 50.476 GL -32.91 GP 17.21 ZAL 61.77 ZAP 25.01 ETS 318.21 ZAE 145.27 ETE 49.87 ZAC 91.45 ETC 15.19 CLP -18.43

PLANETOCENTRIC CONIC

C3 19.911 VML 4.462 DLA -25.80 RAL 156.30 RAD 6567.8 VEL 11.887 PTH 2.11 VMP 6.405 OPA 23.04 RAP 178.86 ECC 1.3277
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 7 58 1235.67 10.11 344.97 20.75 116.59 11 28 34 635.7 13.60 338.03
 90.00 14 37 12 5835.00 26.21 279.06 26.51 101.12 16 14 27 5235.0 27.48 270.63
 100.00 12 3 12 1057.32 7.90 330.68 19.57 118.92 12 20 50 457.3 11.70 323.96
 100.00 16 24 39 5488.58 28.68 254.06 27.00 98.82 17 56 7 4888.6 29.60 245.38
 110.00 12 24 9 991.60 3.33 322.90 16.76 124.04 12 40 41 391.6 7.78 316.63
 110.00 18 20 11 5127.07 34.00 227.30 27.68 93.79 19 45 38 4527.1 34.15 218.05

DIFFERENTIAL CORRECTIONS

TDE 1.1416 TRA-1.4422 TC3 .4133 BAU .1651
 RDE .2056 RRA -.3237 RC3 .4626 FAU .04403
 FDE-2.5334 FRA 2.0502 FC3-1.9143 BSP .8604
 BDE 1.1599 BRA 1.4781 BC3 .6204 FSP -1208

MID-COURSE EXECUTION ACCURACY

SGT 2552.5 SGR 673.3 SG3 405.7
 RRT .8664 RRF -.9217 RTF -.9522
 SGB 2639.8 R23 -.1661 R13 -.9574
 SGI 2619.4 SG2 327.7 TMA 13.08

ORBIT DETERMINATION ACCURACY

ST 1590.4 SR 298.4 SS 1864.6
 CRT .9958 CRS .9756 CST .9909
 LSA 2463.0 MSA 170.4 SSA 11.3
 EL1 1618.0 EL2 26.8 ALF 10.59

LAUNCH DATE MAY 6 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 350.999

RL 150.91 LAL .00 LOL 224.79 VL 26.730 GAL 5.25 AZL 95.53 MCA 146.05 SMA 127.08 ECC .20795 INC 5.5334 V1 29.525
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.421 GAP -8.63 A7P 85.41 TAL 159.14 TAP 305.19 RCA 100.66 APO 153.51 V2 34.903
 RC 51.950 GL -35.17 GP 19.57 ZAL 62.96 ZAP 28.15 ETS 318.12 ZAE 143.13 ETE 50.21 ZAC 89.95 ETC 14.85 CLP -20.65

PLANETOCENTRIC CONIC

C3 19.857 VML 4.456 DLA -27.65 RAL 154.77 RAD 6567.8 VEL 11.884 PTH 2.11 VMP 6.135 OPA 24.78 RAP 180.88 ECC 1.3268
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 52 34 1066.11 15.08 334.99 21.25 114.25 12 10 20 466.1 18.23 327.73
 90.00 13 40 22 715.22 23.49 312.72 24.53 106.29 13 52 17 115.2 25.50 304.63
 100.00 12 30 52 942.32 11.62 324.17 19.51 117.74 12 46 35 342.3 15.24 317.26
 100.00 15 44 45 5602.29 27.22 262.19 25.60 102.86 17 18 7 5002.3 28.72 253.71
 110.00 12 38 25 918.64 6.10 319.07 16.19 123.70 12 53 43 318.6 10.49 312.72
 110.00 17 53 42 5198.73 33.54 232.84 26.89 97.04 19 20 21 4598.7 34.15 223.65

DIFFERENTIAL CORRECTIONS

TDE 1.1935 TRA-1.3987 TC3 .4344 BAU .1770
 RDE .3017 RRA -.3552 RC3 .5057 FAU .04640
 FDE-2.8304 FRA 2.1158 FC3-2.0232 BSP .8745
 BDE 1.2310 BRA 1.4431 BC3 .6667 FSP -1314

MID-COURSE EXECUTION ACCURACY

SGT 2574.3 SGR 787.1 SG3 439.9
 RRT .8966 RRF -.9502 RTF -.9550
 SGB 2691.9 R23 -.1785 R13 -.9619
 SGI 2670.9 SG2 335.9 TMA 15.58

ORBIT DETERMINATION ACCURACY

ST 1651.0 SR 417.9 SS 1990.1
 CRT .9997 CRS .9912 CST .9915
 LSA 2613.9 MSA 168.2 SSA 10.3
 EL1 1703.1 EL2 10.3 ALF 14.20

LAUNCH DATE MAY 6 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 357.644

RL 150.91 LAL .00 LOL 224.79 VL 26.796 GAL 5.07 AZL 95.88 MCA 149.23 SMA 127.51 ECC .20302 INC 5.8788 V1 29.525
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.479 GAP -8.03 A7P 84.94 TAL 159.27 TAP 308.50 RCA 101.63 APO 153.40 V2 34.914
 RC 53.515 GL -37.59 GP 22.41 ZAL 64.26 ZAP 31.66 ETS 317.73 ZAE 140.79 ETE 51.16 ZAC 88.45 ETC 14.45 CLP -22.98

PLANETOCENTRIC CONIC

C3 20.087 VML 4.482 DLA -29.62 RAL 153.09 RAD 6567.8 VEL 11.894 PTH 2.11 VMP 5.902 OPA 26.97 RAP 183.06 ECC 1.3306
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.92 11 25 27 1133.45 20.46 342.33 22.06 111.90 11 44 20 533.4 23.25 334.67
 99.08 13 54 9 653.39 20.47 307.07 22.07 111.89 14 5 2 53.4 23.26 299.40
 100.00 13 27 20 739.16 17.73 312.19 20.83 114.47 13 39 39 139.2 20.88 304.81
 100.00 14 34 57 5810.95 23.25 276.42 23.20 109.33 16 11 48 5211.0 25.68 268.46
 110.00 12 57 6 834.44 9.26 314.59 16.05 123.05 13 11 1 234.4 13.54 308.12
 110.00 17 21 39 5288.43 32.58 239.66 26.05 100.97 18 49 48 4688.4 33.75 230.62

DIFFERENTIAL CORRECTIONS

TDE 1.2579 TRA-1.3495 TC3 .4496 BAU .1911
 RDE .4244 RRA -.3940 RC3 .5515 FAU .04863
 FDE-3.1686 FRA 2.1610 FC3-2.0959 BSP .8978
 BDE 1.3276 BRA 1.4059 BC3 .7116 FSP -1430

MID-COURSE EXECUTION ACCURACY

SGT 2585.9 SGR 935.1 SG3 473.5
 RRT .9187 RRF -.9693 RTF -.9581
 SGB 2749.8 R23 -.1839 R13 -.9670
 SGI 2727.4 SG2 350.2 TMA 18.70

ORBIT DETERMINATION ACCURACY

ST 1714.8 SR 570.0 SS 2122.1
 CRT .9988 CRS .9968 CST .9924
 LSA 2782.3 MSA 165.5 SSA 9.2
 EL1 1806.9 EL2 26.2 ALF 18.37

LAUNCH DATE MAY 6 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 364.273

RL 150.91 LAL .00 LOL 224.79 VL 26.856 GAL 4.90 AZL 96.30 MCA 152.41 SMA 127.91 ECC .19853 INC 6.2954 V1 29.525
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.533 GAP -7.44 AZP 84.42 TAL 159.41 TAP 311.82 RCA 102.51 APO 153.30 V2 34.926
 RC 55.163 GL -40.18 GP 25.85 ZAL 65.66 ZAP 35.63 ETS 317.09 ZAE 138.11 ETE 52.67 ZAC 86.92 ETC 13.95 CLP -25.41

PLANETOCENTRIC CONIC

C3 20.678 VML 4.547 CLA -31.73 RAL 151.25 RAD 6567.8 VEL 11.919 PTM 2.12 VMP 5.715 DPA 29.73 RAP 185.52 ECC 1.3403
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.05 10 35 12 1276.34 21.64 353.57 21.30 113.78 10 56 28 676.3 24.67 345.93
 104.95 14 29 41 5812.38 21.66 275.84 21.31 113.77 16 6 34 5212.4 24.68 268.20
 75.05 10 35 12 1276.34 21.64 353.57 21.30 113.78 10 56 28 676.3 24.67 345.93
 104.95 14 29 41 5812.38 21.66 275.84 21.31 113.77 16 6 34 5212.4 24.68 268.20
 110.00 13 24 32 726.99 13.18 308.75 16.63 121.83 13 36 39 127.0 17.30 302.05
 110.00 16 39 31 5409.72 30.65 248.59 24.92 105.93 18 9 41 4809.7 32.53 239.87

DIFFERENTIAL CORRECTIONS

TDE 1.3397 TRA-1.2939 TC3 .4580 BAU .2084
 RDE .5852 RRA -.4403 RC3 .5987 FAU .05047
 FDE-3.5460 FRA 2.1713 FC3-2.1130 BSP 9365
 BDE 1.4619 BRA 1.3668 BC3 .7538 FSP -1549

MID-COURSE EXECUTION ACCURACY

SGT 2587.8 SGR 1124.9 SG3 503.8
 RRT .9349 RRF -.9815 RTF -.9614
 SGB 2821.8 R23 -.1801 R13 -.9727
 SGI 2797.5 SG2 369.4 TMA 22.53

ORBIT DETERMINATION ACCURACY

ST 1783.3 SR 763.0 SS 2257.5
 CRT .9975 CRS .9989 CST .9933
 LSA 2971.8 MSA 161.9 SSA 8.1
 EL1 1939.0 EL2 49.4 ALF 23.13

LAUNCH DATE MAY 6 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 370.884

RL 150.91 LAL .00 LOL 224.79 VL 26.910 GAL 4.75 AZL 96.81 MCA 155.59 SMA 128.27 ECC .19447 INC 6.8115 V1 29.525
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.583 GAP -6.88 AZP 83.79 TAL 159.55 TAP 315.13 RCA 103.32 APO 153.21 V2 34.938
 RC 56.885 GL -42.99 GP 30.04 ZAL 67.19 ZAP 40.12 ETS 316.24 ZAE 134.91 ETE 54.66 ZAC 85.35 ETC 13.32 CLP -27.96

PLANETOCENTRIC CONIC

C3 21.757 VML 4.664 CLA -34.00 RAL 149.19 RAD 6567.9 VEL 11.964 PTM 2.13 VMP 5.593 DPA 33.17 RAP 188.42 ECC 1.3581
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.35 9 56 42 1382.31 22.73 2.25 20.78 115.99 10 19 45 782.3 26.03 354.67
 109.65 14 51 46 5730.86 22.74 270.12 20.79 115.98 16 27 17 5130.9 26.04 262.54
 70.35 9 56 42 1382.31 22.73 2.25 20.78 115.99 10 19 45 782.3 26.03 354.67
 109.65 14 51 46 5730.86 22.74 270.12 20.79 115.98 16 27 17 5130.9 26.04 262.54
 110.00 14 26 46 5807.15 20.28 274.72 19.44 118.12 16 3 33 5207.1 23.88 267.43
 110.00 15 20 53 5642.07 25.23 264.46 22.05 113.87 16 54 55 5042.1 28.23 256.57

DIFFERENTIAL CORRECTIONS

TDE 1.4388 TRA-1.2371 TC3 .4478 BAU .2274
 RDE .7994 RRA -.4946 RC3 .6410 FAU .05118
 FDE-3.9432 FRA 2.1345 FC3-2.0365 BSP 9824
 BDE 1.6460 BRA 1.3323 BC3 .7819 FSP -1647

MID-COURSE EXECUTION ACCURACY

SGT 2580.2 SGR 1363.4 SG3 526.1
 RRT .9462 RRF -.9890 RTF -.9644
 SGB 2918.3 R23 -.1688 R13 -.9785
 SGI 2891.6 SG2 393.8 TMA 27.11

ORBIT DETERMINATION ACCURACY

ST 1851.0 SR 1006.5 SS 2385.2
 CRT .9966 CRS .9996 CST .9941
 LSA 3178.5 MSA 158.9 SSA 7.1
 EL1 2105.7 EL2 72.6 ALF 28.49

LAUNCH DATE MAY 6 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 377.482

RL 150.91 LAL .00 LOL 224.79 VL 26.959 GAL 4.62 AZL 97.47 MCA 158.77 SMA 128.59 ECC .19083 INC 7.4721 V1 29.525
 RP 108.43 LAP -2.70 LOP 23.72 VP 37.629 GAP -6.32 AZP 83.03 TAL 159.67 TAP 318.44 RCA 104.05 APO 153.13 V2 34.951
 RC 58.673 GL -46.05 GP 35.15 ZAL 68.88 ZAP 45.25 ETS 315.22 ZAE 130.97 ETE 56.98 ZAC 83.69 ETC 12.47 CLP -30.56

PLANETOCENTRIC CONIC

C3 23.557 VML 4.854 CLA -36.45 RAL 146.87 RAD 6568.0 VEL 12.039 PTM 2.15 VMP 5.563 DPA 37.38 RAP 192.02 ECC 1.3877
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.03 9 22 45 1475.88 23.61 10.15 20.56 118.61 9 47 21 875.9 27.24 2.67
 113.97 15 7 10 5675.92 23.63 266.27 20.57 118.60 16 41 46 5075.9 27.25 258.79
 66.03 9 22 45 1475.88 23.61 10.15 20.56 118.61 9 47 21 875.9 27.24 2.67
 113.97 15 7 10 5675.92 23.63 266.27 20.57 118.60 16 41 46 5075.9 27.25 258.79
 66.03 9 22 45 1475.88 23.61 10.15 20.56 118.61 9 47 21 875.9 27.24 2.67
 113.97 15 7 10 5675.92 23.63 266.27 20.57 118.60 16 41 46 5075.9 27.25 258.79

DIFFERENTIAL CORRECTIONS

TDE 1.5121 TRA-1.2319 TC3 .3266 BAU .2262
 RDE 1.0754 RRA -.5736 RC3 .6397 FAU .04665
 FDE-4.2592 FRA 2.1040 FC3-1.7143 BSP 9114
 BDE 1.8555 BRA 1.3589 BC3 .7183 FSP -1554

MID-COURSE EXECUTION ACCURACY

SGT 2560.3 SGR 1645.0 SG3 529.7
 RRT .9462 RRF -.9932 RTF -.9611
 SGB 3043.2 R23 -.1675 R13 -.9812
 SGI 3009.3 SG2 453.0 TMA 32.11

ORBIT DETERMINATION ACCURACY

ST 1865.6 SR 1294.5 SS 2457.4
 CRT .9951 CRS .9999 CST .9936
 LSA 3341.6 MSA 170.7 SSA 6.1
 EL1 2268.3 EL2 103.3 ALF 34.71

LAUNCH DATE MAY 6 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 384.052

RL 150.91 LAL .00 LOL 224.79 VL 27.002 GAL 4.50 AZL 98.35 MCA 161.94 SMA 128.88 ECC .18756 INC 8.3537 V1 29.525
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.672 GAP -5.78 AZP 82.05 TAL 159.79 TAP 321.74 RCA 104.71 APO 153.06 V2 34.964
 RC 60.521 GL -49.42 GP 41.37 ZAL 70.77 ZAP 51.09 ETS 314.07 ZAE 126.01 ETE 59.39 ZAC 81.90 ETC 11.25 CLP -33.17

PLANETOCENTRIC CONIC

C3 26.513 VML 5.149 CLA -39.11 RAL 144.15 RAD 6568.1 VEL 12.161 PTM 2.18 VMP 5.674 DPA 42.44 RAP 196.79 ECC 1.4363
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 61.82 8 50 37 1566.95 24.14 17.95 20.68 121.76 9 16 44 966.9 28.15 10.65
 118.18 15 17 35 5643.08 24.15 263.92 20.69 121.75 16 51 39 5043.1 28.16 256.62
 61.82 8 50 37 1566.95 24.14 17.95 20.68 121.76 9 16 44 966.9 28.15 10.65
 118.18 15 17 35 5643.08 24.15 263.92 20.69 121.75 16 51 39 5043.1 28.16 256.62
 61.82 8 50 37 1566.95 24.14 17.95 20.68 121.76 9 16 44 966.9 28.15 10.65
 118.18 15 17 35 5643.08 24.15 263.92 20.69 121.75 16 51 39 5043.1 28.16 256.62

DIFFERENTIAL CORRECTIONS

TDE 1.6969 TRA-1.1659 TC3 .3004 BAU .2511
 RDE 1.4802 RRA -.6337 RC3 .6415 FAU .04335
 FDE-4.5888 FRA 1.8870 FC3-1.4155 BSP 10127
 BDE 2.2517 BRA 1.3270 BC3 .7084 FSP -1568

MID-COURSE EXECUTION ACCURACY

SGT 2540.9 SGR 1993.7 SG3 514.9
 RRT .9541 RRF -.9958 RTF -.9652
 SGB 3229.8 R23 -.1378 R13 -.9875
 SGI 3194.7 SG2 474.7 TMA 37.80

ORBIT DETERMINATION ACCURACY

ST 1953.7 SR 1669.6 SS 2534.8
 CRT .9854 CRS 1.0000 CST .9948
 LSA 3605.9 MSA 164.7 SSA 5.2
 EL1 2567.0 EL2 121.6 ALF 40.50

LAUNCH DATE MAY 6 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

C3 31.561 VHL 5.618 DLA -41.98 RAL 140.89 RAD 6568.3 VEL 12.367 PTH 2.23 VMP 6.020 OPA 48.26 RAP 203.60 ECC 1.5194
 RL 150.91 LAL .00 LOL 224.79 VL 27.041 GAL 4.39 AZL 99.60 MCA 165.12 SMA 129.14 ECC .18467 INC 9.5980 V1 29.525
 RP 108.35 LAP -2.45 LOP 30.11 VP 37.712 GAP -5.25 ATP 80.72 TAL 159.90 TAP 325.02 RCA 105.30 APO 152.99 V2 34.977
 RC 62.420 GL -53.15 GP 48.88 ZAL 72.92 ZAP 57.66 ETS 312.72 ZAE 119.77 ETE 61.44 ZAC 79.91 ETC 9.34 CLP -35.57

PLANETOCENTRIC CONIC

C3 31.561 VHL 5.618 DLA -41.98 RAL 140.89 RAD 6568.3 VEL 12.367 PTH 2.23 VMP 6.020 OPA 48.26 RAP 203.60 ECC 1.5194
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.62 8 18 48 1663.18 24.00 26.06 21.22 125.54 8 46 31 1063.2 28.46 19.07
 122.38 15 23 24 5633.96 24.01 263.04 21.23 125.53 16 57 18 5034.0 28.48 256.05
 57.62 8 18 48 1663.18 24.00 26.06 21.22 125.54 8 46 31 1063.2 28.46 19.07
 122.38 15 23 24 5633.96 24.01 263.04 21.23 125.53 16 57 18 5034.0 28.48 256.05
 57.62 8 18 48 1663.18 24.00 26.06 21.22 125.54 8 46 31 1063.2 28.46 19.07
 122.38 15 23 24 5633.96 24.01 263.04 21.23 125.53 16 57 18 5034.0 28.48 256.05

DIFFERENTIAL CORRECTIONS

TOE 1.9576 TRA-1.1235 TC3 .2313 BAU .2645
 ROE 2.0440 RRA -.6869 RC3 .5826 FAU .03544
 FDE -4.7390 FRA 1.5815 FC3 -.9721 BSP 10955
 BOE 2.8302 BRA 1.3168 BC3 .6268 FSP -1434

MID-COURSE EXECUTION ACCURACY

SGT 2535.5 SGR 2379.5 SG3 467.4
 RRT .9587 RRF -.9972 RTF -.9681
 SGB 3477.2 R23 -.1106 R13 -.9919
 SG1 3441.3 SG2 498.4 TMA 43.10

ORBIT DETERMINATION ACCURACY

ST 2049.3 SR .2103.8 SS 2536.7
 CRT .9957 CRS 1.0000 CST .9956
 LSA 3877.4 MSA 162.5 SSA 4.3
 EL1 2933.8 EL2 136.4 ALF 45.75

LAUNCH DATE MAY 6 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

C3 40.961 VHL 6.400 DLA -44.99 RAL 136.86 RAD 6568.6 VEL 12.741 PTH 2.32 VMP 6.793 OPA 54.40 RAP 214.05 ECC 1.6741
 RL 150.91 LAL .00 LOL 224.79 VL 27.075 GAL 4.30 AZL 101.50 MCA 168.29 SMA 129.38 ECC .18215 INC11.4994 V1 29.525
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.748 GAP -4.74 ATP 78.73 TAL 159.98 TAP 328.26 RCA 105.81 APO 152.94 V2 34.990
 RC 64.367 GL -57.25 GP 57.78 ZAL 75.42 ZAP 64.86 ETS 310.70 ZAE 112.00 ETE 62.22 ZAC 77.64 ETC 5.95 CLP -37.18

PLANETOCENTRIC CONIC

C3 40.961 VHL 6.400 DLA -44.99 RAL 136.86 RAD 6568.6 VEL 12.741 PTH 2.32 VMP 6.793 OPA 54.40 RAP 214.05 ECC 1.6741
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 53.46 7 46 5 1773.45 22.63 34.78 22.20 129.98 8 15 38 1173.4 27.61 28.29
 126.54 15 23 58 5655.30 22.64 263.79 22.21 129.97 16 58 13 5055.3 27.62 257.29
 53.46 7 46 5 1773.45 22.63 34.78 22.20 129.98 8 15 38 1173.4 27.61 28.29
 126.54 15 23 58 5655.30 22.64 263.79 22.21 129.97 16 58 13 5055.3 27.62 257.29
 53.46 7 46 5 1773.45 22.63 34.78 22.20 129.98 8 15 38 1173.4 27.61 28.29
 126.54 15 23 58 5655.30 22.64 263.79 22.21 129.97 16 58 13 5055.3 27.62 257.29

DIFFERENTIAL CORRECTIONS

TOE 2.4282 TRA-1.1059 TC3 .1492 BAU .2586
 ROE 2.8430 RRA -.6960 RC3 .4480 FAU .02371
 FDE -4.6231 FRA 1.1798 FC3 -.5012 BSP 11923
 BOE 3.7388 BRA 1.3067 BC3 .4721 FSP -1180

MID-COURSE EXECUTION ACCURACY

SGT 2592.8 SGR 2753.7 SG3 384.2
 RRT .9631 RRF -.9978 RTF -.9724
 SGB 3782.1 R23 -.0850 R13 -.9951
 SG1 3747.1 SG2 513.0 TMA 46.79

ORBIT DETERMINATION ACCURACY

ST 2214.0 SR 2558.9 SS 2443.4
 CRT .9962 CRS 1.0000 CST .9966
 LSA 4170.7 MSA 160.3 SSA 3.4
 EL1 3380.6 EL2 146.4 ALF 49.15

LAUNCH DATE MAY 6 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

C3 61.526 VHL 7.844 DLA -47.84 RAL 131.77 RAD 6569.1 VEL 13.523 PTH 2.47 VMP 8.459 OPA 59.59 RAP 230.86 ECC 2.0126
 RL 150.91 LAL .00 LOL 224.79 VL 27.105 GAL 4.23 AZL 104.78 MCA 171.44 SMA 129.58 ECC .18000 INC14.7821 V1 29.525
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.782 GAP -4.25 ATP 75.38 TAL 160.02 TAP 331.45 RCA 106.26 APO 152.91 V2 35.003
 RC 66.356 GL -61.55 GP 68.06 ZAL 78.57 ZAP 72.37 ETS 305.30 ZAE 102.48 ETE 58.63 ZAC 74.87 ETC 357.98 CLP -35.84

PLANETOCENTRIC CONIC

C3 61.526 VHL 7.844 DLA -47.84 RAL 131.77 RAD 6569.1 VEL 13.523 PTH 2.47 VMP 8.459 OPA 59.59 RAP 230.86 ECC 2.0126
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.68 7 12 9 1909.29 19.02 44.09 23.57 134.77 7 43 58 1309.3 24.55 38.28
 130.32 15 17 21 5721.74 19.04 266.55 23.59 134.77 16 52 43 5121.7 24.56 260.73
 49.68 7 12 9 1909.29 19.02 44.09 23.57 134.77 7 43 58 1309.3 24.55 38.28
 130.32 15 17 21 5721.74 19.04 266.55 23.59 134.77 16 52 43 5121.7 24.56 260.73
 49.68 7 12 9 1909.29 19.02 44.09 23.57 134.77 7 43 58 1309.3 24.55 38.28
 130.32 15 17 21 5721.74 19.04 266.55 23.59 134.77 16 52 43 5121.7 24.56 260.73

DIFFERENTIAL CORRECTIONS

TOE 3.5491 TRA-1.1559 TC3 .0603 BAU .1963
 ROE 3.8959 RRA -.5647 RC3 .2309 FAU .00943
 FDE -4.1881 FRA .7448 FC3 -.1327 BSP 12959
 BOE 5.2701 BRA 1.2865 BC3 .2387 FSP -838

MID-COURSE EXECUTION ACCURACY

SGT 2883.1 SGR 2933.8 SG3 274.0
 RRT .9676 RRF -.9973 RTF -.9810
 SGB 4113.3 R23 -.0817 R13 -.9974
 SG1 4079.9 SG2 523.1 TMA 45.52

ORBIT DETERMINATION ACCURACY

ST 2619.7 SR 2851.8 SS 2243.0
 CRT .9968 CRS .9999 CST .9979
 LSA 4472.2 MSA 159.9 SSA 2.4
 EL1 3869.3 EL2 154.1 ALF 47.44

LAUNCH DATE MAY 6 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

C3 122.642 VHL 11.074 DLA -49.42 RAL 125.73 RAD 6570.3 VEL 15.620 PTH 2.78 VMP 12.493 OPA 60.77 RAP 256.24 ECC 3.0184
 RL 150.91 LAL .00 LOL 224.79 VL 27.131 GAL 4.19 AZL 111.79 MCA 174.53 SMA 129.76 ECC .17825 INC21.7883 V1 29.525
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.813 GAP -3.78 ATP 68.30 TAL 159.98 TAP 334.51 RCA 106.63 APO 152.89 V2 35.016
 RC 68.382 GL -65.08 GP 79.15 ZAL 81.89 ZAP 79.60 ETS 272.60 ZAE 90.54 ETE 26.60 ZAC 70.94 ETC 320.97 CLP -16.42

PLANETOCENTRIC CONIC

C3 122.642 VHL 11.074 DLA -49.42 RAL 125.73 RAD 6570.3 VEL 15.620 PTH 2.78 VMP 12.493 OPA 60.77 RAP 256.24 ECC 3.0184
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 47.64 6 41 11 2079.39 11.81 52.97 25.39 138.35 7 15 51 1479.4 17.73 47.81
 132.36 15 0 5 5858.52 11.83 272.13 25.41 138.35 16 37 44 5258.5 17.74 266.97
 47.64 6 41 11 2079.39 11.81 52.97 25.39 138.35 7 15 51 1479.4 17.73 47.81
 132.36 15 0 5 5858.52 11.83 272.13 25.41 138.35 16 37 44 5258.5 17.74 266.97
 47.64 6 41 11 2079.39 11.81 52.97 25.39 138.35 7 15 51 1479.4 17.73 47.81
 132.36 15 0 5 5858.52 11.83 272.13 25.41 138.35 16 37 44 5258.5 17.74 266.97

DIFFERENTIAL CORRECTIONS

TOE 7.6742 TRA-1.2591 TC3 -.0758 BAU .1274
 ROE 3.0553 RRA .3434 RC3 .0171 FAU -.00602
 FDE -3.5805 FRA .3983 FC3 .0425 BSP 13778
 BOE 8.2601 BRA 1.3051 BC3 .0777 FSP -491

MID-COURSE EXECUTION ACCURACY

SGT 4098.2 SGR 1804.6 SG3 162.6
 RRT .9119 RRF -.9400 RTF -.9969
 SGB 4401.1 R23 -.0235 R13 -.9995
 SG1 4357.3 SG2 619.8 TMA 20.07

ORBIT DETERMINATION ACCURACY

ST 3981.8 SR 1582.9 SS 2002.1
 CRT .9919 CRS .9947 CST .9997
 LSA 4725.8 MSA 187.4 SSA 1.3
 EL1 4280.8 EL2 187.0 ALF 21.56

LAUNCH DATE MAY 6 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 416.031

RL 150.91 LAL .00 LOL 224.79 VL -27.153 GAL 4.22 AZL 134.90 MCA 177.35 SMA 129.91 ECC .17721 INC44.8975 V1 29.525
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.841 GAP -3.40 ATP 45.13 TAL 159.68 TAP 337.02 RCA 106.89 APO 152.94 V2 35.029
 RC 70.443 GL -61.31 GP 73.99 ZAL 85.85 ZAP 85.62 ETS 187.26 ZAE 71.33 ETE 301.95 ZAC 62.33 ETC 227.02 CLP 73.92

PLANETOCENTRIC CONIC

C3 474.734 VHL 21.788 OLA -43.72 RAL 122.26 RAD 6572.3 VEL 24.414 PTM 3.32 VMP 26.314 DPA 50.12 RAP 286.24 ECC 8.8129
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 55.18 6 54 31 2198.99 1.94 53.95 30.22 133.69 7 31 10 1599.0 7.44 48.54
 124.82 14 19 5 827.87 1.95 308.25 30.23 133.69 14 32 53 227.9 7.46 302.84
 55.18 6 54 31 2198.99 1.94 53.95 30.22 133.69 7 31 10 1599.0 7.44 48.54
 124.82 14 19 5 827.87 1.95 308.25 30.23 133.69 14 32 53 227.9 7.46 302.84
 55.18 6 54 31 2198.99 1.94 53.95 30.22 133.69 7 31 10 1599.0 7.44 48.54
 124.82 14 19 5 827.87 1.95 308.25 30.23 133.69 14 32 53 227.9 7.46 302.84

DIFFERENTIAL CORRECTIONS

TOE 8.4408 TRA .8904 TC3 -.1256 BAU 1.8561
 RO-13.3532 RRA 2.0095 RC3 .2641 FAU-.03596
 FDE-3.6009 FRA .3637 FC3 .0656 BSP 13085
 BDE15.7972 BRA 2.1979 BC3 .2924 FSP -252

MID-COURSE EXECUTION ACCURACY

SGT 2308.9 SGR 3766.9 SG3 86.3
 RRT -.9413 RRF .9982 RTF -.9595
 SGB 4418.2 R23 -.0326 R13 .9994
 SGI 4366.7 SG2 672.3 TMA 120.79

ORBIT DETERMINATION ACCURACY

ST 2221.8 SR 3518.4 SS 2155.0
 CRT -.9944 CRS -.9998 CST .9961
 LSA 4681.8 MSA 200.6 SSA .9
 EL1 4156.4 EL2 199.3 ALF 122.21

LAUNCH DATE MAY 6 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 424.388

RL 150.91 LAL .00 LOL 224.79 VL -27.172 GAL 3.85 AZL 37.69 MCA 182.16 SMA 130.04 ECC .17361 INC52.3084 V1 29.525
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.867 GAP -2.45 ATP 142.29 TAL 161.11 TAP 343.27 RCA 107.47 APO 152.62 V2 35.042
 RC 72.534 GL 58.74 GP -66.47 ZAL 86.80 ZAP 87.66 ETS 168.99 ZAE 74.73 ETE 57.68 ZAC 87.17 ETC 127.53 CLP 84.13

PLANETOCENTRIC CONIC

C3 629.794 VHL 25.096 OLA 66.10 RAL 183.72 RAD 6572.6 VEL 27.406 PTM 3.40 VMP 33.892 DPA -76.75 RAP 26.92 ECC11.3648
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 27.40 21 44 6 5041.86 -1.24 244.03 95.18 23.91 23 8 8 4441.9 -8.54 241.18
 152.60 7 55 47 3316.15 -1.23 98.87 95.16 23.91 8 51 3 2716.1 -8.54 96.02
 27.40 21 44 6 5041.86 -1.24 244.03 95.18 23.91 23 8 8 4441.9 -8.54 241.18
 152.60 7 55 47 3316.15 -1.23 98.87 95.16 23.91 8 51 3 2716.1 -8.54 96.02
 27.40 21 44 6 5041.86 -1.24 244.03 95.18 23.91 23 8 8 4441.9 -8.54 241.18
 152.60 7 55 47 3316.15 -1.23 98.87 95.16 23.91 8 51 3 2716.1 -8.54 96.02

DIFFERENTIAL CORRECTIONS

TOE-3.7427 TRA-3.0500 TC3 -.1533 BAU 2.5930
 RDE-1.5738 RRA-6.4386 RC3 -.2671 FAU-.04440
 FDE .5071 FRA 1.4648 FC3 .0610 BSP 13123
 BDE 4.0601 BRA 7.1226 BC3 .3080 FSP -236

MID-COURSE EXECUTION ACCURACY

SGT 2067.8 SGR 3883.6 SG3 76.7
 RRT .9429 RRF -.9993 RTF -.9548
 SGB 4399.8 R23 -.0347 R13 -.9994
 SGI 4356.8 SG2 613.8 TMA 62.76

ORBIT DETERMINATION ACCURACY

ST 998.3 SR 1146.6 SS 800.9
 CRT .7592 CRS .9930 CST .8307
 LSA 1632.7 MSA 535.7 SSA .5
 EL1 1428.0 EL2 521.7 ALF 50.19

LAUNCH DATE MAY 6 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 430.174

RL 150.91 LAL .00 LOL 224.79 VL -27.187 GAL 3.95 AZL 71.14 MCA 184.79 SMA 130.15 ECC .17340 INC18.8608 V1 29.525
 RP 108.10 LAP -1.55 LOP 49.32 VP 37.890 GAP -2.15 ATP 108.80 TAL 160.56 TAP 345.34 RCA 107.58 APO 152.72 V2 35.056
 RC 74.652 GL 64.83 GP -85.16 ZAL 81.39 ZAP 85.18 ETS 61.77 ZAE 97.44 ETE 314.18 ZAC 100.54 ETC 26.36 CLP -4.59

PLANETOCENTRIC CONIC

C3 93.847 VHL 9.687 OLA 64.26 RAL 207.09 RAD 6569.8 VEL 14.669 PTM 2.66 VMP 14.125 DPA -68.16 RAP 108.37 ECC 2.5445
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 29.56 23 14 19 4768.39 -17.45 235.76 108.38 27.08 24 33 48 4168.4 -24.53 232.18
 150.44 9 16 3 3058.06 -17.44 93.03 108.36 27.08 10 7 1 2458.1 -24.52 89.45
 29.56 23 14 19 4768.39 -17.45 235.76 108.38 27.08 24 33 48 4168.4 -24.53 232.18
 150.44 9 16 3 3058.06 -17.44 93.03 108.36 27.08 10 7 1 2458.1 -24.52 89.45
 29.56 23 14 19 4768.39 -17.45 235.76 108.38 27.08 24 33 48 4168.4 -24.53 232.18
 150.44 9 16 3 3058.06 -17.44 93.03 108.36 27.08 10 7 1 2458.1 -24.52 89.45

DIFFERENTIAL CORRECTIONS

TOE 1.7020 TRA-2.3628 TC3 -.0201 BAU .0745
 RDE -.1833 RRA 2.5334 RC3 -.0558 FAU .00237
 FDE -.5017 FRA 1.1613 FC3 -.0219 BSP 15005
 BDE 1.7118 BRA 3.4642 BC3 .0594 FSP -446

MID-COURSE EXECUTION ACCURACY

SGT 3371.5 SGR 3453.1 SG3 139.1
 RRT -.9624 RRF .9882 RTF -.9924
 SGB 4826.0 R23 .0187 R13 .9996
 SGI 4780.5 SG2 661.6 TMA 134.29

ORBIT DETERMINATION ACCURACY

ST 1394.6 SR 1040.6 SS 682.9
 CRT -.7635 CRS -.8984 CST .9695
 LSA 1780.2 MSA 570.1 SSA 1.1
 EL1 1644.0 EL2 570.0 ALF 145.63

LAUNCH DATE MAY 6 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 436.456

RL 150.91 LAL .00 LOL 224.79 VL -27.199 GAL 3.97 AZL 79.90 MCA 187.86 SMA 130.24 ECC .17283 INC10.0988 V1 29.525
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.911 GAP -1.73 ATP 100.01 TAL 160.37 TAP 348.23 RCA 107.73 APO 152.74 V2 35.069
 RC 76.795 GL 56.37 GP -76.58 ZAL 75.19 ZAP 84.09 ETS 25.20 ZAE 108.51 ETE 279.97 ZAC 105.35 ETC 356.47 CLP -63.68

PLANETOCENTRIC CONIC

C3 32.657 VHL 5.715 OLA 56.19 RAL 198.51 RAD 6568.3 VEL 12.411 PTM 2.24 VMP 8.837 DPA -58.76 RAP 123.10 ECC 1.5375
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 39.20 23 4 23 4467.73 -29.91 216.98 85.86 39.93 24 18 51 3867.7 -35.90 211.07
 140.80 8 17 31 2846.60 -29.90 86.07 85.85 39.93 9 4 58 2246.6 -35.89 80.15
 39.20 23 4 23 4467.73 -29.91 216.98 85.86 39.93 24 18 51 3867.7 -35.90 211.07
 140.80 8 17 31 2846.60 -29.90 86.07 85.85 39.93 9 4 58 2246.6 -35.89 80.15
 39.20 23 4 23 4467.73 -29.91 216.98 85.86 39.93 24 18 51 3867.7 -35.90 211.07
 140.80 8 17 31 2846.60 -29.90 86.07 85.85 39.93 9 4 58 2246.6 -35.89 80.15

DIFFERENTIAL CORRECTIONS

TOE .6291 TRA -.3803 TC3 -.0294 BAU .3654
 RDE -.2835 RRA 2.5691 RC3 -.8365 FAU .02176
 FDE -.2926 FRA 1.6062 FC3 -.5768 BSP 14873
 BDE .6901 BRA 2.5943 BC3 .8369 FSP -818

MID-COURSE EXECUTION ACCURACY

SGT 905.7 SGR 4735.9 SG3 257.7
 RRT -.7361 RRF .9991 RTF -.7570
 SGB 4821.7 R23 .0137 R13 .9995
 SGI 4783.3 SG2 606.9 TMA 98.14

ORBIT DETERMINATION ACCURACY

ST 660.2 SR 1418.0 SS 699.9
 CRT -.4805 CRS -.9923 CST .5852
 LSA 1618.6 MSA 562.7 SSA 1.9
 EL1 1459.5 EL2 562.5 ALF 104.87

LAUNCH DATE MAY 6 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 19 1967

MELIOCENTRIC CONIC
 RL 150.91 LAL .00 LOL 224.79 VL 27.209 GAL 3.98 AZL 83.72 MCA 191.01 SMA 130.30 ECC .17241 INC 6.2814 V1 29.525
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.930 GAP -1.29 AZP 96.17 TAL 160.22 TAP 351.24 RCA 107.84 APO 152.77 V2 35.082
 RC 78.958 GL 45.33 GP -68.56 ZAL 69.40 ZAP 84.61 ETS 14.72 ZAE 116.45 ETE 271.07 ZAC 108.62 ETC 352.28 CLP -75.11

PLANETOCENTRIC CONIC
 C3 17.439 VHL 4.176 DLA 46.52 RAL 189.55 RAD 6567.7 VEL 11.782 PTM 2.08 VMP 6.614 DPA -51.20 RAP 129.39 ECC 1.2870
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.41 23 6 52 4226.47 -32.23 194.37 62.86 54.43 24 17 19 3626.5 -36.63 186.68
 128.59 7 3 35 2781.96 -32.21 81.87 62.85 54.41 7 49 57 2182.0 -36.61 74.18
 51.41 23 6 52 4226.47 -32.23 194.37 62.86 54.43 24 17 19 3626.5 -36.63 186.68
 128.59 7 3 35 2781.96 -32.21 81.87 62.85 54.41 7 49 57 2182.0 -36.61 74.18
 51.41 23 6 52 4226.47 -32.23 194.37 62.86 54.43 24 17 19 3626.5 -36.63 186.68
 128.59 7 3 35 2781.96 -32.21 81.87 62.85 54.41 7 49 57 2182.0 -36.61 74.18

MID-COURSE EXECUTION ACCURACY
 SGT 566.7 SGR 4677.2 SG3 410.8
 RRT .1904 RRF .9992 RTF .1758
 SGB 4711.4 R23 .0175 R13 .9992
 SG1 4678.4 SG2 556.2 TMA 88.66

ORBIT DETERMINATION ACCURACY
 ST 500.2 SR 1329.6 SS 775.5
 CRT -.0737 CRS -.9949 CST .1740
 LSA 1538.6 MSA 502.0 SSA 3.0
 EL1 1330.2 EL2 498.6 ALF 91.85

DIFFERENTIAL CORRECTIONS
 TDE .3644 TRA .0178 TC3 -.3166 BAU .4405
 RDE -.0926 RRA 2.2111 RC3-1.8628 FAU .04094
 FDE -.1935 FRA 2.2232 FC3-2.0325 BSP 14600
 BDE .3760 BRA 2.2111 BC3 1.8895 FSP -1308

LAUNCH DATE MAY 6 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 21 1967

MELIOCENTRIC CONIC
 RL 150.91 LAL .00 LOL 224.79 VL 27.216 GAL 4.01 AZL 85.85 MCA 194.20 SMA 130.35 ECC .17220 INC 4.1531 V1 29.525
 RP 107.98 LAP -1.02 LOP 58.95 VP 37.946 GAP -.84 AZP 94.03 TAL 160.06 TAP 354.26 RCA 107.90 APO 152.79 V2 35.094
 RC 81.139 GL 34.53 GP -61.87 ZAL 64.71 ZAP 86.50 ETS 7.70 ZAE 122.72 ETE 264.51 ZAC 111.46 ETC 351.05 CLP -82.57

PLANETOCENTRIC CONIC
 C3 12.034 VHL 3.469 DLA 36.81 RAL 183.07 RAD 6567.5 VEL 11.551 PTM 2.02 VMP 5.441 DPA -44.62 RAP 132.61 ECC 1.1981
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 65.43 23 42 12 3974.92 -28.55 170.17 46.46 65.70 24 48 26 3374.9 -31.57 162.02
 114.57 5 36 35 2869.08 -28.53 86.93 46.46 65.69 6 24 24 2269.1 -31.56 78.78
 65.43 23 42 12 3974.92 -28.55 170.17 46.46 65.70 24 48 26 3374.9 -31.57 162.02
 114.57 5 36 35 2869.08 -28.53 86.93 46.46 65.69 6 24 24 2269.1 -31.56 78.78
 65.43 23 42 12 3974.92 -28.55 170.17 46.46 65.70 24 48 26 3374.9 -31.57 162.02
 114.57 5 36 35 2869.08 -28.53 86.93 46.46 65.69 6 24 24 2269.1 -31.56 78.78

MID-COURSE EXECUTION ACCURACY
 SGT 851.5 SGR 4484.4 SG3 576.5
 RRT .7879 RRF .9991 RTF .7814
 SGB 4564.5 R23 .0268 R13 .9988
 SG1 4534.9 SG2 518.5 TMA 81.38

ORBIT DETERMINATION ACCURACY
 ST 420.2 SR 1234.1 SS 872.9
 CRT .1906 CRS -.9935 CST -.0775
 LSA 1510.9 MSA 422.7 SSA 4.2
 EL1 1237.0 EL2 411.5 ALF 85.82

DIFFERENTIAL CORRECTIONS
 TDE .2379 TRA .2387 TC3 -.8257 BAU .4631
 RDE -.1258 RRA 1.9635 RC3-2.7572 FAU .06021
 FDE -.3145 FRA 2.8769 FC3-4.3317 BSP 14254
 BDE .2691 BRA 1.9779 BC3 2.8782 FSP -1853

LAUNCH DATE MAY 6 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 23 1967

MELIOCENTRIC CONIC
 RL 150.91 LAL .00 LOL 224.79 VL 27.220 GAL 4.04 AZL 87.21 MCA 197.39 SMA 130.38 ECC .17221 INC 2.7919 V1 29.525
 RP 107.94 LAP -.83 LOP 62.17 VP 37.961 GAP -.40 AZP 92.66 TAL 159.87 TAP 357.26 RCA 107.93 APO 152.83 V2 35.107
 RC 83.336 GL 25.04 GP -56.07 ZAL 61.33 ZAP 89.46 ETS 2.09 ZAE 127.73 ETE 258.03 ZAC 114.15 ETC 350.69 CLP -89.04

PLANETOCENTRIC CONIC
 C3 9.766 VHL 3.125 DLA 28.09 RAL 178.58 RAD 6567.4 VEL 11.452 PTM 1.99 VMP 4.746 DPA -38.71 RAP 134.27 ECC 1.1607
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 55 4 3276.55 -24.95 116.06 36.80 76.16 3 49 41 2676.5 -26.61 107.78
 90.00 1 51 45 3482.08 -20.91 129.76 35.49 70.46 2 49 47 2882.1 -23.38 121.96
 100.00 5 11 48 2835.75 -28.77 84.47 37.65 81.50 5 59 3 2235.7 -29.64 75.77
 100.00 2 17 43 3398.11 -17.31 122.05 33.94 65.24 3 14 21 2798.1 -20.50 114.71
 110.00 7 25 25 2417.53 -34.18 53.23 38.16 89.23 8 5 42 1817.5 -33.90 44.00
 110.00 2 20 35 3389.09 -12.53 118.69 31.26 57.93 3 17 4 2789.1 -16.68 112.04

MID-COURSE EXECUTION ACCURACY
 SGT 1291.3 SGR 4232.2 SG3 737.5
 RRT .9203 RRF .9989 RTF .9164
 SGB 4424.8 R23 .0388 R13 .9982
 SG1 4398.1 SG2 486.0 TMA 74.12

ORBIT DETERMINATION ACCURACY
 ST 358.4 SR 1173.6 SS 1006.4
 CRT .4793 CRS -.9917 CST -.3624
 LSA 1550.9 MSA 336.5 SSA 5.9
 EL1 1187.0 EL2 311.0 ALF 81.05

DIFFERENTIAL CORRECTIONS
 TDE .1304 TRA .4260 TC3-1.4544 BAU .4683
 RDE -.2134 RRA 1.7719 RC3-3.2786 FAU .07775
 FDE -.8091 FRA 3.5050 FC3-6.8931 BSP 13782
 BDE .2501 BRA 1.8224 BC3 3.9867 FSP -2377

LAUNCH DATE MAY 6 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 25 1967

MELIOCENTRIC CONIC
 RL 150.91 LAL .00 LOL 224.79 VL 27.222 GAL 4.09 AZL 88.16 MCA 200.60 SMA 130.39 ECC .17244 INC 1.8424 V1 29.525
 RP 107.91 LAP -.65 LOP 65.38 VP 37.974 GAP .04 AZP 91.72 TAL 159.64 TAP .24 RCA 107.91 APO 152.88 V2 35.119
 RC 89.546 GL 17.16 GP -50.92 ZAL 59.05 ZAP 93.20 ETS 357.45 ZAE 131.63 ETE 251.21 ZAC 116.75 ETC 350.79 CLP -95.08

PLANETOCENTRIC CONIC
 C3 8.780 VHL 2.980 DLA 20.72 RAL 175.43 RAD 6567.3 VEL 11.408 PTM 1.97 VMP 4.312 DPA -33.34 RAP 135.04 ECC 1.1442
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 12 1 2744.75 -27.94 77.80 30.65 94.81 5 57 46 2144.7 -26.98 69.27
 90.00 23 5 49 3971.68 -7.27 159.18 26.34 62.56 24 12 0 3371.7 -10.89 152.37
 100.00 6 47 5 2438.21 -29.18 55.11 30.51 96.81 7 27 43 1838.2 -27.93 46.53
 100.00 0 17 22 3753.55 -6.17 142.54 25.74 60.69 1 19 55 3153.5 -107.03 135.88
 110.00 8 24 28 2133.53 -32.26 31.37 29.92 101.97 9 0 1 1533.5 -30.27 22.72
 110.00 0 56 28 3630.89 -3.51 131.60 24.10 55.98 1 56 59 3030.9 -7.95 125.33

MID-COURSE EXECUTION ACCURACY
 SGT 1758.7 SGR 3935.2 SG3 878.6
 RRT .9594 RRF .9987 RTF .9564
 SGB 4310.3 R23 .0521 R13 .9973
 SG1 4286.2 SG2 455.5 TMA 66.51

ORBIT DETERMINATION ACCURACY
 ST 376.9 SR 1151.2 SS 1184.5
 CRT .8201 CRS -.9911 CST -.7368
 LSA 1674.6 MSA 257.3 SSA 7.9
 EL1 1193.3 EL2 208.0 ALF 74.49

DIFFERENTIAL CORRECTIONS
 TDE .0168 TRA .6018 TC3-2.0970 BAU .4712
 RDE -.2964 RRA 1.6043 RC3-3.4335 FAU .09282
 FDE -1.0014 FRA 4.0509 FC3-9.1535 BSP 13368
 BDE .2969 BRA 1.7135 BC3 4.0232 FSP -2843

LAUNCH DATE MAY 6 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 468.229
 RL 150.91 LAL .00 LOL 224.79 VL 27.221 GAL 4.15 AZL 88.86 MCA 203.81 SMA 130.39 ECC .17290 INC 1.1392 V1 29.525
 RP 107.87 LAP -.46 LOP 68.60 VP 37.985 GAP .47 ATP 91.04 TAL 159.38 TAP 3.20 RCA 107.84 APO 152.93 V2 35.131
 RC 87.767 GL 10.77 GP -46.28 ZAL 57.53 ZAP 97.44 ETS 353.63 ZAE 134.50 ETE 244.04 ZAC 119.22 ETC 351.26 CLP-100.81

PLANETOCENTRIC CONIC

C3 8.350 VML 2.890 DLA 14.67 RAL 173.22 RAD 6567.3 VEL 11.390 PTM 1.97 VMP 4.037 DPA -28.42 RAP 135.30 ECC 1.1374
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 5 9 2500.94 -25.33 60.46 25.62 103.10 6 46 50 1900.9 -23.28 52.40
 90.00 21 55 0 4197.31 -.05 171.83 22.19 61.68 23 4 57 3597.3 -3.83 165.20
 100.00 7 34 23 2213.19 -26.28 39.04 25.36 104.78 8 11 16 1613.2 -24.00 30.98
 100.00 23 8 28 3960.30 .81 153.93 21.71 60.12 24 14 28 3360.3 -3.17 147.40
 110.00 9 0 14 1944.53 -28.77 17.77 24.50 109.31 9 32 39 1344.5 -25.86 9.80
 110.00 0 3 1 3801.73 3.02 140.52 20.33 55.93 1 6 23 3201.7 -1.48 134.32

DIFFERENTIAL CORRECTIONS

TDE -.1085 TRA .7704 TC3-2.6890 BAU .4786
 RDE -.3591 RRA 1.4526 RC3-3.3394 FAU .10453
 FDE -1.4470 FRA 4.4874 FC-10.8381 BSP 13171
 BDE .3751 BRA 1.6443 BC3 4.2875 FSP -3242

MID-COURSE EXECUTION ACCURACY

SGT 2225.8 SGR 3618.8 SG3 992.9
 RRT .9750 RRF .9983 RTF .9724
 SGB 4248.6 R23 .0646 R13 .9962
 SGI 4227.4 SG2 423.7 TMA 58.70

ORBIT DETERMINATION ACCURACY

ST 522.3 SR 1143.7 SS 1389.9
 CRT .9691 CRS -.9913 CST -.9928
 LSA 1863.6 MSA 199.0 SSA 10.2
 EL1 1251.8 EL2 117.7 ALF 65.90

LAUNCH DATE MAY 6 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 474.549
 RL 150.91 LAL .00 LOL 224.79 VL 27.219 GAL 4.23 AZL 89.41 MCA 207.03 SMA 130.37 ECC .17357 INC .5941 V1 29.525
 RP 107.83 LAP -.27 LOP 71.82 VP 37.994 GAP .90 ATP 90.53 TAL 159.09 TAP 6.11 RCA 107.74 APO 153.00 V2 35.143
 RC 89.996 GL 5.63 GP -42.07 ZAL 56.47 ZAP 101.98 ETS 350.51 ZAE 136.40 ETE 236.75 ZAC 121.50 ETC 352.06 CLP-106.24

PLANETOCENTRIC CONIC

C3 8.254 VML 2.873 DLA 9.72 RAL 171.66 RAD 6567.3 VEL 11.386 PTM 1.97 VMP 3.869 DPA -23.91 RAP 135.30 ECC 1.1358
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 40 55 2331.21 -22.22 49.01 22.42 108.02 7 19 46 1731.2 -19.55 41.35
 90.00 21 6 49 4362.74 5.27 181.08 20.05 62.14 22 19 32 3762.7 1.50 174.43
 100.00 8 7 3 2053.42 -23.06 28.27 22.11 109.57 8 41 16 1453.4 -20.18 20.65
 100.00 22 23 23 4115.76 6.05 162.49 19.62 60.67 23 31 58 3515.8 2.10 155.94
 110.00 9 26 10 1805.82 -25.29 8.49 21.14 113.80 9 56 16 1205.8 -21.85 1.03
 110.00 23 20 44 3936.13 8.10 147.61 18.36 56.68 24 26 21 3336.1 3.66 141.33

DIFFERENTIAL CORRECTIONS

TDE -.2421 TRA .9352 TC3-3.1892 BAU .4885
 RDE -.3919 RRA 1.3163 RC3-3.0703 FAU .11204
 FDE -1.8694 FRA 4.8121 FC-11.7516 BSP 13047
 BDE .4607 BRA 1.6147 BC3 4.4269 FSP -3509

MID-COURSE EXECUTION ACCURACY

SGT 2678.0 SGR 3288.9 SG3 1073.2
 RRT .9821 RRF .9977 RTF .9799
 SGB 4241.3 R23 .0745 R13 .9949
 SGI 4223.0 SG2 392.9 TMA 50.95

ORBIT DETERMINATION ACCURACY

ST 747.2 SR 1119.0 SS 1584.8
 CRT .9972 CRS -.9913 CST -.9794
 LSA 2072.5 MSA 163.4 SSA 12.5
 EL1 1344.7 EL2 46.1 ALF 56.29

LAUNCH DATE MAY 6 1967

FLIGHT TIME 178.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 480.850
 RL 150.91 LAL .00 LOL 224.79 VL 27.214 GAL 4.32 AZL 89.84 MCA 210.25 SMA 130.34 ECC .17446 INC .1564 V1 29.525
 RP 107.80 LAP -.08 LOP 75.04 VP 38.001 GAP 1.33 ATP 90.14 TAL 158.75 TAP 9.00 RCA 107.60 APO 153.08 V2 35.154
 RC 92.232 GL 1.48 GP -38.23 ZAL 55.68 ZAP 106.63 ETS 347.99 ZAE 137.43 ETE 229.62 ZAC 123.53 ETC 353.16 CLP-111.36

PLANETOCENTRIC CONIC

C3 8.344 VML 2.889 DLA 5.66 RAL 170.59 RAD 6567.3 VEL 11.390 PTM 1.97 VMP 3.779 DPA -19.81 RAP 135.18 ECC 1.1373
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 8 16 2203.39 -19.30 40.77 20.51 111.14 7 44 59 1603.4 -16.25 33.42
 90.00 20 30 55 4494.62 9.40 188.57 19.09 63.17 21 45 50 3894.6 5.72 181.82
 100.00 8 32 17 1932.38 -20.09 20.50 20.17 112.61 9 4 30 1332.4 -16.85 13.21
 100.00 21 49 35 4240.85 10.16 169.51 18.69 61.74 23 0 16 3640.9 6.30 162.84
 110.00 9 46 40 1699.60 -22.20 1.79 19.13 116.69 10 15 0 1099.6 -18.44 354.68
 110.00 22 51 41 4046.40 12.17 153.56 17.49 57.81 23 59 8 3446.4 7.83 147.15

DIFFERENTIAL CORRECTIONS

TDE -.3841 TRA 1.0933 TC3-3.5990 BAU .5090
 RDE -.4056 RRA 1.1890 RC3-2.7458 FAU .11637
 FDE -2.2577 FRA 5.0062 FC-12.0738 BSP 13199
 BDE .5586 BRA 1.6152 BC3 4.5269 FSP -3694

MID-COURSE EXECUTION ACCURACY

SGT 3106.8 SGR 2963.1 SG3 1120.8
 RRT .9858 RRF .9968 RTF .9840
 SGB 4293.3 R23 .0799 R13 .9936
 SGI 4278.1 SG2 360.8 TMA 43.62

ORBIT DETERMINATION ACCURACY

ST 1005.8 SR 1074.7 SS 1760.3
 CRT .9997 CRS -.9910 CST -.9926
 LSA 2290.0 MSA 145.1 SSA 14.1
 EL1 1471.8 EL2 16.9 ALF 46.90

LAUNCH DATE MAY 6 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 487.132
 RL 150.91 LAL .00 LOL 224.79 VL 27.208 GAL 4.42 AZL 90.20 MCA 213.47 SMA 130.30 ECC .17557 INC .2022 V1 29.525
 RP 107.77 LAP .11 LOP 78.27 VP 38.007 GAP 1.76 ATP 89.83 TAL 158.37 TAP 11.85 RCA 107.42 APO 153.17 V2 35.165
 RC 94.474 GL -1.88 GP -34.75 ZAL 55.01 ZAP 111.24 ETS 345.99 ZAE 137.72 ETE 222.97 ZAC 125.26 ETC 354.51 CLP-116.17

PLANETOCENTRIC CONIC

C3 8.555 VML 2.925 DLA 2.31 RAL 169.89 RAD 6567.3 VEL 11.399 PTM 1.97 VMP 3.748 DPA -16.11 RAP 135.05 ECC 1.1408
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 30 40 2103.26 -16.72 34.55 19.48 113.19 8 5 43 1503.3 -13.44 27.41
 90.00 20 2 56 4604.16 12.69 194.93 18.89 64.47 21 19 40 4004.2 9.15 188.04
 100.00 8 53 5 1837.42 -17.50 14.64 19.12 114.63 9 23 42 1237.4 -14.03 7.57
 100.00 21 23 12 4345.23 13.45 175.50 18.50 63.05 22 35 37 3745.2 9.73 168.69
 110.00 10 3 47 1616.10 -19.56 356.75 18.03 118.61 10 30 43 1016.1 -15.59 349.88
 110.00 22 28 58 4139.32 15.48 158.72 17.35 59.13 23 37 58 3539.3 11.27 152.14

DIFFERENTIAL CORRECTIONS

TDE -.5303 TRA 1.2467 TC3-3.9152 BAU .5254
 RDE -.4009 RRA 1.0742 RC3-2.4826 FAU .11733
 FDE -2.5772 FRA 5.0933 FC-11.8728 BSP 13516
 BDE .6648 BRA 1.6456 BC3 4.5936 FSP -3775

MID-COURSE EXECUTION ACCURACY

SGT 3506.9 SGR 2650.8 SG3 1137.8
 RRT .9877 RRF .9955 RTF .9864
 SGB 4396.0 R23 .0796 R13 .9926
 SGI 4383.5 SG2 331.6 TMA 36.99

ORBIT DETERMINATION ACCURACY

ST 1273.4 SR 1008.7 SS 1902.1
 CRT .9980 CRS -.9899 CST -.9967
 LSA 2497.6 MSA 137.3 SSA 15.0
 EL1 1623.7 EL2 50.6 ALF 38.37

LAUNCH DATE MAY 6 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC
 RL 150.91 LAL .00 LOL 224.79 VL 27.200 GAL 4.54 AZL 90.51 MCA 216.70 SMA 150.24 ECC .17688 INC .5064 V1 29.525
 RP 107.73 LAP .30 LOP 81.49 VP 38.011 GAP 2.19 ATP 89.59 TAL 157.96 TAP 14.66 RCA 107.21 APO 153.28 V2 35.175
 RC 96.719 GL -4.62 GP -31.60 ZAL 54.40 ZAP 115.73 ETS 344.42 ZAE 137.43 ETE 216.99 ZAC 126.64 ETC 356.04 CLP-120.65

PLANETOCENTRIC CONIC
 C3 8.854 VML 2.975 OLA -.50 RAL 169.48 RAD 6567.3 VEL 11.412 PTH 1.98 VMP 3.762 DPA -12.80 RAP 134.93 ECC 1.1457
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 49 50 2022.84 -14.50 29.69 19.09 114.59 8 23 32 1422.8 -11.06 22.70
 90.00 19 40 30 4697.63 15.37 200.49 19.22 65.92 20 58 48 4097.6 11.98 193.45
 100.00 9 10 56 1761.20 -15.26 10.07 18.71 116.01 9 40 17 1161.2 -11.66 3.15
 100.00 21 2 5 4434.50 16.14 180.77 18.85 64.49 22 15 59 3834.5 12.58 173.79
 110.00 10 18 39 1549.24 -17.34 352.85 17.57 119.93 10 44 28 949.2 -13.22 346.15
 110.00 22 10 51 4219.23 18.21 163.30 17.72 60.56 23 21 10 3619.2 14.15 156.54

MID-COURSE EXECUTION ACCURACY
 SGT 3876.0 SGR 2360.2 SG3 1129.5
 RRT .9883 RRF .9937 RTF .9878
 SGB 4538.1 R23 .0736 R13 .9917
 SGI 4527.6 SG2 308.5 TMA 31.20

ORBIT DETERMINATION ACCURACY
 ST 1537.8 SR 927.8 SS 2009.5
 CRT .9952 CRS -.9881 CST -.9983
 LSA 2691.7 MSA 135.4 SSA 15.4
 EL1 1794.3 EL2 77.9 ALF 31.05

DIFFERENTIAL CORRECTIONS
 TOE -.6789 TRA 1.3962 TC3-4.1455 BAU .5486
 ROE -.3831 RRA .9721 RC3-2.0731 FAU .11551
 FDE-2.8218 FRA 5.0935 FC-11.2950 BSP 13974
 BOE .7795 BRA 1.7013 BC3 4.6350 FSP -3770

LAUNCH DATE MAY 6 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC
 RL 150.91 LAL .00 LOL 224.79 VL 27.191 GAL 4.67 AZL 90.77 MCA 219.93 SMA 130.18 ECC .17841 INC .7678 V1 29.525
 RP 107.70 LAP .49 LOP 84.72 VP 38.013 GAP 2.62 ATP 89.41 TAL 157.51 TAP 17.44 RCA 106.95 APO 153.40 V2 35.185
 RC 98.967 GL -6.87 GP -28.77 ZAL 53.79 ZAP 120.02 ETS 343.18 ZAE 136.73 ETE 211.79 ZAC 127.68 ETC 357.67 CLP-124.80

PLANETOCENTRIC CONIC
 C3 9.222 VML 3.037 OLA -2.87 RAL 169.31 RAD 6567.3 VEL 11.429 PTH 1.98 VMP 3.813 DPA -9.85 RAP 135.04 ECC 1.1518
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 6 44 1957.16 -12.61 25.80 19.17 115.57 8 39 22 1357.2 -9.06 18.92
 90.00 19 22 13 4779.03 17.56 205.46 19.94 67.42 20 41 52 4179.0 14.75 198.25
 100.00 9 26 45 1699.08 -13.39 6.43 18.77 116.98 9 55 4 1099.1 -9.66 359.62
 100.00 20 44 54 4512.34 18.36 185.48 19.58 65.99 22 0 6 3912.3 14.96 178.34
 110.00 10 31 55 1495.05 -15.47 349.76 17.58 120.87 10 56 50 895.0 -11.26 343.18
 110.00 21 56 13 4289.14 20.50 167.44 18.48 62.03 23 7 42 3689.1 16.60 160.48

MID-COURSE EXECUTION ACCURACY
 SGT 4213.5 SGR 2095.4 SG3 1101.4
 RRT .9878 RRF .9912 RTF .9887
 SGB 4705.7 R23 .0831 R13 .9911
 SGI 4696.6 SG2 293.3 TMA 26.27

ORBIT DETERMINATION ACCURACY
 ST 1791.9 SR 838.8 SS 2084.7
 CRT .9917 CRS -.9852 CST -.9990
 LSA 2870.8 MSA 136.6 SSA 15.6
 EL1 1976.0 EL2 97.9 ALF 24.97

DIFFERENTIAL CORRECTIONS
 TOE -.8280 TRA 1.5427 TC3-4.2998 BAU .5734
 ROE -.3565 RRA .8024 RC3-1.7730 FAU .11154
 FDE-2.9936 FRA 5.0267 FC-10.4712 BSP 14530
 BOE .9014 BRA 1.7772 BC3 4.6510 FSP -3695

LAUNCH DATE MAY 6 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC
 RL 150.91 LAL .00 LOL 224.79 VL 27.180 GAL 4.82 AZL 91.00 MCA 223.16 SMA 130.10 ECC .18016 INC .9963 V1 29.525
 RP 107.67 LAP .68 LOP 87.95 VP 38.014 GAP 3.04 ATP 89.27 TAL 157.03 TAP 20.19 RCA 106.66 APO 153.54 V2 35.195
 RC 101.218 GL -8.72 GP -26.24 ZAL 53.16 ZAP 124.08 ETS 342.20 ZAE 135.75 ETE 207.38 ZAC 128.37 ETC 359.34 CLP-128.66

PLANETOCENTRIC CONIC
 C3 9.652 VML 3.107 OLA -4.89 RAL 169.33 RAD 6567.3 VEL 11.447 PTH 1.99 VMP 3.893 DPA -7.27 RAP 135.23 ECC 1.1589
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 22 1 1902.91 -10.99 22.63 19.60 116.26 8 53 44 1302.9 -7.37 15.82
 90.00 19 7 9 4851.11 19.39 209.96 20.97 68.95 20 28 0 4251.1 16.35 202.60
 100.00 9 41 3 1647.93 -11.79 3.47 19.19 117.67 10 8 31 1047.9 -7.99 356.74
 100.00 20 30 47 4581.32 20.22 189.77 20.62 67.50 21 47 9 3981.3 16.99 182.46
 110.00 10 44 1 1450.79 -13.91 347.28 17.95 121.55 11 8 12 850.8 -9.63 340.78
 110.00 21 44 19 4351.22 22.43 171.21 19.53 63.50 22 56 50 3751.2 18.69 164.08

MID-COURSE EXECUTION ACCURACY
 SGT 4518.2 SGR 1857.6 SG3 1058.6
 RRT .9860 RRF .9876 RTF .9890
 SGB 4885.2 R23 .0503 R13 .9905
 SGI 4876.8 SG2 286.7 TMA 22.15

ORBIT DETERMINATION ACCURACY
 ST 2028.3 SR 745.4 SS 2126.6
 CRT .9868 CRS -.9806 CST -.9993
 LSA 3028.6 MSA 139.6 SSA 15.7
 EL1 2158.0 EL2 113.5 ALF 19.99

DIFFERENTIAL CORRECTIONS
 TOE -.9741 TRA 1.6897 TC3-4.3796 BAU .5976
 ROE -.3230 RRA .8055 RC3-1.5040 FAU .10571
 FDE-3.0902 FRA 4.9198 FC3-9.4814 BSP 15087
 BOE 1.0262 BRA 1.8719 BC3 4.6307 FSP -3554

LAUNCH DATE MAY 6 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC
 RL 150.91 LAL .00 LOL 224.79 VL 27.168 GAL 4.98 AZL 91.20 MCA 226.40 SMA 130.02 ECC .18212 INC 1.1988 V1 29.525
 RP 107.65 LAP .87 LOP 91.18 VP 38.013 GAP 3.47 ATP 89.17 TAL 156.51 TAP 22.90 RCA 106.34 APO 153.70 V2 35.204
 RC 103.470 GL -10.24 GP -23.98 ZAL 52.50 ZAP 127.88 ETS 341.42 ZAE 134.62 ETE 203.68 ZAC 128.73 ETC .99 CLP-132.23

PLANETOCENTRIC CONIC
 C3 10.141 VML 3.184 OLA -6.63 RAL 169.52 RAD 6567.4 VEL 11.469 PTH 1.99 VMP 3.999 DPA -5.02 RAP 135.57 ECC 1.1669
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 36 2 1857.80 -9.62 20.03 20.32 116.76 9 6 59 1257.8 -5.95 13.27
 90.00 18 54 38 4915.82 20.91 214.09 22.23 70.46 20 16 34 4315.8 18.06 206.58
 100.00 9 54 12 1805.58 -10.44 1.05 19.89 118.17 10 20 58 1005.6 -6.59 354.38
 100.00 20 19 8 4843.27 21.78 193.70 21.89 69.01 21 36 32 4043.3 18.73 186.24
 110.00 10 55 13 1414.55 -12.61 345.27 18.61 122.04 11 18 48 814.5 -8.28 338.84
 110.00 21 34 37 4407.07 24.09 174.71 20.83 64.98 22 48 4 3807.1 20.51 167.39

MID-COURSE EXECUTION ACCURACY
 SGT 4795.7 SGR 1648.6 SG3 1007.3
 RRT .9831 RRF .9826 RTF .9892
 SGB 5071.2 R23 .0362 R13 .9901
 SGI 5063.1 SG2 285.6 TMA 18.74

ORBIT DETERMINATION ACCURACY
 ST 2251.4 SR 655.6 SS 2149.2
 CRT .9801 CRS -.9740 CST -.9995
 LSA 3177.5 MSA 143.2 SSA 15.6
 EL1 2341.5 EL2 125.0 ALF 15.98

DIFFERENTIAL CORRECTIONS
 TOE -1.1210 TRA 1.8339 TC3-4.4121 BAU .6227
 ROE -.2880 RRA .7379 RC3-1.2782 FAU .09937
 FDE-3.1410 FRA 4.7745 FC3-8.4830 BSP 15732
 BOE 1.1574 BRA 1.9768 BC3 4.5935 FSP -3399

LAUNCH DATE MAY 6 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 518.234

RL 150.91 LAL .00 LOL 224.79 VL 27.155 GAL 5.16 AZL 91.38 MCA 229.63 SMA 129.93 ECC -18431 INC 1.3807 V1 29.525
 RP 107.62 LAP 1.05 LOP 94.42 VP 38.011 GAP 3.90 AZP 89.11 TAL 155.95 TAP 25.58 RCA 105.98 APO 155.87 V2 35.212
 RC 105.723 GL -11.50 GP -21.98 ZAL 51.80 ZAP 131.43 ETS 340.79 ZAE 133.41 ETE 200.62 ZAC 128.78 ETC 2.55 CLP-135.53

PLANETOCENTRIC CONIC

C3 10.687 VML 3.269 OLA -8.14 RAL 169.85 RAD 6567.4 VEL 11.492 PTM 2.00 VMP 4.126 OPA -3.08 RAP 136.07 ECC 1.1759
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 49 3 1820.20 -8.46 17.88 21.27 117.12 9 19 23 1220.2 -4.76 11.15
 90.00 18 44 14 4974.62 22.20 217.92 23.70 71.96 20 7 8 4374.6 19.53 210.27
 100.00 10 6 27 1570.48 -9.30 359.06 20.82 118.54 10 32 38 970.5 -5.42 352.43
 100.00 20 9 30 4699.57 23.11 197.36 23.37 70.49 21 27 50 4099.6 20.24 189.74
 110.00 11 5 43 1384.91 -11.53 343.65 19.49 122.40 11 28 48 784.9 -7.17 337.27
 110.00 21 26 44 4457.90 25.51 177.97 22.33 66.44 22 41 2 3857.9 22.10 170.47

DIFFERENTIAL CORRECTIONS

TOE-1.2660 TRA 1.9792 TC3-4.3963 BAU .6470
 ROE -.2517 RRA .6801 RC3-1.0867 FAU .09254
 FDE-3.1475 FRA 4.6129 FC3-7.4960 BSP 16374
 BOE 1.2908 BRA 2.0928 BC3 4.5286 FSP -3224

MID-COURSE EXECUTION ACCURACY

SGT 5046.2 SGR 1466.1 SG3 951.0
 RRT .9787 RRF .9760 RTF .9892
 SGB 5254.9 R23 .0226 R13 .9897
 SGI 5246.9 SG2 289.5 THA 15.92

ORBIT DETERMINATION ACCURACY

ST 2456.8 SR 570.5 SS 2152.1
 CRT .9705 CRS -.9642 CST -.9996
 LSA 3312.2 MSA 147.2 SSA 15.5
 EL1 2518.6 EL2 134.2 ALF 12.74

LAUNCH DATE MAY 6 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 524.386

RL 150.91 LAL .00 LOL 224.79 VL 27.140 GAL 5.36 AZL 91.55 MCA 232.87 SMA 129.82 ECC -18672 INC 1.5461 V1 29.525
 RP 107.60 LAP 1.23 LOP 97.65 VP 38.008 GAP 4.34 AZP 89.07 TAL 155.37 TAP 28.24 RCA 105.58 APO 154.07 V2 35.220
 RC 107.975 GL -12.93 GP -20.20 ZAL 51.05 ZAP 134.74 ETS 340.25 ZAE 132.20 ETE 198.09 ZAC 128.56 ETC 4.01 CLP-138.59

PLANETOCENTRIC CONIC

C3 11.295 VML 3.361 OLA -9.46 RAL 170.30 RAD 6567.4 VEL 11.519 PTM 2.01 VMP 4.271 OPA -1.41 RAP 136.72 ECC 1.1859
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 1.16 1788.92 -7.48 16.10 22.43 117.39 9 31 5 1188.9 -3.76 9.40
 90.00 18 35 35 5028.58 23.30 221.50 25.33 73.43 19 59 23 4428.6 20.81 213.71
 100.00 10 17 58 1541.47 -8.36 357.43 21.96 118.80 10 43 40 941.5 -4.45 350.82
 100.00 20 1 34 4751.26 24.24 200.78 25.01 71.95 21 20 45 4151.3 21.55 193.02
 110.00 11 15 39 1360.85 -10.65 342.34 20.57 122.68 11 38 20 760.9 -6.27 335.99
 110.00 21 20 22 4504.64 26.75 181.04 24.00 67.87 22 35 27 3904.6 23.51 173.38

DIFFERENTIAL CORRECTIONS

TOE-1.4090 TRA 2.1270 TC3-4.3402 BAU .6701
 ROE -.2151 RRA .6310 RC3 -.9249 FAU .08549
 FDE-5.1194 FRA 4.4461 FC3-6.5527 BSP 17003
 BOE 1.4253 BRA 2.2186 BC3 4.4377 FSP -3039

MID-COURSE EXECUTION ACCURACY

SGT 5272.1 SGR 1307.8 SG3 892.6
 RRT .9723 RRF .9673 RTF .9891
 SGB 5431.9 R23 .0108 R13 .9893
 SGI 5423.8 SG2 297.2 THA 13.60

ORBIT DETERMINATION ACCURACY

ST 2644.6 SR 491.9 SS 2139.3
 CRT .9560 CRS -.9494 CST -.9997
 LSA 3433.5 MSA 151.4 SSA 15.5
 EL1 2686.2 EL2 142.1 ALF 10.11

LAUNCH DATE MAY 6 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 530.513

RL 150.91 LAL .00 LOL 224.79 VL 27.124 GAL 5.57 AZL 91.70 MCA 236.11 SMA 129.72 ECC -18938 INC 1.6979 V1 29.525
 RP 107.58 LAP 1.41 LOP 100.89 VP 38.003 GAP 4.78 AZP 89.05 TAL 154.75 TAP 30.86 RCA 105.15 APO 154.28 V2 35.227
 RC 110.226 GL -13.37 GP -18.62 ZAL 50.27 ZAP 137.81 ETS 339.77 ZAE 131.01 ETE 196.00 ZAC 128.10 ETC 5.34 CLP-141.43

PLANETOCENTRIC CONIC

C3 11.967 VML 3.459 OLA -10.62 RAL 170.85 RAD 6567.5 VEL 11.548 PTM 2.02 VMP 4.432 OPA -.00 RAP 137.52 ECC 1.1969
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 12 49 1763.08 -6.67 14.63 23.75 117.58 9 42 12 1163.1 -2.93 7.95
 90.00 18 28 25 5078.55 24.23 224.87 27.12 74.87 19 53 4 4478.6 21.92 216.96
 100.00 10 28 52 1517.72 -7.58 356.10 23.26 119.00 10 54 9 917.7 -3.65 349.51
 100.00 19 55 3 4799.14 25.21 204.01 26.81 73.39 21 15 3 4199.1 22.70 196.11
 110.00 11 25 6 1341.61 -9.94 341.31 21.82 122.88 11 47 27 741.6 -5.54 334.98
 110.00 21 15 18 4548.02 27.82 183.95 25.82 69.29 22 31 6 3948.0 24.75 176.13

DIFFERENTIAL CORRECTIONS

TOE-1.5498 TRA 2.2787 TC3-4.2503 BAU .6916
 ROE -.1791 RRA .5892 RC3 -.7892 FAU .07851
 FDE-3.0656 FRA 4.2803 FC3-5.6798 BSP 17592
 BOE 1.5601 BRA 2.3536 BC3 4.3229 FSP -2849

MID-COURSE EXECUTION ACCURACY

SGT 5475.5 SGR 1171.3 SG3 834.3
 RRT .9635 RRF .9560 RTF .9889
 SGB 5599.4 R23 .0008 R13 .9889
 SGI 5591.0 SG2 307.0 THA 11.68

ORBIT DETERMINATION ACCURACY

ST 2815.0 SR 420.7 SS 2114.0
 CRT .9339 CRS -.9268 CST -.9998
 LSA 3541.9 MSA 155.7 SSA 15.4
 EL1 2842.3 EL2 148.9 ALF 7.97

LAUNCH DATE MAY 6 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 536.614

RL 150.91 LAL .00 LOL 224.79 VL 27.107 GAL 5.80 AZL 91.84 MCA 239.35 SMA 129.60 ECC -19227 INC 1.8386 V1 29.525
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.998 GAP 5.22 AZP 89.06 TAL 154.10 TAP 33.45 RCA 104.68 APO 154.52 V2 35.233
 RC 112.475 GL -14.05 GP -17.23 ZAL 49.44 ZAP 140.66 ETS 339.32 ZAE 129.88 ETE 194.27 ZAC 127.42 ETC 6.52 CLP-144.07

PLANETOCENTRIC CONIC

C3 12.709 VML 3.565 OLA -11.63 RAL 171.49 RAD 6567.5 VEL 11.580 PTM 2.03 VMP 4.608 OPA 1.18 RAP 138.46 ECC 1.2092
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 23 46 1742.01 -6.01 13.44 25.21 117.72 9 52 48 1142.0 -2.25 6.78
 90.00 18 22 34 5125.20 25.02 228.05 29.03 76.28 19 47 59 4525.2 22.88 220.03
 100.00 10 39 13 1498.58 -6.94 355.03 24.70 119.15 11 4 11 898.6 -3.00 348.46
 100.00 19 49 48 4843.85 26.03 207.07 28.74 74.79 21 10 31 4243.9 23.71 199.05
 110.00 11 34 8 1326.60 -9.38 340.50 23.22 123.02 11 56 14 726.6 -4.97 334.19
 110.00 21 11 22 4588.61 28.77 186.73 27.78 70.69 22 27 50 3988.6 25.87 178.76

DIFFERENTIAL CORRECTIONS

TOE-1.8881 TRA 2.4384 TC3-4.1242 BAU .7100
 ROE -.1431 RRA .5543 RC3 -.6729 FAU .07144
 FDE-2.9875 FRA 4.1258 FC3-4.8663 BSP 18080
 BOE 1.8922 BRA 2.5006 BC3 4.1787 FSP -2650

MID-COURSE EXECUTION ACCURACY

SGT 5656.8 SGR 1053.8 SG3 777.2
 RRT .9518 RRF .9417 RTF .9885
 SGB 5754.1 R23 -.0068 R13 .9885
 SGI 5745.3 SG2 318.4 THA 10.09

ORBIT DETERMINATION ACCURACY

ST 2965.1 SR 357.2 SS 2075.8
 CRT .8990 CRS -.8913 CST -.9998
 LSA 3633.5 MSA 160.3 SSA 15.3
 EL1 2982.5 EL2 155.5 ALF 6.20

LAUNCH DATE MAY 6 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 542.686

RL 150.91 LAL .00 LOL 224.79 VL 27.090 GAL 6.05 AZL 91.97 MCA 242.59 SMA 129.4N ECC .19542 INC 1.9703 V1 29.525
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.990 GAP 5.67 AZP 89.09 TAL 153.43 TAP 36.02 RCA 104.18 APO 154.78 V2 35.239
 RC 114.720 GL -14.58 GP -15.99 ZAL 48.59 ZAP 143.32 ETS 338.88 ZAE 128.81 ETE 192.84 ZAC 126.56 ETC 7.57 CLP-146.54

PLANETOCENTRIC CONIC

C3 13.530 VHL 3.678 DLA -12.53 RAL 172.20 RAD 6567.5 VEL 11.615 PTH 2.04 VHP 4.797 DPA 2.15 RAP 139.53 ECC 1.2227
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 34 11 1725.21 -5.47 12.49 26.81 117.83 10 2 56 1125.2 -1.71 5.84
 90.00 18 17 49 5169.02 25.69 231.09 31.06 77.66 19 43 58 4569.0 23.73 222.96
 100.00 10 49 5 1483.57 -6.44 354.20 26.28 119.25 11 13 48 883.6 -2.50 347.63
 100.00 19 45 37 4885.89 26.77 209.98 30.78 76.17 21 7 3 4283.9 24.60 201.85
 110.00 11 42 47 1315.36 -8.97 339.90 24.74 123.12 12 4 43 715.4 -4.54 333.60
 110.00 21 8 24 4626.86 29.60 189.40 29.86 72.07 22 25 30 4026.9 26.87 181.28

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.8244 TRA 2.6008 TC3-3.9855 BAU .7284 SGT 5822.0 SGR 953.2 SG3 723.2 ST 3103.8 SR 303.4 SS 2035.7
 RDE -.1093 RRA .5239 RC3 -.5778 FAU .06505 RRT .9369 RRF .9240 RTF .9881 CRT .8465 CRS -.8380 CST -.9998
 FDE-2.9067 FRA 3.9725 FC3-4.1625 BSP 18614 SGB 5899.5 R23 -.0138 R13 .9880 LSA 3720.6 MSA 164.5 SSA 15.2
 BOE 1.8277 BRA 2.6530 BC3 4.0272 FSP -2476 SGI 5890.3 SG2 329.3 TMA 8.75 EL1 3114.5 EL2 161.0 ALF 4.74

LAUNCH DATE MAY 6 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 548.728

RL 150.91 LAL .00 LOL 224.79 VL 27.071 GAL 6.31 AZL 92.09 MCA 245.83 SMA 129.35 ECC .19884 INC 2.0945 V1 29.525
 RP 107.52 LAP 1.91 LOP 110.61 VP 37.982 GAP 6.12 AZP 89.14 TAL 152.73 TAP 38.56 RCA 103.63 APO 155.07 V2 35.244
 RC 116.961 GL -15.00 GP -14.89 ZAL 47.70 ZAP 145.80 ETS 338.42 ZAE 127.81 ETE 191.64 ZAC 125.54 ETC 8.48 CLP-148.84

PLANETOCENTRIC CONIC

C3 14.436 VHL 3.799 DLA -13.33 RAL 172.97 RAD 6567.6 VEL 11.654 PTH 2.05 VHP 4.999 DPA 2.95 RAP 140.71 ECC 1.2376
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 44 7 1712.28 -5.06 11.77 28.52 117.90 10 12 40 1112.3 -1.29 5.12
 90.00 18 14 5 5210.44 26.26 233.99 33.19 79.01 19 40 55 4610.4 24.48 225.77
 100.00 10 58 30 1472.29 -6.07 353.57 27.97 119.33 11 23 3 872.3 -2.11 347.02
 100.00 19 42 23 4925.66 27.38 212.78 32.93 77.52 21 4 29 4325.7 25.39 204.55
 110.00 11 51 6 1307.56 -8.68 339.48 26.37 123.19 12 12 54 707.6 -4.25 333.19
 110.00 21 6 17 4663.16 30.34 191.97 32.06 73.43 22 24 0 4063.2 27.77 183.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.9618 TRA 2.7703 TC3-3.8297 BAU .7453 SGT 5971.0 SGR 867.1 SG3 672.2 ST 3227.8 SR 258.9 SS 1990.5
 RDE -.0765 RRA .4980 RC3 -.4975 FAU .05902 RRT .9184 RRF .9024 RTF .9877 CRT .7663 CRS -.7570 CST -.9999
 FDE-2.8184 FRA 3.8297 FC3-3.5397 BSP 19111 SGB 6033.7 R23 -.0193 R13 .9876 LSA 3797.3 MSA 168.7 SSA 15.1
 BOE 1.9633 BRA 2.8147 BC3 3.8619 FSP -2309 SGI 6024.1 SG2 340.1 TMA 7.62 EL1 3233.9 EL2 166.0 ALF 3.53

LAUNCH DATE MAY 6 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 554.738

RL 150.91 LAL .00 LOL 224.79 VL 27.052 GAL 6.60 AZL 92.21 MCA 249.08 SMA 129.22 ECC .20254 INC 2.2125 V1 29.525
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.972 GAP 6.59 AZP 89.21 TAL 152.01 TAP 41.09 RCA 103.05 APO 155.40 V2 35.248
 RC 119.197 GL -15.31 GP -13.91 ZAL 46.79 ZAP 148.11 ETS 337.93 ZAE 126.89 ETE 190.63 ZAC 124.38 ETC 9.27 CLP-151.01

PLANETOCENTRIC CONIC

C3 15.438 VHL 3.929 DLA -14.03 RAL 173.81 RAD 6567.6 VEL 11.697 PTH 2.06 VHP 5.213 DPA 3.58 RAP 142.00 ECC 1.2541
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 53 36 1702.92 -4.76 11.24 30.33 117.95 10 21 59 1102.9 -.99 4.60
 90.00 18 11 14 5249.81 26.74 236.77 35.42 80.32 19 38 44 4649.8 25.13 228.47
 100.00 11 7 31 1464.46 -5.81 353.14 29.76 119.37 11 31 55 864.5 -1.85 346.54
 100.00 19 40 0 4963.50 27.91 215.47 35.18 78.84 21 2 44 4363.5 26.09 207.14
 110.00 11 59 6 1302.90 -8.50 339.23 28.11 123.23 12 20 49 702.9 -4.07 332.95
 110.00 21 4 55 4697.82 30.98 194.46 34.36 74.78 22 23 13 4097.8 28.58 186.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.0986 TRA 2.9481 TC3-3.6592 BAU .7604 SGT 6104.8 SGR 793.2 SG3 624.4 ST 3337.6 SR 224.4 SS 1942.2
 RDE -.0447 RRA .4757 RC3 -.4294 FAU .05338 RRT .8957 RRF .8767 RTF .9873 CRT .6480 CRS -.6380 CST -.9999
 FDE-2.7266 FRA 3.6979 FC3-2.9933 BSP 19566 SGB 6156.1 R23 -.0236 R13 .9871 LSA 3864.1 MSA 172.7 SSA 15.0
 BOE 2.0990 BRA 2.9862 BC3 3.6843 FSP -2151 SGI 6146.1 SG2 350.3 TMA 6.66 EL1 3340.7 EL2 170.7 ALF 2.50

LAUNCH DATE MAY 6 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 560.714

RL 150.91 LAL .00 LOL 224.79 VL 27.032 GAL 6.91 AZL 92.33 MCA 252.32 SMA 129.09 ECC .20654 INC 2.3256 V1 29.525
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.961 GAP 7.06 AZP 89.29 TAL 151.27 TAP 43.59 RCA 102.43 APO 155.75 V2 35.252
 RC 121.426 GL -15.53 GP -13.03 ZAL 45.85 ZAP 150.28 ETS 337.38 ZAE 126.03 ETE 189.78 ZAC 123.09 ETC 9.95 CLP-153.05

PLANETOCENTRIC CONIC

C3 16.549 VHL 4.088 DLA -14.65 RAL 174.68 RAD 6567.7 VEL 11.744 PTH 2.07 VHP 5.440 DPA 4.06 RAP 143.38 ECC 1.2723
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 2 40 1696.89 -4.57 10.90 32.24 117.98 10 30 56 1096.9 -.79 4.26
 90.00 18 9 10 5287.39 27.14 239.45 37.74 81.61 19 37 18 4687.4 25.70 231.07
 100.00 11 16 8 1459.83 -5.65 352.88 31.64 119.40 11 40 28 859.8 -1.69 346.33
 100.00 19 38 23 4999.68 28.36 218.06 37.52 80.13 21 1 43 4399.7 26.70 209.65
 110.00 12 6 47 1301.18 -8.44 339.14 29.93 123.25 12 28 28 701.2 -4.00 332.86
 110.00 21 4 13 4731.09 31.55 196.89 36.75 76.11 22 23 5 4131.1 29.32 188.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.2351 TRA 3.1353 TC3-3.4772 BAU .7737 SGT 6224.7 SGR 729.9 SG3 580.0 ST 3434.0 SR 200.4 SS 1891.8
 RDE -.0137 RRA .4563 RC3 -.3711 FAU .04810 RRT .8687 RRF .8467 RTF .9868 CRT .4861 CRS -.4755 CST -.9999
 FDE-2.6336 FRA 3.5770 FC3-2.5186 BSP 19980 SGB 6267.3 R23 -.0271 R13 .9867 LSA 3921.8 MSA 176.5 SSA 14.8
 BOE 2.2352 BRA 3.1683 BC3 3.4969 FSP -2003 SGI 6257.0 SG2 359.7 TMA 5.84 EL1 3435.4 EL2 175.1 ALF 1.63

LAUNCH DATE MAY 6 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 566.653

RL 150.91 LAL .00 LOL 224.79 VL 27.012 GAL 7.25 AFL 92.43 MCA 255.57 SMA 128.95 ECC .21087 INC 2.4347 V1 29.525
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.949 GAP 7.55 ATP 89.39 TAL 150.50 TAP 46.07 RCA 101.76 APO 156.14 V2 35.255
 RC 123.648 GL -15.66 GP -12.25 ZAL 44.90 ZAP 152.32 ETS 336.77 ZAE 125.25 ETE 189.05 ZAC 121.70 ETC 10.52 CLP-154.9H

PLANETOCENTRIC CONIC

C3 17.780 VML 4.217 CLA -15.20 RAL 175.60 RAD 6567.7 VEL 11.797 PTH 2.09 VMP 5.678 DPA 4.41 RAP 144.85 ECC 1.2926
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 11 17 1693.98 -4.48 10.74 34.22 117.99 10 39 31 1094.0 -1.70 4.10
 90.00 18 7 50 5323.43 27.48 242.03 40.14 82.86 19 36 33 4723.4 26.20 233.60
 100.00 11 24 21 1458.22 -5.60 352.79 33.61 119.41 11 48 40 858.2 -1.64 346.24
 100.00 19 37 27 5034.43 28.74 220.58 39.94 81.40 21 1 21 4434.4 27.25 212.09
 110.00 12 14 10 1302.21 -8.48 339.19 31.84 123.24 12 35 52 702.2 -4.04 332.91
 110.00 21 4 8 4763.20 32.05 199.26 39.23 77.43 22 23 31 4163.2 29.99 190.65

DIFFERENTIAL CORRECTIONS

TDE-2.3693 TRA 3.3359 TC3-3.2807 BAU .7835
 ROE .0168 RRA .4396 RC3 -.3202 FAU .04301
 FDE-2.5378 FRA 3.4706 FC3-2.0943 BSP 20292
 BOE 2.3694 BRA 3.3647 BC3 3.2963 FSP -1857

MID-COURSE EXECUTION ACCURACY

SGT 6331.0 SGR 675.7 SG3 538.8
 RRT .8371 RRF .8123 RTF .9863
 SGB 6366.9 R23 -.0295 R13 .9862
 SGI 6356.3 SG2 368.2 TMA 5.12

ORBIT DETERMINATION ACCURACY

ST 3515.3 SR 187.3 SS 1838.5
 CRT .2868 CRS -.2763 CST -.9999
 LSA 3967.3 MSA 180.4 SSA 14.7
 EL1 3515.7 EL2 179.4 ALF .88

LAUNCH DATE MAY 6 1967

FLIGHT TIME 208.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 572.551

RL 150.91 LAL .00 LOL 224.79 VL 26.990 GAL 7.60 AFL 92.54 MCA 258.81 SMA 128.80 ECC .21553 INC 2.5406 V1 29.525
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.936 GAP 8.05 ATP 89.51 TAL 149.73 TAP 48.54 RCA 101.04 APO 156.57 V2 35.257
 RC 125.861 GL -15.72 GP -11.56 ZAL 43.93 ZAP 154.24 ETS 336.08 ZAE 124.52 ETE 188.43 ZAC 120.22 ETC 11.00 CLP-156.82

PLANETOCENTRIC CONIC

C3 19.148 VML 4.376 CLA -15.68 RAL 176.54 RAD 6567.8 VEL 11.855 PTH 2.10 VMP 5.930 DPA 4.64 RAP 146.38 ECC 1.3151
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 19 30 1694.04 -4.48 10.74 36.29 117.99 10 47 44 1094.0 -1.70 4.10
 90.00 18 7 8 5358.12 27.74 244.53 42.62 84.09 19 36 26 4758.1 26.63 236.04
 100.00 11 32 12 1459.46 -5.64 352.86 35.65 119.40 11 56 32 859.5 -1.68 346.31
 100.00 19 37 7 5067.94 29.06 223.02 42.44 82.65 21 1 35 4467.9 27.73 214.46
 110.00 12 21 15 1305.85 -8.61 339.39 33.83 123.21 12 43 0 705.9 -4.18 333.10
 110.00 21 4 34 4794.31 32.49 201.58 41.79 78.74 22 24 28 4194.3 30.60 192.88

DIFFERENTIAL CORRECTIONS

TDE-2.5083 TRA 3.5440 TC3-3.0874 BAU .7935
 ROE .0462 RRA .4242 RC3 -.2772 FAU .03852
 FDE-2.4497 FRA 3.3702 FC3-1.7417 BSP 20656
 BOE 2.5087 BRA 3.5693 BC3 3.0990 FSP -1731

MID-COURSE EXECUTION ACCURACY

SGT 6427.7 SGR 628.8 SG3 500.9
 RRT .8010 RRF .7735 RTF .9859
 SGB 6458.4 R23 -.0316 R13 .9857
 SGI 6447.5 SG2 375.3 TMA 4.50

ORBIT DETERMINATION ACCURACY

ST 3589.3 SR 183.5 SS 1788.1
 CRT .0790 CRS -.0689 CST -.9999
 LSA 4010.0 MSA 183.7 SSA 14.5
 EL1 3589.4 EL2 182.9 ALF .23

LAUNCH DATE MAY 6 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 578.404

RL 150.91 LAL .00 LOL 224.79 VL 26.969 GAL 7.99 AFL 92.64 MCA 262.06 SMA 128.66 ECC .22057 INC 2.6442 V1 29.525
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.922 GAP 8.56 ATP 89.63 TAL 148.93 TAP 50.99 RCA 100.28 APO 157.04 V2 35.25H
 RC 128.066 GL -15.72 GP -10.93 ZAL 42.96 ZAP 156.05 ETS 335.28 ZAE 123.85 ETE 187.89 ZAC 118.66 ETC 11.41 CLP-158.56

PLANETOCENTRIC CONIC

C3 20.672 VML 4.547 CLA -16.09 RAL 177.50 RAD 6567.8 VEL 11.919 PTH 2.12 VMP 6.195 DPA 4.76 RAP 147.99 ECC 1.3402
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 27 18 1696.95 -4.57 10.91 38.42 117.98 10 55 35 1097.0 -1.80 4.26
 90.00 18 7 2 5391.63 27.95 246.96 45.16 85.29 19 36 53 4791.6 27.01 238.42
 100.00 11 39 41 1463.44 -5.77 353.08 37.76 119.38 12 4 4 863.4 -1.82 346.53
 100.00 19 37 21 5100.38 29.32 225.39 45.01 83.87 21 2 21 4500.4 28.16 216.78
 110.00 12 28 1 1311.98 -8.84 339.72 35.88 123.16 12 49 53 712.0 -4.42 333.42
 110.00 21 5 29 4824.60 32.87 203.86 44.43 80.04 22 25 54 4224.6 31.15 195.06

DIFFERENTIAL CORRECTIONS

TDE-2.6481 TRA 3.7647 TC3-2.8900 BAU .8014
 ROE .0753 RRA .4103 RC3 -.2398 FAU .03434
 FDE-2.3639 FRA 3.2801 FC3-1.4382 BSP 20984
 BOE 2.6492 BRA 3.7870 BC3 2.8999 FSP -1614

MID-COURSE EXECUTION ACCURACY

SGT 6513.3 SGR 588.3 SG3 466.0
 RRT .7603 RRF .7303 RTF .9855
 SGB 6539.9 R23 -.0331 R13 .9853
 SGI 6528.7 SG2 381.3 TMA 3.94

ORBIT DETERMINATION ACCURACY

ST 3651.9 SR 187.4 SS 1737.7
 CRT -.1126 CRS .1218 CST -.9999
 LSA 4044.3 MSA 186.7 SSA 14.3
 EL1 3652.0 EL2 186.2 ALF 179.67

LAUNCH DATE MAY 6 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 584.208

RL 150.91 LAL .00 LOL 224.79 VL 26.947 GAL 8.40 AFL 92.75 MCA 265.31 SMA 128.51 ECC .22601 INC 2.7462 V1 29.525
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.907 GAP 9.09 ATP 89.78 TAL 148.13 TAP 53.44 RCA 99.47 APO 157.55 V2 35.259
 RC 130.261 GL -15.67 GP -10.37 ZAL 41.98 ZAP 157.77 ETS 334.37 ZAE 123.23 ETE 187.42 ZAC 117.03 ETC 11.75 CLP-160.23

PLANETOCENTRIC CONIC

C3 22.372 VML 4.730 CLA -16.46 RAL 178.48 RAD 6567.9 VEL 11.990 PTH 2.14 VMP 6.474 DPA 4.79 RAP 149.64 ECC 1.3682
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 34 42 1702.59 -4.75 11.22 40.61 117.95 11 3 4 1102.6 -.98 4.58
 90.00 18 7 28 5424.09 28.11 249.32 47.76 86.46 19 37 52 4824.1 27.33 240.75
 100.00 11 46 46 1470.03 -5.99 353.45 39.93 119.34 12 11 16 870.0 -2.04 346.89
 100.00 19 38 4 5131.88 29.52 227.71 47.64 85.08 21 3 36 4531.9 28.53 219.05
 110.00 12 34 30 1320.49 -9.16 340.17 38.00 123.08 12 56 31 720.5 -4.74 333.87
 110.00 21 6 50 4854.18 33.19 206.11 47.13 81.33 22 27 44 4254.2 31.64 197.23

DIFFERENTIAL CORRECTIONS

TDE-2.7905 TRA 3.9983 TC3-2.6913 BAU .8073
 ROE .1041 RRA .3972 RC3 -.2070 FAU .03047
 FDE-2.2823 FRA 3.1989 FC3-1.1790 BSP 21286
 BOE 2.7924 BRA 4.0180 BC3 2.6992 FSP -1506

MID-COURSE EXECUTION ACCURACY

SGT 6588.9 SGR 553.2 SG3 433.8
 RRT .7151 RRF .6830 RTF .9851
 SGB 6612.0 R23 -.0341 R13 .9850
 SGI 6600.8 SG2 386.0 TMA 3.45

ORBIT DETERMINATION ACCURACY

ST 3705.0 SR 196.4 SS 1688.5
 CRT -.2716 CRS .2798 CST -.9999
 LSA 4072.0 MSA 189.4 SSA 14.2
 EL1 3705.4 EL2 189.0 ALF 179.17

LAUNCH DATE MAY 6 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 589.959

RL 150.91 LAL .00 LOL 224.79 VL 26.924 GAL 8.84 AZL 92.85 MCA 268.55 SMA 128.36 ECC .2318N INC 2.8473 V1 29.525
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.891 GAP 9.64 AZP 89.93 TAL 147.32 TAP 55.87 RCA 98.60 APO 158.12 V2 35.259
 RC 132.447 GL -15.56 GP -9.86 ZAL 41.01 ZAP 159.41 ETS 333.31 ZAE 122.65 ETE 187.01 ZAC 115.35 ETC 12.04 CLP-161.83

PLANETOCENTRIC CONIC

C3 24.273 VHL 4.927 OLA -16.77 RAL 179.47 RAD 6568.0 VEL 12.069 PTH 2.16 VHP 6.768 OPA 4.72 RAP 151.34 ECC 1.3995
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 41 41 1710.86 -5.02 11.69 42.86 117.91 11 10 11 1110.9 -1.24 5.04
 90.00 18 8 23 5455.62 28.22 251.62 50.43 87.61 19 39 19 4855.6 27.59 243.02
 100.00 11 53 29 1479.15 -6.30 353.95 42.16 119.28 12 18 8 879.2 -2.35 347.39
 100.00 19 39 15 5162.57 29.68 229.98 50.34 86.26 21 5 18 4562.6 28.84 221.27
 110.00 12 40 41 1331.29 -9.56 340.75 40.17 122.98 13 2 52 731.3 -5.15 334.44
 110.00 21 8 33 4883.19 33.47 208.33 49.90 82.61 22 29 56 4283.2 32.09 199.37

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.9320 TRA 4.2505 TC3-2.4865 BAU .8090 SGT 6654.5 SGR 522.7 SG3 404.2 ST 3745.7 SR 208.9 SS 1639.0
 ROE .1330 RRA .3849 RC3 -.1778 FAU .02671 RRT .6657 RRF .6322 RTF .9847 CRT -.3959 CRS .4029 CST -.9999
 FDE-2.2015 FRA 3.1299 FC3 -.9527 BSP 21468 SGB 6675.0 R23 -.0343 R13 .9846 LSA 4089.4 MSA 192.0 SSA 14.0
 BOE 2.9350 BRA 4.2679 BC3 2.4929 FSP -1399 SGI 6663.6 SG2 389.5 TMA 3.00 EL1 3746.6 EL2 191.8 ALF 178.73

LAUNCH DATE MAY 6 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 595.648

RL 150.91 LAL .00 LOL 224.79 VL 26.901 GAL 9.32 AZL 92.95 MCA 271.80 SMA 128.21 ECC .23822 INC 2.9480 V1 29.525
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.874 GAP 10.21 AZP 90.09 TAL 146.51 TAP 58.31 RCA 97.67 APO 158.75 V2 35.258
 RC 134.624 GL -15.41 GP -9.41 ZAL 40.04 ZAP 160.97 ETS 332.07 ZAE 122.11 ETE 186.65 ZAC 113.61 ETC 12.28 CLP-163.38

PLANETOCENTRIC CONIC

C3 26.405 VHL 5.139 OLA -17.04 RAL 180.47 RAD 6568.1 VEL 12.157 PTH 2.18 VHP 7.079 OPA 4.58 RAP 153.08 ECC 1.4346
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 48 14 1721.68 -5.36 12.30 45.16 117.85 11 16 56 1121.7 -1.59 5.64
 90.00 18 9 45 5486.33 28.29 253.87 53.14 88.74 19 41 11 4886.3 27.82 245.23
 100.00 11 59 49 1490.71 -6.68 354.60 44.44 119.20 12 24 40 890.7 -2.74 348.03
 100.00 19 40 51 5192.53 29.79 232.20 53.08 87.43 21 7 24 4592.5 29.12 223.46
 110.00 12 46 33 1344.30 -10.04 341.45 42.40 122.85 13 8 57 744.3 -5.64 335.12
 110.00 21 10 37 4911.70 33.70 210.52 52.74 83.89 22 32 28 4311.7 32.49 201.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.0807 TRA 4.5144 TC3-2.2905 BAU .8104 SGT 6712.4 SGR 495.8 SG3 377.0 ST 3781.4 SR 222.4 SS 1593.3
 ROE .1616 RRA .3725 RC3 -.1526 FAU .02339 RRT .6122 RRF .5774 RTF .9844 CRT -.4908 CRS .4968 CST -.9999
 FDE-2.1290 FRA 3.0658 FC3 -.7670 BSP 21719 SGB 6730.7 R23 -.0345 R13 .9843 LSA 4104.7 MSA 193.9 SSA 13.7
 BOE 3.0849 BRA 4.5297 BC3 2.2956 FSP -1307 SGI 6719.3 SG2 391.6 TMA 2.60 EL1 3782.0 EL2 193.7 ALF 178.34

LAUNCH DATE MAY 6 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 601.268

RL 150.91 LAL .00 LOL 224.79 VL 26.878 GAL 9.83 AZL 93.05 MCA 275.04 SMA 128.05 ECC .24508 INC 3.0491 V1 29.525
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.856 GAP 10.81 AZP 90.27 TAL 145.69 TAP 60.74 RCA 96.67 APO 159.44 V2 35.256
 RC 136.791 GL -15.22 GP -8.99 ZAL 39.07 ZAP 162.45 ETS 330.63 ZAE 121.60 ETE 186.33 ZAC 111.83 ETC 12.48 CLP-164.87

PLANETOCENTRIC CONIC

C3 28.802 VHL 5.367 OLA -17.26 RAL 181.46 RAD 6568.2 VEL 12.255 PTH 2.20 VHP 7.408 OPA 4.36 RAP 154.86 ECC 1.4740
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 54 22 1734.98 -5.78 13.04 47.50 117.77 11 23 17 1135.0 -2.02 6.38
 90.00 18 11 32 5518.29 28.32 256.06 55.90 89.83 19 43 28 4916.3 27.99 247.41
 100.00 12 5 46 1504.63 -7.14 355.37 46.76 119.10 12 30 50 904.6 -3.21 348.79
 100.00 19 42 50 5221.87 29.86 234.38 55.88 88.57 21 9 51 4621.9 29.34 225.61
 110.00 12 52 6 1359.46 -10.60 342.27 44.67 122.69 13 14 45 759.5 -6.21 335.92
 110.00 21 12 59 4939.81 33.88 212.70 55.62 85.17 22 35 18 4339.8 32.84 203.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.2337 TRA 4.7952 TC3-2.0972 BAU .8091 SGT 6761.9 SGR 472.0 SG3 351.9 ST 3809.1 SR 236.4 SS 1549.6
 ROE .1903 RRA .3600 RC3 -.1303 FAU .02030 RRT .5547 RRF .5193 RTF .9842 CRT -.5632 CRS .5682 CST -.9999
 FDE-2.0611 FRA 3.0097 FC3 -.6101 BSP 21951 SGB 6778.4 R23 -.0343 R13 .9841 LSA 4114.4 MSA 195.3 SSA 13.5
 BOE 3.2393 BRA 4.8087 BC3 2.1013 FSP -1223 SGI 6767.0 SG2 392.4 TMA 2.22 EL1 3811.5 EL2 195.2 ALF 177.99

LAUNCH DATE MAY 6 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC

DISTANCE 606.812

RL 150.91 LAL .00 LOL 224.79 VL 26.855 GAL 10.37 AZL 93.15 MCA 278.29 SMA 127.90 ECC .25251 INC 3.1512 V1 29.525
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.837 GAP 11.44 AZP 90.45 TAL 144.88 TAP 63.17 RCA 95.60 APO 160.19 V2 35.254
 RC 138.949 GL -14.99 GP -8.62 ZAL 38.12 ZAP 163.87 ETS 328.94 ZAE 121.12 ETE 186.03 ZAC 110.01 ETC 12.65 CLP-166.32

PLANETOCENTRIC CONIC

C3 31.505 VHL 5.613 OLA -17.44 RAL 182.45 RAD 6568.3 VEL 12.364 PTH 2.23 VHP 7.757 OPA 4.08 RAP 156.65 ECC 1.5185
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 0 5 1750.68 -6.28 13.93 49.89 117.67 11 29 16 1150.7 -2.53 7.26
 90.00 18 13 40 5545.57 28.30 258.20 58.71 90.91 19 46 6 4945.6 28.13 249.54
 100.00 12 11 19 1520.85 -7.68 356.28 49.13 118.98 12 36 40 920.8 -3.76 349.69
 100.00 19 45 8 5250.63 29.89 236.52 58.72 89.69 21 12 39 4650.6 29.53 227.73
 110.00 12 57 20 1376.69 -11.23 343.20 46.99 122.50 13 20 16 776.7 -6.86 336.83
 110.00 21 15 37 4967.56 34.02 214.85 58.55 86.44 22 38 24 4367.6 33.15 205.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.3916 TRA 5.0950 TC3-1.9074 BAU .8047 SGT 6803.6 SGR 450.9 SG3 328.9 ST 3829.4 SR 250.1 SS 1508.0
 ROE .2193 RRA .3489 RC3 -.1106 FAU .01740 RRT .4935 RRF .4581 RTF .9841 CRT -.6190 CRS .6232 CST -.9999
 FDE-1.9978 FRA 2.9615 FC3 -.4781 BSP 22150 SGB 6818.5 R23 -.0336 R13 .9840 LSA 4118.6 MSA 196.3 SSA 13.3
 BOE 3.3986 BRA 5.1068 BC3 1.9106 FSP -1144 SGI 6807.2 SG2 391.9 TMA 1.88 EL1 3832.6 EL2 196.3 ALF 177.68

LAUNCH DATE MAY 7 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 16 1967

HELIOCENTRIC CONIC

DISTANCE 131.581

RL 150.95 LAL -.00 LOL 225.76 VL 16.237 GAL 22.61 AZL 90.79 MCA 39.05 SMA 88.79 ECC .75203 INC .7898 VI 29.517
 RP 108.72 LAP -.50 LOP 264.81 VP 30.769 GAP -47.44 AZP 90.61 TAL 171.87 TAP 210.91 RCA 22.02 APO 155.56 V2 34.857
 RC 75.805 GL -.76 GP 2.13 ZAL 68.15 ZAP 31.70 ETS 186.05 ZAE 140.92 ETE 173.53 ZAC 145.15 ETC 31.53 CLP 31.64

PLANETOCENTRIC CONIC

C3 245.016 VML 15.653 DLA 8.01 RAL 159.02 RAD 6571.4 VEL 19.140 PTH 3.09 WMP 26.839 DPA 25.12 RAP 119.23 ECC 5.0323
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 0 4 3013.77 -27.91 97.43 64.44 85.01 6 50 18 2413.8 -28.31 88.79
 90.00 19 58 55 5155.81 25.50 230.17 36.41 77.24 21 24 51 4555.8 23.48 222.08
 100.00 7 25 17 2738.95 -29.53 77.38 64.60 85.16 8 10 56 2138.9 -29.89 68.59
 100.00 21 16 23 4905.87 27.08 211.38 56.01 76.84 22 38 9 4305.9 23.00 203.20
 110.00 8 42 21 2497.76 -33.93 59.49 65.02 85.54 9 23 59 1897.8 -34.17 50.25
 110.00 22 15 48 4719.82 31.36 196.07 54.80 75.65 23 34 28 4119.8 29.07 187.61

DIFFERENTIAL CORRECTIONS

TDE .7803 TRA-1.8086 TC3 -.1007 BAU .3314
 ROE-1.1074 RRA -.5694 RC3 .0099 FAU .01283
 FDE -.3231 FRA .6544 FC3 -.0453 B8P 3075
 BOE 1.3547 BRA 1.8961 BC3 .1012 F8P -65

MID-COURSE EXECUTION ACCURACY

SGT 792.4 SGR 457.8 SG3 26.3
 RRT .0418 RRF -.0528 RTF -.6251
 SGB 915.1 R23 -.0136 R13 -.6256
 SGI 792.7 SGT 457.2 TMA 2.08

ORBIT DETERMINATION ACCURACY

ST 349.1 SR 410.2 SS 321.9
 CRT -.7200 CRS -.7613 CST .9964
 LSA 586.1 MSA 224.0 SSA 13.7
 EL1 500.8 EL2 198.5 ALF 128.66

LAUNCH DATE MAY 7 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 18 1967

HELIOCENTRIC CONIC

DISTANCE 137.232

RL 150.95 LAL -.00 LOL 225.76 VL 16.994 GAL 21.64 AZL 91.02 MCA 42.22 SMA 90.31 ECC .72503 INC 1.0159 VI 29.517
 RP 108.75 LAP -.68 LOP 267.98 VP 31.164 GAP -45.29 AZP 90.75 TAL 171.06 TAP 213.28 RCA 24.83 APO 155.78 V2 34.848
 RC 75.549 GL -1.08 GP 2.19 ZAL 66.91 ZAP 30.19 ETS 186.30 ZAE 141.23 ETE 172.82 ZAC 143.66 ETC 30.37 CLP 30.12

PLANETOCENTRIC CONIC

C3 222.608 VML 14.920 DLA 7.25 RAL 160.06 RAD 6571.3 VEL 18.545 PTH 3.05 WMP 25.811 DPA 24.92 RAP 121.04 ECC 4.6636
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 10 10 2975.95 -28.10 94.68 64.06 86.38 6 59 45 2376.0 -28.31 86.02
 90.00 19 57 10 5166.60 25.68 230.92 56.77 77.58 21 23 17 4566.6 23.69 222.80
 100.00 7 34 59 2702.39 -29.71 74.67 64.17 86.57 8 20 1 2102.4 -29.87 65.87
 100.00 21 15 2 4915.40 27.23 212.05 56.38 77.16 22 36 58 4315.4 25.19 203.85
 110.00 8 51 10 2463.97 -34.07 56.86 64.46 87.08 9 32 14 1864.0 -34.10 47.61
 110.00 22 15 21 4726.58 31.48 196.56 55.21 75.92 23 34 7 4126.6 29.22 188.08

DIFFERENTIAL CORRECTIONS

TDE .7463 TRA-1.8558 TC3 -.1137 BAU .3402
 ROE-1.0654 RRA -.5584 RC3 .0115 FAU .01273
 FDE -.3343 FRA .6826 FC3 -.0495 B8P 2275
 BOE 1.3008 BRA 1.9380 BC3 .1143 F8P -61

MID-COURSE EXECUTION ACCURACY

SGT 844.6 SGR 464.0 SG3 28.4
 RRT .0673 RRF -.0635 RTF -.6354
 SGB 963.7 R23 -.0024 R13 -.6357
 SGI 845.5 SGT 462.5 TMA 3.02

ORBIT DETERMINATION ACCURACY

ST 358.7 SR 414.2 SS 336.6
 CRT -.6951 CRS -.7577 CST .9941
 LSA 598.5 MSA 235.0 SSA 14.2
 EL1 505.6 EL2 211.3 ALF 129.13

LAUNCH DATE MAY 7 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 20 1967

HELIOCENTRIC CONIC

DISTANCE 142.984

RL 150.95 LAL -.00 LOL 225.76 VL 17.702 GAL 20.73 AZL 91.22 MCA 45.39 SMA 91.84 ECC .69825 INC 1.2158 VI 29.517
 RP 108.77 LAP -.87 LOP 271.14 VP 31.547 GAP -43.25 AZP 90.85 TAL 170.27 TAP 215.66 RCA 27.71 APO 155.97 V2 34.839
 RC 71.325 GL -1.42 GP 2.25 ZAL 65.72 ZAP 28.71 ETS 186.58 ZAE 141.63 ETE 172.05 ZAC 142.14 ETC 29.30 CLP 28.63

PLANETOCENTRIC CONIC

C3 202.333 VML 14.224 DLA 6.49 RAL 161.04 RAD 6571.1 VEL 17.990 PTH 3.01 WMP 24.820 DPA 24.70 RAP 122.87 ECC 4.3299
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 19 56 2937.51 -28.24 91.88 63.55 87.78 7 8 54 2337.5 -28.25 83.21
 90.00 19 55 13 5176.51 25.80 231.61 57.01 77.90 21 21 30 4576.5 23.87 223.47
 100.00 7 44 22 2665.19 -29.83 71.92 63.61 88.01 8 28 47 2065.2 -29.79 63.11
 100.00 21 13 28 4924.07 27.36 212.67 56.63 77.46 22 35 32 4324.1 25.36 204.44
 110.00 8 59 41 2429.49 -34.16 54.17 63.76 88.67 9 40 10 1829.5 -33.97 44.93
 110.00 22 14 39 4732.52 31.57 197.00 55.50 76.17 23 33 32 4132.5 29.35 188.49

DIFFERENTIAL CORRECTIONS

TDE .7474 TRA-1.8673 TC3 -.1211 BAU .3297
 ROE-1.0228 RRA -.5457 RC3 .0136 FAU .01285
 FDE -.3502 FRA .7068 FC3 -.0550 B8P 2331
 BOE 1.2648 BRA 1.9455 BC3 .1219 F8P -66

MID-COURSE EXECUTION ACCURACY

SGT 884.6 SGR 489.2 SG3 30.7
 RRT .0727 RRF -.0678 RTF -.6531
 SGB 1001.3 R23 -.0020 R13 -.6534
 SGI 885.5 SGT 487.5 TMA 3.06

ORBIT DETERMINATION ACCURACY

ST 377.2 SR 417.3 SS 354.4
 CRT -.6922 CRS -.7599 CST .9935
 LSA 619.5 MSA 241.0 SSA 14.4
 EL1 518.0 EL2 219.3 ALF 130.85

LAUNCH DATE MAY 7 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 22 1967

HELIOCENTRIC CONIC

DISTANCE 148.832

RL 150.95 LAL -.00 LOL 225.76 VL 18.366 GAL 19.85 AZL 91.39 MCA 48.56 SMA 93.39 ECC .67185 INC 1.3949 VI 29.517
 RP 108.80 LAP -1.05 LOP 274.31 VP 31.915 GAP -41.32 AZP 90.92 TAL 169.49 TAP 218.05 RCA 30.65 APO 156.13 V2 34.831
 RC 69.138 GL -1.78 GP 2.32 ZAL 64.59 ZAP 27.25 ETS 186.91 ZAE 142.11 ETE 171.20 ZAC 140.59 ETC 28.29 CLP 27.15

PLANETOCENTRIC CONIC

C3 183.980 VML 13.564 DLA 5.73 RAL 161.98 RAD 6571.0 VEL 17.473 PTH 2.96 WMP 23.864 DPA 24.46 RAP 124.72 ECC 4.0278
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 29 28 2988.39 -28.31 89.02 62.91 89.21 7 17 44 2298.4 -28.12 80.36
 90.00 19 53 3 5185.60 25.93 232.24 57.14 78.20 21 19 29 4585.6 24.04 224.08
 100.00 7 53 29 2627.29 -29.89 69.10 62.93 89.50 8 37 16 2027.3 -29.64 60.30
 100.00 21 11 41 4931.94 27.47 213.22 56.78 77.73 22 33 53 4331.9 25.51 204.97
 110.00 9 7 56 2394.28 -34.18 51.42 62.93 90.30 9 47 50 1794.3 -33.76 42.20
 110.00 22 13 44 4737.71 31.66 197.38 55.67 76.38 23 32 41 4137.7 29.46 188.86

DIFFERENTIAL CORRECTIONS

TDE .7511 TRA-1.8756 TC3 -.1280 BAU .3171
 ROE-1.9806 RRA -.5323 RC3 .0159 FAU .01301
 FDE -.3869 FRA .7308 FC3 -.0612 B8P 2462
 BOE 1.2352 BRA 1.9496 BC3 .1289 F8P -72

MID-COURSE EXECUTION ACCURACY

SGT 924.7 SGR 473.8 SG3 33.2
 RRT .0766 RRF -.0717 RTF -.6709
 SGB 1039.1 R23 -.0023 R13 -.6712
 SGI 925.7 SGT 471.9 TMA 3.04

ORBIT DETERMINATION ACCURACY

ST 397.3 SR 419.7 SS 372.9
 CRT -.6911 CRS -.7625 CST .9931
 LSA 642.1 MSA 246.2 SSA 14.6
 EL1 531.6 EL2 226.7 ALF 132.73

LAUNCH DATE MAY 7 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 24 1967

HELIOCENTRIC CONIC

DISTANCE 154.771
 RL 150.95 LAL -.00 LOL 225.76 VL 18.988 GAL 19.01 AZL 91.56 MCA 51.72 SMA 94.94 ECC .64590 INC 1.5572 V1 29.517
 RP 108.82 LAP -1.22 LOP 277.47 VP 32.269 GAP -39.49 ATP 90.96 TAL 168.73 TAP 220.45 RCA 33.62 APO 156.26 V2 34.824
 RC 66.992 GL -2.16 GP 2.59 ZAL 63.52 ZAP 25.80 ETS 187.28 ZAE 142.70 ETE 170.27 ZAC 139.02 ETC 27.36 CLP 25.70

PLANETOCENTRIC CONIC

C3 167.353 VHL 12.936 DLA 4.96 RAL 162.82 RAD 6570.8 VEL 16.991 PTH 2.92 VMP 22.941 DPA 24.21 RAP 126.58 ECC 3.7542
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 38 39 2858.56 -28.31 86.10 62.14 90.67 7 26 18 2258.6 -27.97 77.46
 90.00 19 50 40 5193.91 26.04 232.83 57.16 78.47 21 17 14 4593.9 24.19 224.65
 100.00 8 2 20 2588.66 -29.88 66.23 62.11 91.01 8 45 29 1988.7 -29.42 57.45
 100.00 21 9 41 4939.05 27.58 213.73 56.80 77.98 22 32 0 4339.0 25.64 205.46
 110.00 9 15 56 2358.31 -34.13 48.61 61.98 91.96 9 55 14 1758.3 -33.48 39.43
 110.00 22 12 34 4742.15 31.73 197.70 55.72 76.56 23 31 36 4142.2 29.56 189.17

DIFFERENTIAL CORRECTIONS

TOE .7664 TRA-1.8815 TC3 -.1343 BAU .3032 SGT 965.7 SGR 477.7 SG3 35.9 ORBIT DETERMINATION ACCURACY
 ROE -.9387 RRA -.5181 RC3 .0185 FAU .01320 RRT .0796 RRF -.0756 RTF -.6885 ST 418.7 SR 421.5 SS 392.1
 FDE -.3843 FRA .7551 FC3 -.0683 BSP 2642 SGB 1077.4 R23 -.0032 R13 -.6888 CRT -.6911 CRS -.7652 CST .9928
 BOE 1.2054 BRA 1.9516 BC3 .1355 FSP -79 SGI 966.7 SG2 475.7 TMA 2.98 LSA 666.1 MSA 250.6 SSA 14.8
 EL1 546.3 EL2 233.5 ALF 134.73

LAUNCH DATE MAY 7 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 26 1967

HELIOCENTRIC CONIC

DISTANCE 160.796
 RL 150.95 LAL -.00 LOL 225.76 VL 19.570 GAL 18.20 AZL 91.71 MCA 54.89 SMA 96.49 ECC .62052 INC 1.7059 V1 29.517
 RP 108.84 LAP -1.40 LOP 280.64 VP 32.607 GAP -37.75 ATP 90.98 TAL 167.98 TAP 222.86 RCA 36.62 APO 156.36 V2 34.817
 RC 64.892 GL -2.57 GP 2.47 ZAL 62.50 ZAP 24.38 ETS 187.72 ZAE 143.38 ETE 169.24 ZAC 137.41 ETC 26.49 CLP 24.26

PLANETOCENTRIC CONIC

C3 152.278 VHL 12.340 DLA 4.19 RAL 163.61 RAD 6570.7 VEL 16.541 PTH 2.88 VMP 22.049 DPA 23.93 RAP 128.45 ECC 3.5061
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 47 37 2817.96 -28.24 83.14 61.25 92.16 7 34 35 2218.0 -27.64 74.52
 90.00 19 48 3 5201.50 26.14 233.36 57.07 78.71 21 14 44 4601.5 24.32 225.16
 100.00 8 10 56 2549.26 -29.79 63.30 61.17 92.55 8 53 25 1949.3 -29.12 54.56
 100.00 21 7 25 4945.44 27.67 214.18 56.72 78.20 22 29 51 4345.4 25.76 205.90
 110.00 9 23 41 2321.55 -34.01 45.75 60.91 93.65 10 2 23 1721.6 -33.13 36.62
 110.00 22 11 9 4745.91 31.79 197.98 55.66 76.71 23 30 15 4145.9 29.63 189.43

DIFFERENTIAL CORRECTIONS

TOE .7593 TRA-1.8891 TC3 -.1409 BAU .2902 SGT 1009.3 SGR 481.0 SG3 38.8 ORBIT DETERMINATION ACCURACY
 ROE -.8973 RRA -.5035 RC3 .0215 FAU .01340 RRT .0841 RRF -.0800 RTF -.7049 ST 440.5 SR 422.5 SS 411.9
 FDE -.4021 FRA .7799 FC3 -.0762 BSP 2774 SGB 1118.1 R23 -.0036 R13 -.7052 CRT -.6896 CRS -.7674 CST .9922
 BOE 1.1755 BRA 1.9551 BC3 .1425 FSP -87 SGI 1010.4 SG2 478.8 TMA 2.96 LSA 690.6 MSA 254.9 SSA 15.0
 EL1 561.1 EL2 240.2 ALF 136.73

LAUNCH DATE MAY 7 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 28 1967

HELIOCENTRIC CONIC

DISTANCE 166.900
 RL 150.95 LAL -.00 LOL 225.76 VL 20.116 GAL 17.43 AZL 91.84 MCA 58.05 SMA 98.03 ECC .59575 INC 1.8435 V1 29.517
 RP 108.86 LAP -1.56 LOP 283.80 VP 32.931 GAP -36.09 ATP 90.98 TAL 167.24 TAP 225.30 RCA 39.63 APO 156.44 V2 34.810
 RC 62.843 GL -3.01 GP 2.56 ZAL 61.54 ZAP 22.97 ETS 188.23 ZAE 144.16 ETE 168.09 ZAC 135.78 ETC 25.67 CLP 22.84

PLANETOCENTRIC CONIC

C3 138.602 VHL 11.773 DLA 3.42 RAL 164.35 RAD 6570.5 VEL 16.122 PTH 2.84 VMP 21.186 DPA 23.64 RAP 130.33 ECC 3.2810
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 56 20 2776.58 -28.10 80.12 60.24 93.66 7 42 37 2176.6 -27.29 71.54
 90.00 19 45 10 5208.42 26.23 233.84 56.86 78.94 21 11 58 4608.4 24.44 225.63
 100.00 8 19 17 2509.05 -29.64 60.32 60.12 94.11 9 1 6 1909.1 -28.75 51.63
 100.00 21 4 54 4951.17 27.74 214.59 56.52 78.40 22 27 26 4351.2 25.86 206.29
 110.00 9 31 11 2283.99 -33.81 42.83 59.72 95.37 10 9 15 1684.0 -32.70 33.77
 110.00 22 9 29 4749.01 31.84 198.21 55.49 76.84 23 28 38 4149.0 29.70 189.65

DIFFERENTIAL CORRECTIONS

TOE .7638 TRA-1.8939 TC3 -.1467 BAU .2758 SGT 1053.6 SGR 485.5 SG3 42.0 ORBIT DETERMINATION ACCURACY
 ROE -.8564 RRA -.4884 RC3 .0249 FAU .01363 RRT .0877 RRF -.0845 RTF -.7212 ST 463.7 SR 422.9 SS 432.5
 FDE -.4207 FRA .8050 FC3 -.0851 BSP 2958 SGB 1159.3 R23 -.0045 R13 -.7215 CRT -.6893 CRS -.7699 CST .9918
 BOE 1.1475 BRA 1.9559 BC3 .1488 FSP -96 SGI 1054.7 SG2 481.2 TMA 2.91 LSA 716.8 MSA 258.4 SSA 15.2
 EL1 577.3 EL2 246.1 ALF 138.82

LAUNCH DATE MAY 7 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 30 1967

HELIOCENTRIC CONIC

DISTANCE 173.079
 RL 150.95 LAL -.00 LOL 225.76 VL 20.628 GAL 16.69 AZL 91.97 MCA 61.22 SMA 99.57 ECC .57166 INC 1.9718 V1 29.517
 RP 108.88 LAP -1.73 LOP 286.96 VP 33.240 GAP -34.50 ATP 90.95 TAL 166.53 TAP 227.75 RCA 42.65 APO 156.49 V2 34.805
 RC 60.850 GL -3.47 GP 2.66 ZAL 60.64 ZAP 21.58 ETS 188.83 ZAE 145.03 ETE 166.82 ZAC 134.13 ETC 24.91 CLP 21.43

PLANETOCENTRIC CONIC

C3 126.190 VHL 11.233 DLA 2.64 RAL 165.01 RAD 6570.3 VEL 15.733 PTH 2.79 VMP 20.353 DPA 23.34 RAP 132.22 ECC 3.0768
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 4 49 2734.37 -27.88 77.05 59.12 95.19 7 50 24 2134.4 -26.87 68.53
 90.00 19 42 0 5214.74 26.32 234.29 56.54 79.15 21 8 55 4614.7 24.55 226.06
 100.00 8 27 24 2468.03 -29.40 57.30 58.96 95.68 9 8 32 1868.0 -28.30 48.67
 100.00 21 2 7 4956.31 27.81 214.95 56.21 78.58 22 24 44 4356.3 25.96 206.65
 110.00 9 38 28 2245.59 -33.53 39.87 58.42 97.10 10 15 53 1645.6 -32.18 30.90
 110.00 22 7 33 4751.51 31.87 198.39 55.19 76.94 23 26 44 4151.5 29.75 189.83

DIFFERENTIAL CORRECTIONS

TOE .7683 TRA-1.8977 TC3 -.1521 BAU .2611 SGT 1099.6 SGR 485.4 SG3 45.4 ORBIT DETERMINATION ACCURACY
 ROE -.8159 RRA -.4728 RC3 .0287 FAU .01389 RRT .0915 RRF -.0892 RTF -.7369 ST 488.0 SR 422.4 SS 453.9
 FDE -.4401 FRA .8305 FC3 -.0953 BSP 3149 SGB 1202.0 R23 -.0056 R13 -.7372 CRT -.6890 CRS -.7722 CST .9914
 BOE 1.1207 BRA 1.9557 BC3 .1547 FSP -105 SGI 1100.7 SG2 482.9 TMA 2.87 LSA 744.3 MSA 261.4 SSA 15.3
 EL1 594.5 EL2 251.3 ALF 140.93

LAUNCH DATE MAY 7 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 1 1967

HELIOCENTRIC CONIC

DISTANCE 179.327

RL 150.95 LAL -1.00 LOL 225.76 VL 21.107 GAL 15.97 AZL 92.09 MCA 64.38 SMA 101.09 ECC .54829 INC 2.0925 V1 29.517
 RP 108.90 LAP -1.89 LOP 290.13 VP 33.535 GAP -32.99 AZP 90.91 TAL 165.85 TAP 230.23 RCA 45.66 APO 156.51 V2 34.800
 RC 58.919 GL -3.96 GP 2.76 ZAL 59.80 ZAP 20.21 ETS 189.54 ZAE 146.03 ETE 165.39 ZAC 132.46 ETC 24.20 CLP 20.03

PLANETOCENTRIC CONIC

C3 114.924 VML 10.720 OLA 1.85 RAL 165.62 RAD 6570.2 VEL 15.371 PTH 2.75 VMP 19.546 OPA 23.02 RAP 134.11 ECC 2.8914
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 13 5 2691.31 -27.57 73.93 57.90 96.72 7 57 56 2091.3 -26.36 65.48
 90.00 19 38 34 5220.56 26.39 234.70 56.11 79.34 21 5 34 4620.6 24.65 226.46
 100.00 8 35 17 2426.16 -29.08 54.23 57.69 97.27 9 15 43 1826.2 -27.76 45.67
 100.00 20 59 3 4960.95 27.88 215.28 55.79 78.75 22 21 44 4360.9 26.04 206.96
 110.00 9 45 31 2206.36 -33.16 36.87 57.02 98.84 10 22 17 1606.4 -31.58 27.99
 110.00 22 5 19 4753.51 31.91 198.54 54.79 77.02 23 24 32 4153.5 29.79 189.97

DIFFERENTIAL CORRECTIONS

TOE .7699 TRA-1.9028 TC3 -.1577 BAU .2475
 ROE -.7761 RRA -.4871 RC3 .0329 FAU .01416
 FDE -.4601 FRA .8569 FC3 -.1067 BSP 3286
 BOE 1.0932 BRA 1.9569 BC3 .1611 FSP -115

MID-COURSE EXECUTION ACCURACY

SGT 1148.5 SGR 486.6 SG3 49.1
 RRT .0970 RRF -.0946 RTF -.7512
 SGB 1247.3 R23 -.0061 R13 -.7515
 SGI 1149.6 SG2 483.8 TMA 2.86

ORBIT DETERMINATION ACCURACY

ST 512.5 SR 421.2 SS 475.9
 CRT -.6871 CRS -.7742 CST .9908
 LSA 772.3 MSA 264.2 SSA 15.5
 EL1 611.8 EL2 256.3 ALF 143.01

LAUNCH DATE MAY 7 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 3 1967

HELIOCENTRIC CONIC

DISTANCE 185.638

RL 150.95 LAL -1.00 LOL 225.76 VL 21.557 GAL 15.29 AZL 92.21 MCA 67.54 SMA 102.58 ECC .52568 INC 2.2069 V1 29.517
 RP 108.91 LAP -2.04 LOP 293.29 VP 33.815 GAP -31.54 AZP 90.84 TAL 165.19 TAP 232.73 RCA 48.66 APO 156.51 V2 34.795
 RC 57.057 GL -4.49 GP 2.87 ZAL 59.02 ZAP 18.85 ETS 190.38 ZAE 147.13 ETE 165.77 ZAC 130.78 ETC 23.53 CLP 18.64

PLANETOCENTRIC CONIC

C3 104.696 VML 10.232 OLA 1.06 RAL 166.16 RAD 6570.0 VEL 15.035 PTH 2.71 VMP 18.766 OPA 22.68 RAP 136.00 ECC 2.7230
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 21 8 2647.38 -27.18 70.78 56.58 98.25 8 5 15 2047.4 -25.76 62.40
 90.00 19 34 49 5225.97 26.46 235.08 55.58 79.52 21 1 55 4626.0 24.74 226.83
 100.00 8 42 58 2383.42 -28.67 51.12 56.33 98.86 9 22 41 1783.4 -27.15 42.64
 100.00 20 55 40 4965.16 27.93 215.59 55.26 78.89 22 18 25 4365.2 26.12 207.26
 110.00 9 52 20 2166.28 -32.70 35.83 55.52 100.58 10 28 27 1566.3 -30.89 25.07
 110.00 22 2 47 4755.06 31.93 198.66 54.28 77.09 23 22 2 4155.1 29.82 190.08

DIFFERENTIAL CORRECTIONS

TOE .7736 TRA-1.9044 TC3 -.1619 BAU .2326
 ROE -.7368 RRA -.4412 RC3 .0377 FAU .01447
 FDE -.4813 FRA .8837 FC3 -.1197 BSP 3477
 BOE 1.0683 BRA 1.9549 BC3 .1662 FSP -126

MID-COURSE EXECUTION ACCURACY

SGT 1197.9 SGR 487.0 SG3 53.1
 RRT .1016 RRF -.1001 RTF -.7655
 SGB 1293.1 R23 -.0072 R13 -.7658
 SGI 1199.1 SG2 484.0 TMA 2.83

ORBIT DETERMINATION ACCURACY

ST 538.6 SR 419.2 SS 499.1
 CRT -.6866 CRS -.7764 CST .9903
 LSA 802.5 MSA 266.0 SSA 15.7
 EL1 631.0 EL2 260.2 ALF 145.13

LAUNCH DATE MAY 7 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 5 1967

HELIOCENTRIC CONIC

DISTANCE 192.007

RL 150.95 LAL -1.00 LOL 225.76 VL 21.978 GAL 14.62 AZL 92.32 MCA 70.70 SMA 104.06 ECC .50384 INC 2.3162 V1 29.517
 RP 108.92 LAP -2.19 LOP 296.45 VP 34.081 GAP -30.15 AZP 90.77 TAL 164.55 TAP 235.25 RCA 51.63 APO 156.49 V2 34.792
 RC 55.270 GL -5.05 GP 3.00 ZAL 58.30 ZAP 17.51 ETS 191.40 ZAE 148.32 ETE 161.94 ZAC 129.08 ETC 22.91 CLP 17.26

PLANETOCENTRIC CONIC

C3 95.411 VML 9.768 OLA .25 RAL 166.63 RAD 6569.9 VEL 14.723 PTH 2.66 VMP 18.010 OPA 22.34 RAP 137.89 ECC 2.5702
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 28 59 2602.57 -26.70 67.59 55.17 99.79 8 12 22 2002.6 -25.08 59.29
 90.00 19 30 44 5231.08 26.52 235.44 54.93 79.69 20 57 55 4631.1 24.83 227.18
 100.00 8 50 27 2339.81 -28.17 47.97 54.87 100.44 9 29 27 1739.8 -26.44 39.59
 100.00 20 51 57 4969.07 27.98 215.86 54.63 79.03 22 14 46 4369.1 26.18 207.53
 110.00 9 58 57 2125.36 -32.14 30.77 53.95 102.32 10 34 23 1525.4 -30.11 22.14
 110.00 21 59 56 4756.29 31.95 198.75 53.66 77.14 23 19 12 4156.3 29.85 190.17

DIFFERENTIAL CORRECTIONS

TOE .7774 TRA-1.9045 TC3 -.1651 BAU .2176
 ROE -.6981 RRA -.4252 RC3 .0430 FAU .01483
 FDE -.5038 FRA .9111 FC3 -.1345 BSP 3680
 BOE 1.0448 BRA 1.9513 BC3 .1706 FSP -138

MID-COURSE EXECUTION ACCURACY

SGT 1249.0 SGR 486.7 SG3 57.4
 RRT .1066 RRF -.1062 RTF -.7792
 SGB 1340.5 R23 -.0085 R13 -.7795
 SGI 1250.2 SG2 483.5 TMA 2.80

ORBIT DETERMINATION ACCURACY

ST 566.0 SR 416.3 SS 523.3
 CRT -.6862 CRS -.7785 CST .9899
 LSA 834.2 MSA 267.1 SSA 15.8
 EL1 651.5 EL2 263.1 ALF 147.23

LAUNCH DATE MAY 7 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 7 1967

HELIOCENTRIC CONIC

DISTANCE 198.430

RL 150.95 LAL -1.00 LOL 225.76 VL 22.372 GAL 13.99 AZL 92.42 MCA 73.86 SMA 105.50 ECC .48281 INC 2.4214 V1 29.517
 RP 108.93 LAP -2.33 LOP 299.61 VP 34.334 GAP -28.81 AZP 90.67 TAL 163.95 TAP 237.81 RCA 54.57 APO 156.44 V2 34.789
 RC 53.566 GL -5.84 GP 3.13 ZAL 57.65 ZAP 16.18 ETS 192.63 ZAE 149.61 ETE 159.84 ZAC 127.36 ETC 22.33 CLP 15.88

PLANETOCENTRIC CONIC

C3 86.985 VML 9.327 OLA -.57 RAL 167.03 RAD 6569.7 VEL 14.434 PTH 2.62 VMP 17.279 OPA 21.99 RAP 139.78 ECC 2.4315
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 36 40 2556.87 -26.14 64.36 53.68 101.31 8 19 16 1956.9 -24.31 56.17
 90.00 19 26 18 5236.03 26.58 235.79 54.19 79.86 20 53 34 4636.0 24.91 227.52
 100.00 8 57 44 2295.33 -27.58 44.79 53.34 102.01 9 36 0 1695.3 -25.65 36.53
 100.00 20 47 54 4972.79 28.03 216.13 53.89 79.17 22 10 47 4372.8 26.25 207.78
 110.00 10 5 23 2083.60 -31.49 27.68 52.30 104.03 10 40 6 1483.6 -29.25 19.20
 110.00 21 56 45 4757.29 31.96 198.82 52.94 77.18 23 16 2 4157.3 29.87 190.24

DIFFERENTIAL CORRECTIONS

TOE .7812 TRA-1.9031 TC3 -.1671 BAU .2025
 ROE -.6600 RRA -.4092 RC3 .0489 FAU .01522
 FDE -.5275 FRA .9393 FC3 -.1515 BSP 3886
 BOE 1.0227 BRA 1.9466 BC3 .1741 FSP -152

MID-COURSE EXECUTION ACCURACY

SGT 1301.7 SGR 485.7 SG3 62.2
 RRT .1121 RRF -.1128 RTF -.7923
 SGB 1389.4 R23 -.0100 R13 -.7926
 SGI 1303.0 SG2 482.2 TMA 2.78

ORBIT DETERMINATION ACCURACY

ST 594.5 SR 412.4 SS 548.6
 CRT -.6858 CRS -.7806 CST .9894
 LSA 867.6 MSA 267.5 SSA 16.0
 EL1 673.2 EL2 265.0 ALF 149.30

LAUNCH DATE MAY 7 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC

DISTANCE 204.901
 RL 150.95 LAL -.00 LOL 225.76 VL 22.741 GAL 13.37 AZL 92.52 MCA 77.02 SMA 106.92 ECC .46259 INC 2.5232 V1 29.517
 RP 108.94 LAP -2.46 LOP 302.77 VP 34.573 GAP -27.53 AZP 90.57 TAL 163.37 TAP 240.39 RCA 57.46 APO 156.38 V2 34.786
 RC 51.953 GL -6.28 GP 3.28 ZAL 57.05 ZAP 14.86 ETS 194.14 ZAE 151.00 ETE 157.41 ZAC 125.64 ETC 21.78 CLP 14.51

PLANETOCENTRIC CONIC

C3 79.340 VML 8.907 DLA -1.40 RAL 167.37 RAD 6569.6 VEL 14.166 PTM 2.58 VMP 16.572 DPA 21.63 RAP 141.67 ECC 2.3057
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 44 10 2510.26 -25.47 61.11 52.11 102.81 8 26 0 1910.3 -23.46 53.02
 90.00 19 21 28 5240.95 26.64 236.14 53.35 80.02 20 48 49 4641.0 24.99 227.86
 100.00 9 4 51 2249.97 -26.90 41.60 51.74 103.56 9 42 21 1650.0 -24.76 33.45
 100.00 20 43 28 4976.48 28.08 216.40 53.06 79.30 22 6 24 4376.5 26.31 208.04
 110.00 10 1 37 2041.01 -30.75 24.59 50.59 105.73 10 45 38 1441.0 -28.29 16.26
 110.00 21 53 12 4758.20 31.98 198.89 52.12 77.22 23 12 30 4158.2 29.89 190.30

DIFFERENTIAL CORRECTIONS

TOE .7848 TRA-1.9001 TC3 -.1679 BAU .1876 SGT 1356.1 SGR 483.9 SG3 67.3 ORBIT DETERMINATION ACCURACY
 RDE -.6226 RRA -.3933 RC3 .0555 FAU .01565 RRT .1183 RRF -.1202 RTF -.8047 CRT -.6854 CRS -.7826 CST .9889
 FDE -.5527 FRA .9684 FC3 -.1707 BSP 4095 SGB 1439.9 R23 -.0115 R13 -.8050 LSA 902.7 MSA 267.3 SSA 16.1
 BDE 1.0018 BRA 1.9404 BC3 .1768 FSP -166 SGI 1357.5 SG2 480.0 TMA 2.76 EL1 696.3 EL2 266.0 ALF 151.32

LAUNCH DATE MAY 7 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 211.417
 RL 150.95 LAL -.00 LOL 225.76 VL 23.087 GAL 12.78 AZL 92.62 MCA 80.18 SMA 108.30 ECC .44319 INC 2.6225 V1 29.517
 RP 108.94 LAP -2.58 LOP 305.93 VP 34.800 GAP -26.31 AZP 90.45 TAL 162.83 TAP 243.01 RCA 60.30 APO 156.30 V2 34.785
 RC 50.440 GL -6.95 GP 3.45 ZAL 56.53 ZAP 13.57 ETS 196.02 ZAE 152.46 ETE 154.59 ZAC 123.90 ETC 21.26 CLP 13.13

PLANETOCENTRIC CONIC

C3 72.409 VML 8.509 DLA -2.25 RAL 167.64 RAD 6569.4 VEL 13.920 PTM 2.54 VMP 15.887 DPA 21.27 RAP 143.56 ECC 2.1917
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 51 31 2462.76 -24.71 57.84 50.48 104.28 8 32 34 1862.8 -22.51 49.86
 90.00 19 16 15 5246.03 26.70 236.50 52.42 80.20 20 43 41 4646.0 25.07 228.21
 100.00 9 11 45 2203.74 -26.12 38.38 50.08 105.08 9 48 33 1603.7 -23.79 30.36
 100.00 20 38 36 4980.28 28.13 216.67 52.14 79.43 22 1 38 4380.3 26.38 208.30
 110.00 10 17 40 1997.62 -29.91 21.49 48.83 107.38 10 50 57 1397.6 -27.24 13.31
 110.00 21 49 17 4759.18 31.99 198.96 51.21 77.26 23 8 36 4159.2 29.91 190.37

DIFFERENTIAL CORRECTIONS

TOE .7862 TRA-1.8977 TC3 -.1683 BAU .1739 SGT 1413.3 SGR 481.4 SG3 72.9 ORBIT DETERMINATION ACCURACY
 RDE -.5859 RRA -.3778 RC3 .0628 FAU .01611 RRT .1263 RRF -.1289 RTF -.8158 CRT -.6835 CRS -.7842 CST .9882
 FDE -.5793 FRA .9807 FC3 -.1926 BSP 4247 SGB 1493.1 R23 -.0126 R13 -.8161 LSA 938.7 MSA 266.9 SSA 16.2
 BDE .9803 BRA 1.9349 BC3 .1797 FSP -181 SGI 1414.8 SG2 477.1 TMA 2.78 EL1 719.7 EL2 266.5 ALF 153.26

LAUNCH DATE MAY 7 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC

DISTANCE 217.971
 RL 150.95 LAL -.00 LOL 225.76 VL 23.411 GAL 12.22 AZL 92.72 MCA 83.34 SMA 109.65 ECC .42460 INC 2.7198 V1 29.517
 RP 108.94 LAP -2.70 LOP 309.10 VP 35.015 GAP -25.12 AZP 90.32 TAL 162.32 TAP 245.66 RCA 63.09 APO 156.21 V2 34.784
 RC 49.035 GL -7.67 GP 3.63 ZAL 56.08 ZAP 12.30 ETS 198.37 ZAE 153.98 ETE 151.27 ZAC 122.16 ETC 20.78 CLP 11.76

PLANETOCENTRIC CONIC

C3 66.127 VML 8.132 DLA -3.11 RAL 167.83 RAD 6569.3 VEL 13.692 PTM 2.50 VMP 15.224 DPA 20.90 RAP 145.44 ECC 2.0883
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 58 45 2414.36 -23.86 54.55 48.80 103.72 8 38 59 1814.4 -21.48 46.69
 90.00 19 10 35 5251.41 26.76 236.88 51.41 80.38 20 38 6 4651.4 25.16 228.58
 100.00 9 18 36 2156.65 -25.24 35.16 48.36 106.57 9 54 35 1556.6 -22.73 27.26
 100.00 20 33 23 4984.36 28.18 216.96 51.13 79.58 21 56 27 4384.4 26.45 208.58
 110.00 10 23 33 1953.44 -28.97 18.39 47.02 109.00 10 56 6 1353.4 -26.10 10.58
 110.00 21 44 57 4760.33 32.01 199.05 50.22 77.31 23 4 18 4160.3 29.93 190.45

DIFFERENTIAL CORRECTIONS

TOE .7899 TRA-1.8913 TC3 -.1658 BAU .1594 SGT 1470.9 SGR 478.2 SG3 79.1 ORBIT DETERMINATION ACCURACY
 RDE -.5498 RRA -.3622 RC3 .0788 FAU .01663 RRT .1343 RRF -.1382 RTF -.8269 CRT -.6830 CRS -.7859 CST .9877
 FDE -.6083 FRA 1.0298 FC3 -.2177 BSP 4462 SGB 1546.7 R23 -.0145 R13 -.8272 LSA 977.6 MSA 265.4 SSA 16.3
 BDE .9824 BRA 1.9257 BC3 .1803 FSP -199 SGI 1472.4 SG2 473.4 TMA 2.79 EL1 745.4 EL2 265.3 ALF 155.17

LAUNCH DATE MAY 7 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC

DISTANCE 224.560
 RL 150.95 LAL -.00 LOL 225.76 VL 23.713 GAL 11.67 AZL 92.82 MCA 86.50 SMA 110.96 ECC .40684 INC 2.8159 V1 29.517
 RP 108.94 LAP -2.81 LOP 312.26 VP 35.218 GAP -23.99 AZP 90.17 TAL 161.85 TAP 248.35 RCA 65.82 APO 156.10 V2 34.784
 RC 47.750 GL -8.44 GP 3.82 ZAL 55.89 ZAP 11.06 ETS 201.38 ZAE 155.54 ETE 147.35 ZAC 120.41 ETC 20.33 CLP 10.38

PLANETOCENTRIC CONIC

C3 60.440 VML 7.774 DLA -4.00 RAL 167.96 RAD 6569.1 VEL 13.483 PTM 2.48 VMP 14.582 DPA 20.54 RAP 147.32 ECC 1.9947
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 5 51 2365.07 -22.91 51.25 47.08 107.11 8 45 17 1765.1 -20.35 43.51
 90.00 19 4 27 5257.32 26.83 237.30 50.32 80.58 20 32 4 4657.3 25.25 228.99
 100.00 9 25 20 2108.71 24.27 31.93 48.61 108.00 10 0 28 1508.7 -21.58 24.16
 100.00 20 27 40 4988.91 28.23 217.29 50.04 79.74 21 50 49 4388.9 26.53 208.90
 110.00 10 29 17 1908.50 -27.93 15.31 45.18 110.56 11 1 5 1308.5 -24.88 7.46
 110.00 21 40 12 4761.88 32.03 199.16 49.15 77.37 22 59 34 4161.9 29.96 190.56

DIFFERENTIAL CORRECTIONS

TOE .7941 TRA-1.8831 TC3 -.1610 BAU .1492 SGT 1529.9 SGR 474.3 SG3 85.7 ORBIT DETERMINATION ACCURACY
 RDE -.5144 RRA -.3473 RC3 .0797 FAU .01721 RRT .1433 RRF -.1489 RTF -.8375 CRT -.6824 CRS -.7875 CST .9873
 FDE -.6397 FRA 1.0622 FC3 -.2465 BSP 4678 SGB 1801.7 R23 -.0166 R13 -.8379 LSA 1018.7 MSA 263.1 SSA 16.4
 BDE .9462 BRA 1.9148 BC3 .1797 FSP -218 SGI 1531.6 SG2 468.9 TMA 2.81 EL1 772.8 EL2 263.1 ALF 157.02

LAUNCH DATE MAY 7 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 231.179

RL 150.95 LAL -1.00 LOL 225.76 VL 23.996 GAL 11.15 AZL 92.91 MCA 89.66 SMA 112.22 ECC .38989 INC 2.9114 VI 29.517
 RP 108.94 LAP -2.91 LOP 315.42 VP 35.410 GAP -22.89 AZP 90.02 TAL 161.41 TAP 251.07 RCA 68.47 APO 155.98 V2 34.785
 RC 46.594 GL -9.25 GP 4.04 ZAL 55.38 ZAP 9.86 ETS 205.28 ZAE 157.09 ETE 142.70 ZAC 118.66 ETC 19.90 CLP 9.00

PLANETOCENTRIC CONIC

C3 55.298 VML 7.436 DLA -4.90 RAL 168.01 RAD 6569.0 VEL 13.291 PTM 2.43 VMP 13.961 DPA 20.18 RAP 149.18 ECC 1.9100
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 12 53 2314.88 -21.87 47.94 45.32 108.45 8 51 28 1714.9 -19.15 40.32
 90.00 18 57 49 5263.94 26.90 237.77 49.15 80.80 20 25 33 4663.9 25.35 229.45
 100.00 9 31 55 2059.93 -23.21 28.69 44.82 109.39 10 6 15 1459.9 -20.35 21.06
 100.00 20 21 28 4994.13 28.29 217.66 48.88 79.39 21 44 42 4394.1 26.61 209.26
 110.00 10 34 52 1862.84 -26.80 12.23 43.32 112.06 11 5 55 1262.8 -23.57 4.56
 110.00 21 35 0 4783.98 32.06 199.32 48.01 77.46 22 54 24 4164.0 30.00 190.71

DIFFERENTIAL CORRECTIONS

TDE .7987 TRA-1.8727 TC3 -.1537 BAU .1315
 RDE -.4797 RRA -.3328 RC3 .0895 FAU .01785
 FDE -.6737 FRA 1.0958 FC3 -.2794 BSP 4898
 BDE .9317 BRA 1.9021 BC3 .1779 FSP -239

MID-COURSE EXECUTION ACCURACY

SGT 1590.1 SGR 469.7 SG3 93.1
 RRT .1537 RRF -.1612 RTF -.8476
 SGB 1658.0 R23 -.0190 R13 -.8479
 SGI 1591.9 SG2 463.6 TMA 2.84

ORBIT DETERMINATION ACCURACY

ST 753.4 SR 377.6 SS 697.4
 CRT -.6818 CRS -.7887 CST .9869
 LSA 1082.3 MSA 260.2 SSA 16.5
 EL1 801.7 EL2 259.6 ALF 158.80

LAUNCH DATE MAY 7 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 237.825

RL 150.95 LAL -1.00 LOL 225.76 VL 24.261 GAL 10.65 AZL 93.01 MCA 92.82 SMA 113.45 ECC .37374 INC 3.0068 VI 29.517
 RP 108.94 LAP -3.00 LOP 318.59 VP 35.591 GAP -21.83 AZP 89.85 TAL 161.01 TAP 253.84 RCA 71.05 APO 155.85 V2 34.786
 RC 45.578 GL -10.12 GP 4.28 ZAL 55.14 ZAP 8.72 ETS 210.40 ZAE 158.58 ETE 137.17 ZAC 116.91 ETC 19.50 CLP 7.61

PLANETOCENTRIC CONIC

C3 50.848 VML 7.117 DLA -5.84 RAL 167.98 RAD 6568.9 VEL 13.115 PTM 2.39 VMP 13.360 DPA 19.83 RAP 151.04 ECC 1.8335
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 19 51 2263.81 -20.73 44.62 43.54 109.73 8 57 34 1663.8 -17.86 37.13
 90.00 18 50 38 5271.51 26.90 238.31 47.92 81.06 20 18 29 4671.5 25.47 229.97
 100.00 9 38 25 2010.32 -22.05 25.46 43.02 110.71 10 11 56 1410.3 -19.03 17.97
 100.00 20 14 44 5000.23 28.37 218.10 47.66 80.15 21 38 4 4400.2 26.71 209.69
 110.00 10 40 20 1816.47 -25.58 9.18 41.45 113.49 11 10 37 1216.5 -22.18 1.68
 110.00 21 29 18 4766.84 32.11 199.53 46.81 77.58 22 48 45 4166.8 30.06 190.91

DIFFERENTIAL CORRECTIONS

TDE .8038 TRA-1.8804 TC3 -.1436 BAU .1186
 RDE -.4458 RRA -.3189 RC3 .1002 FAU .01855
 FDE -.7109 FRA 1.1309 FC3 -.3171 BSP 5125
 BDE .9191 BRA 1.8875 BC3 .1751 FSP -263

MID-COURSE EXECUTION ACCURACY

SGT 1851.5 SGR 464.4 SG3 101.1
 RRT .1659 RRF -.1754 RTF -.8571
 SGB 1715.5 R23 -.0217 R13 -.8575
 SGI 1853.4 SG2 457.4 TMA 2.89

ORBIT DETERMINATION ACCURACY

ST 789.2 SR 367.1 SS 732.9
 CRT -.6809 CRS -.7896 CST .9865
 LSA 1108.4 MSA 256.6 SSA 16.6
 EL1 832.2 EL2 254.9 ALF 160.53

LAUNCH DATE MAY 7 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 244.494

RL 150.95 LAL -1.00 LOL 225.76 VL 24.508 GAL 10.17 AZL 93.10 MCA 95.98 SMA 114.63 ECC .35838 INC 3.1028 VI 29.517
 RP 108.93 LAP -3.09 LOP 321.75 VP 35.762 GAP -20.82 AZP 89.68 TAL 160.65 TAP 256.63 RCA 73.55 APO 155.71 V2 34.788
 RC 44.711 GL -11.04 GP 4.55 ZAL 54.98 ZAP 7.69 ETS 217.22 ZAE 159.92 ETE 130.62 ZAC 115.17 ETC 19.13 CLP 6.20

PLANETOCENTRIC CONIC

C3 46.455 VML 6.816 DLA -6.80 RAL 167.87 RAD 6568.7 VEL 12.954 PTM 2.36 VMP 12.779 DPA 19.49 RAP 152.89 ECC 1.7645
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 26 46 2211.85 -19.50 41.31 41.74 110.95 9 3 38 1611.8 -16.48 33.94
 90.00 18 42 51 5280.27 27.07 238.94 46.63 81.36 20 10 52 4680.3 25.60 230.58
 100.00 9 44 52 1959.90 -20.80 22.24 41.20 111.97 10 17 32 1359.9 -17.64 14.87
 100.00 20 7 27 5007.45 28.45 218.62 46.38 80.41 21 30 54 4407.5 26.83 210.19
 110.00 10 45 42 1769.44 -24.27 6.16 39.57 114.85 11 15 11 1169.4 -20.72 358.82
 110.00 21 23 6 4770.67 32.16 199.82 45.55 77.74 22 42 37 4170.7 30.14 191.19

DIFFERENTIAL CORRECTIONS

TDE .8098 TRA-1.8461 TC3 -.1302 BAU .1067
 RDE -.4121 RRA -.3058 RC3 .1120 FAU .01933
 FDE -.7516 FRA 1.1677 FC3 -.3802 BSP 5351
 BDE .9087 BRA 1.8712 BC3 .1718 FSP -289

MID-COURSE EXECUTION ACCURACY

SGT 1713.9 SGR 458.6 SG3 109.9
 RRT .1802 RRF -.1920 RTF -.8661
 SGB 1774.2 R23 -.0247 R13 -.8665
 SGI 1716.0 SG2 450.6 TMA 2.96

ORBIT DETERMINATION ACCURACY

ST 826.6 SR 355.1 SS 770.8
 CRT -.6796 CRS -.7899 CST .9862
 LSA 1157.4 MSA 252.3 SSA 16.7
 EL1 864.5 EL2 249.1 ALF 162.20

LAUNCH DATE MAY 7 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 251.181

RL 150.95 LAL -1.00 LOL 225.76 VL 24.738 GAL 9.71 AZL 93.20 MCA 99.14 SMA 115.76 ECC .34380 INC 3.1998 VI 29.517
 RP 108.92 LAP -3.16 LOP 324.92 VP 35.923 GAP -19.83 AZP 89.49 TAL 160.33 TAP 259.47 RCA 75.96 APO 155.56 V2 34.791
 RC 44.000 GL -12.03 GP 4.85 ZAL 54.90 ZAP 6.81 ETS 226.28 ZAE 161.05 ETE 122.99 ZAC 113.42 ETC 18.77 CLP 4.78

PLANETOCENTRIC CONIC

C3 42.677 VML 6.533 DLA -7.79 RAL 167.89 RAD 6568.6 VEL 12.808 PTM 2.33 VMP 12.217 DPA 19.17 RAP 154.73 ECC 1.7024
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 33 41 2158.98 -18.18 37.99 39.94 112.09 9 9 40 1359.0 -15.03 30.74
 90.00 18 34 27 5290.48 27.17 239.67 45.30 81.71 20 2 38 4690.5 25.75 231.29
 100.00 9 51 17 1908.66 -19.46 19.02 39.38 113.15 10 23 6 1308.7 -16.16 11.78
 100.00 19 59 33 5016.03 28.54 219.24 45.06 80.73 21 23 9 4416.0 26.97 210.79
 110.00 10 50 30 1721.78 -22.67 3.16 37.70 116.12 11 19 40 1121.8 -19.17 355.98
 110.00 21 16 21 4775.68 32.23 200.19 44.26 77.95 22 35 57 4175.7 30.24 191.54

DIFFERENTIAL CORRECTIONS

TDE .8164 TRA-1.8298 TC3 -.1133 BAU .0962
 RDE -.3791 RRA -.2935 RC3 .1248 FAU .02019
 FDE -.7966 FRA 1.2064 FC3 -.4095 BSP 5578
 BDE .9001 BRA 1.8532 BC3 .1686 FSP -317

MID-COURSE EXECUTION ACCURACY

SGT 1777.2 SGR 452.4 SG3 119.6
 RRT .1972 RRF -.2115 RTF -.8746
 SGB 1833.8 R23 -.0281 R13 -.8750
 SGI 1779.5 SG2 442.9 TMA 3.06

ORBIT DETERMINATION ACCURACY

ST 865.4 SR 341.6 SS 811.4
 CRT -.6775 CRS -.7893 CST .9859
 LSA 1209.3 MSA 247.6 SSA 16.7
 EL1 898.3 EL2 242.0 ALF 163.82

EARTH-VENUS TRAJECTORIES (VOL. 3, 1967)

JPL TM 33-99

LAUNCH DATE MAY 7 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 25 1967

DISTANCE 257.883

HELIOCENTRIC CONIC
 RL 150.95 LAL -.00 LOL 225.76 VL 24.953 GAL 9.27 AZL 93.30 MCA 102.30 SMA 116.85 ECC .32998 INC 3.2987 V1 29.517
 RP 108.91 LAP -3.22 LOP 328.09 VP 36.075 GAP -18.88 ATP 89.30 TAL 160.05 TAP 262.35 RCA 78.29 APO 155.41 V2 34.795
 RC 43.455 GL -13.07 GP 5.18 ZAL 54.90 ZAP 6.16 ETS 237.98 ZAE 161.85 ETE 114.34 ZAC 111.69 ETC 18.44 CLP 3.34

PLANETOCENTRIC CONIC
 C3 39.281 VHL 6.267 DLA -8.81 RAL 167.42 RAD 6568.5 VEL 12.675 PTH 2.30 WMP 11.674 DPA 18.88 RAP 156.55 ECC 1.6465
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ABC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 40 39 2105.19 -16.77 34.67 36.14 113.15 9 15 44 1505.2 -13.50 27.53
 90.00 18 25 22 5302.41 27.29 240.52 43.93 82.13 19 53 44 4702.4 25.92 232.12
 100.00 9 57 42 1856.60 -18.04 15.81 37.56 114.25 10 28 39 1256.6 -14.61 8.70
 100.00 19 51 0 5026.23 28.65 219.98 43.70 81.10 21 14 46 4426.2 27.13 211.51
 110.00 10 56 11 1673.90 -21.39 .20 35.84 117.32 11 24 4 1073.5 -17.56 353.16
 110.00 21 9 1 4782.09 32.32 200.67 42.92 78.22 22 28 43 4182.1 30.56 192.00

MIO-COURSE EXECUTION ACCURACY
 SGT 1841.0 SGR 445.8 SG3 130.2
 RRT .2173 RRF -.2344 RTF -.8826
 SGT 1894.2 R23 -.0321 R13 -.8831
 SGT 1843.7 SGT 434.5 TMA 3.19

ORBIT DETERMINATION ACCURACY
 ST 905.8 SR 326.4 SS 855.1
 CRT -.6744 CRS -.7876 CST .9857
 LSA 1264.6 MSA 242.2 SSA 16.7
 EL1 934.0 EL2 233.7 ALF 165.41

LAUNCH DATE MAY 7 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 27 1967

DISTANCE 264.598

HELIOCENTRIC CONIC
 RL 150.95 LAL -.00 LOL 225.76 VL 25.153 GAL 8.85 AZL 93.40 MCA 105.46 SMA 117.89 ECC .31691 INC 3.3999 V1 29.517
 RP 108.90 LAP -3.28 LOP 331.25 VP 36.217 GAP -17.97 ATP 89.09 TAL 159.81 TAP 265.27 RCA 80.53 APO 155.25 V2 34.799
 RC 43.079 GL -14.17 GP 5.55 ZAL 54.90 ZAP 5.86 ETS 252.01 ZAE 162.25 ETE 104.97 ZAC 109.96 ETC 18.12 CLP 1.88

PLANETOCENTRIC CONIC
 C3 36.235 VHL 6.020 DLA -9.86 RAL 167.07 RAD 6568.4 VEL 12.554 PTH 2.28 WMP 11.149 DPA 18.62 RAP 158.36 ECC 1.5963
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ABC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 47 42 2050.43 -15.28 31.35 36.35 114.14 9 21 52 1450.4 -11.89 24.31
 90.00 18 15 32 5316.37 27.41 241.52 42.52 82.62 19 44 9 4716.4 26.11 233.10
 100.00 10 4 10 1803.71 -16.53 12.61 35.76 115.27 10 34 14 1203.7 -12.99 5.61
 100.00 19 41 45 5036.33 28.78 220.86 42.31 81.55 21 5 43 4438.3 27.31 212.36
 110.00 11 1 21 1624.84 -19.84 357.26 33.99 118.42 11 28 26 1024.6 -15.89 350.37
 110.00 21 1 3 4790.16 32.43 201.27 41.56 78.56 22 20 53 4190.2 30.52 192.58

MIO-COURSE EXECUTION ACCURACY
 SGT 1905.5 SGR 439.1 SG3 141.9
 RRT .2415 RRF -.2617 RTF -.8901
 SGT 1955.4 R23 -.0365 R13 -.8907
 SGT 1908.6 SGT 425.4 TMA 3.35

ORBIT DETERMINATION ACCURACY
 ST 947.8 SR 309.4 SS 902.2
 CRT -.6695 CRS -.7842 CST .9855
 LSA 1323.6 MSA 236.5 SSA 16.7
 EL1 971.5 EL2 224.2 ALF 166.97

LAUNCH DATE MAY 7 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 29 1967

DISTANCE 271.321

HELIOCENTRIC CONIC
 RL 150.95 LAL -.00 LOL 225.76 VL 25.340 GAL 8.45 AZL 93.50 MCA 108.63 SMA 118.89 ECC .30456 INC 3.5044 V1 29.517
 RP 108.88 LAP -3.32 LOP 334.42 VP 36.352 GAP -17.08 ATP 88.88 TAL 159.60 TAP 268.23 RCA 82.68 APO 155.09 V2 34.804
 RC 42.876 GL -15.35 GP 5.97 ZAL 55.15 ZAP 5.98 ETS 266.88 ZAE 162.17 ETE 95.36 ZAC 108.40 ETC 17.82 CLP .40

PLANETOCENTRIC CONIC
 C3 33.509 VHL 5.789 DLA -10.96 RAL 166.84 RAD 6568.3 VEL 12.445 PTH 2.25 WMP 10.642 DPA 18.40 RAP 160.16 ECC 1.5515
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ABC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 54 52 1994.65 -13.70 28.01 34.59 115.03 9 28 7 1394.7 -10.21 21.07
 90.00 18 4 54 5332.67 27.55 242.70 41.10 83.19 19 33 47 4732.7 26.32 234.24
 100.00 10 10 44 1749.93 -14.94 9.41 33.97 116.20 10 39 54 1149.9 -11.30 2.51
 100.00 19 31 44 5052.62 28.92 221.90 40.90 82.08 20 55 57 4452.6 27.52 213.37
 110.00 11 6 32 1575.18 -18.21 354.35 32.17 119.44 11 32 47 975.2 -14.15 347.59
 110.00 20 52 25 4800.14 32.57 202.02 40.19 78.98 22 12 25 4200.1 30.70 193.29

MIO-COURSE EXECUTION ACCURACY
 SGT 1969.9 SGR 432.5 SG3 154.6
 RRT .2701 RRF -.2940 RTF -.8971
 SGT 2016.8 R23 -.0419 R13 -.8977
 SGT 1973.5 SGT 415.7 TMA 3.55

ORBIT DETERMINATION ACCURACY
 ST 991.8 SR 290.4 SS 953.0
 CRT -.6621 CRS -.7783 CST .9855
 LSA 1386.6 MSA 230.4 SSA 16.7
 EL1 1011.1 EL2 213.5 ALF 168.51

LAUNCH DATE MAY 7 1967

FLIGHT TIME 116.00

ARRIVAL DATE AUG 31 1967

DISTANCE 278.050

HELIOCENTRIC CONIC
 RL 150.95 LAL -.00 LOL 225.76 VL 25.513 GAL 8.07 AZL 93.61 MCA 111.79 SMA 119.83 ECC .29292 INC 3.6128 V1 29.517
 RP 108.87 LAP -3.35 LOP 337.59 VP 36.478 GAP -18.23 ATP 88.66 TAL 159.44 TAP 271.23 RCA 84.73 APO 154.93 V2 34.809
 RC 42.849 GL -16.59 GP 6.43 ZAL 55.41 ZAP 6.53 ETS 280.48 ZAE 161.63 ETE 86.11 ZAC 106.53 ETC 17.54 CLP -1.12

PLANETOCENTRIC CONIC
 C3 31.080 VHL 5.575 DLA -12.09 RAL 166.12 RAD 6568.2 VEL 12.347 PTH 2.23 WMP 10.153 DPA 18.22 RAP 161.95 ECC 1.5115
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ABC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 2 15 1937.75 -12.03 24.66 32.85 115.83 9 34 33 1337.7 -8.46 17.81
 90.00 17 53 23 5351.67 27.70 244.07 39.66 83.86 19 22 35 4751.7 26.56 235.59
 100.00 10 17 26 1695.22 -13.27 6.20 32.22 117.03 10 45 41 1095.2 -9.54 359.40
 100.00 19 20 54 5069.43 29.07 223.12 39.48 82.71 20 45 23 4469.4 27.75 214.57
 110.00 11 11 44 1525.14 -16.51 351.46 30.36 120.36 11 37 9 925.1 -12.36 344.82
 110.00 20 43 5 4812.28 32.72 202.93 38.81 79.50 22 3 17 4212.3 30.93 194.17

MIO-COURSE EXECUTION ACCURACY
 SGT 2032.9 SGR 426.5 SG3 169.1
 RRT .3044 RRF -.3322 RTF -.9042
 SGT 2077.1 R23 -.0478 R13 -.9049
 SGT 2037.2 SGT 405.4 TMA 3.81

ORBIT DETERMINATION ACCURACY
 ST 1037.8 SR 269.2 SS 1008.1
 CRT -.6510 CRS -.7685 CST .9856
 LSA 1454.5 MSA 223.7 SSA 16.6
 EL1 1053.1 EL2 201.4 ALF 170.05

LAUNCH DATE MAY 7 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

RL 150.95 LAL - .00 LOL 225.76 VL 25.674 GAL 7.71 AZL 93.73 MCA 114.96 SMA 120.73 ECC .28197 INC 3.7262 VI 29.517
 RP 108.85 LAP -3.38 LOP 340.77 VP 36.596 GAP -15.40 APP 88.43 TAL 159.31 TAP 274.27 RCA 86.69 APO 154.77 V2 34.815
 RC 42.995 GL -17.91 GP 6.96 ZAL 55.75 ZAP 7.46 ETS 291.54 ZAE 160.87 ETE 77.72 ZAC 104.85 ETC 17.26 CLP -2.67

PLANETOCENTRIC CONIC

C3 28.923 VML 5.378 DLA -13.27 RAL 165.51 RAD 6568.2 VEL 12.260 PTH 2.21 WMP 9.682 OPA 18.11 RAP 163.72 ECC 1.4760
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 55 1879.59 -10.29 21.29 31.15 116.53 9 41 15 1279.6 -6.64 14.50
 90.00 17 40 53 5373.77 27.85 245.67 36.22 84.65 19 10 27 4773.8 26.81 237.15
 100.00 10 24 21 1639.48 -11.52 2.99 30.50 117.77 10 51 40 1039.5 -7.72 356.27
 100.00 19 9 9 5089.11 29.23 224.57 36.06 83.45 20 33 58 4489.1 28.02 215.97
 110.00 11 17 1 1474.49 -14.75 348.60 28.63 121.19 11 41 36 874.5 -10.51 342.06
 110.00 20 32 58 4826.87 32.90 204.03 37.44 80.13 21 53 25 4226.9 31.18 195.23

DIFFERENTIAL CORRECTIONS

TOE .8703 TRA-1.7176 TC3 .0323 BAU .0812
 ROE -.2174 RRA -.2489 RC3 .2075 FAU .02800
 FDE-1.1132 FRA 1.4353 FC3 -.7782 BAP 6705
 BOE .8970 BRA 1.7356 BC3 .2100 FSP -512

MID-COURSE EXECUTION ACCURACY

SGT 2096.6 SGR 421.5 SG3 184.8
 RRT .3455 RRF -.3774 RTF -.9103
 SGB 2158.5 R23 -.0547 R13 -.9112
 SGI 2101.8 SGI 394.6 TMA 4.12

ORBIT DETERMINATION ACCURACY

ST 1085.2 SR 245.7 SS 1067.7
 CRT -.6323 CRS -.7524 CST .9857
 LSA 1526.7 MSA 217.2 SSA 16.4
 EL1 1096.6 EL2 188.3 ALF 171.60

LAUNCH DATE MAY 7 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

RL 150.95 LAL - .00 LOL 225.76 VL 25.823 GAL 7.36 AZL 93.85 MCA 118.12 SMA 121.58 ECC .27169 INC 3.8456 VI 29.517
 RP 108.83 LAP -3.39 LOP 343.94 VP 36.708 GAP -14.60 APP 88.19 TAL 159.22 TAP 277.34 RCA 88.55 APO 154.61 V2 34.822
 RC 43.312 GL -19.30 GP 7.57 ZAL 56.18 ZAP 8.68 ETS 299.92 ZAE 159.36 ETE 70.47 ZAC 103.18 ETC 17.00 CLP -4.26

PLANETOCENTRIC CONIC

C3 27.018 VML 5.198 DLA -14.49 RAL 164.82 RAD 6568.1 VEL 12.182 PTH 2.19 WMP 9.228 OPA 18.07 RAP 165.48 ECC 1.4446
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 17 59 1819.99 -8.45 17.86 29.50 117.13 9 48 18 1220.0 -4.75 11.14
 90.00 17 27 19 5399.41 28.00 247.53 36.79 85.57 18 57 18 4799.4 27.09 238.98
 100.00 10 31 33 1582.57 -9.70 359.75 28.83 118.41 10 57 56 982.6 -5.83 353.10
 100.00 18 56 25 5112.06 29.40 228.25 36.65 84.32 20 21 37 4512.1 28.30 217.62
 110.00 11 22 27 1423.18 -12.92 345.75 28.93 121.93 11 46 10 823.2 -8.61 339.30
 110.00 20 22 1 4844.22 33.09 205.35 38.08 80.89 21 42 45 4244.2 31.48 196.50

DIFFERENTIAL CORRECTIONS

TOE .8863 TRA-1.6891 TC3 .0743 BAU .0867
 ROE -.1840 RRA -.2446 RC3 .2284 FAU .02754
 FDE-1.2029 FRA 1.4899 FC3 -.8824 BAP 6925
 BOE .9032 BRA 1.7068 BC3 .2401 FSP -564

MID-COURSE EXECUTION ACCURACY

SGT 2158.4 SGR 418.4 SG3 202.2
 RRT .3939 RRF -.4301 RTF -.9163
 SGB 2198.6 R23 -.0625 R13 -.9172
 SGI 2164.9 SGI 383.4 TMA 4.51

ORBIT DETERMINATION ACCURACY

ST 1134.6 SR 219.5 SS 1132.5
 CRT -.6021 CRS -.7257 CST .9859
 LSA 1604.2 MSA 210.7 SSA 16.2
 EL1 1142.4 EL2 174.0 ALF 173.20

LAUNCH DATE MAY 7 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

RL 150.95 LAL - .00 LOL 225.76 VL 25.961 GAL 7.04 AZL 93.97 MCA 121.29 SMA 122.38 ECC .26206 INC 3.9723 VI 29.517
 RP 108.80 LAP -3.39 LOP 347.11 VP 36.812 GAP -13.82 APP 87.93 TAL 159.17 TAP 280.46 RCA 90.31 APO 154.45 V2 34.830
 RC 43.796 GL -20.76 GP 8.25 ZAL 56.70 ZAP 10.13 ETS 306.08 ZAE 157.81 ETE 64.43 ZAC 101.53 ETC 16.75 CLP -5.90

PLANETOCENTRIC CONIC

C3 25.348 VML 5.035 DLA -15.76 RAL 164.04 RAD 6568.0 VEL 12.113 PTH 2.17 WMP 8.791 OPA 18.11 RAP 167.23 ECC 1.4172
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 26 33 1758.65 -6.53 14.38 27.91 117.61 9 55 51 1158.7 -2.78 7.71
 90.00 17 12 31 5429.15 28.13 249.69 35.37 86.65 18 43 0 4829.1 27.37 241.11
 100.00 10 39 11 1524.29 -7.79 356.47 27.22 118.95 11 4 35 924.5 -3.87 349.88
 100.00 18 42 34 5136.74 29.56 228.22 35.25 85.34 20 8 13 4536.7 28.60 219.54
 110.00 11 28 4 1371.13 -11.03 342.80 25.27 122.56 11 50 55 771.1 -6.65 336.54
 110.00 20 10 10 4864.66 33.30 206.91 34.76 81.79 21 31 15 4264.7 31.81 198.00

DIFFERENTIAL CORRECTIONS

TOE .9073 TRA-1.6563 TC3 .1235 BAU .0948
 ROE -.1495 RRA -.2423 RC3 .2511 FAU .02929
 FDE-1.3063 FRA 1.5469 FC3 -1.0003 BAP 7199
 BOE .9195 BRA 1.6740 BC3 .2798 FSP -625

MID-COURSE EXECUTION ACCURACY

SGT 2217.6 SGR 418.2 SG3 221.5
 RRT .4495 RRF -.4905 RTF -.9223
 SGB 2256.7 R23 -.0715 R13 -.9235
 SGI 2225.8 SGI 372.2 TMA 4.99

ORBIT DETERMINATION ACCURACY

ST 1198.0 SR 190.7 SS 1203.8
 CRT -.5521 CRS -.6797 CST .9865
 LSA 1689.8 MSA 203.4 SSA 15.9
 EL1 1192.7 EL2 158.4 ALF 174.84

LAUNCH DATE MAY 7 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

RL 150.95 LAL - .00 LOL 225.76 VL 26.089 GAL 6.73 AZL 94.11 MCA 124.46 SMA 123.14 ECC .25305 INC 4.1079 VI 29.517
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.910 GAP -13.07 APP 87.67 TAL 159.15 TAP 283.61 RCA 91.98 APO 154.30 V2 34.838
 RC 44.440 GL -22.31 GP 9.04 ZAL 57.31 ZAP 11.78 ETS 310.54 ZAE 156.09 ETE 59.56 ZAC 99.90 ETC 16.51 CLP -7.59

PLANETOCENTRIC CONIC

C3 23.898 VML 4.889 DLA -17.09 RAL 163.17 RAD 6568.0 VEL 12.053 PTH 2.15 WMP 8.372 OPA 18.26 RAP 168.97 ECC 1.3933
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 35 48 1695.20 -4.92 10.81 26.39 117.98 10 4 3 1095.2 -7.74 4.16
 90.00 18 56 19 5483.64 28.25 252.21 33.97 87.91 18 27 23 4863.6 27.66 243.59
 100.00 10 47 20 1464.37 -5.80 353.13 25.68 119.37 11 11 45 864.4 -1.85 346.58
 100.00 18 27 28 5169.71 29.71 230.51 33.89 86.54 19 53 38 4569.7 28.91 221.79
 110.00 11 33 59 1318.24 -9.07 340.05 23.68 123.10 11 55 57 718.2 -4.65 333.75
 110.00 19 57 19 4888.60 33.52 208.74 33.47 82.86 21 18 48 4288.6 32.17 199.77

DIFFERENTIAL CORRECTIONS

TOE .9285 TRA-1.6244 TC3 .1717 BAU .1037
 ROE -.1131 RRA -.2423 RC3 .2756 FAU .03115
 FDE-1.4233 FRA 1.6087 FC3 -1.1284 BAP 7398
 BOE .9354 BRA 1.6424 BC3 .3247 FSP -690

MID-COURSE EXECUTION ACCURACY

SGT 2275.9 SGR 422.4 SG3 242.7
 RRT .5125 RRF -.5581 RTF -.9275
 SGB 2314.7 R23 -.0821 R13 -.9288
 SGI 2286.4 SGI 361.0 TMA 5.57

ORBIT DETERMINATION ACCURACY

ST 1241.5 SR 159.9 SS 1280.6
 CRT -.4580 CRS -.5937 CST .9869
 LSA 1779.9 MSA 197.2 SSA 15.5
 EL1 1243.7 EL2 141.9 ALF 176.58

LAUNCH DATE MAY 7 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 311.697

RL 150.95 LAL -.00 LOL 225.76 VL 26.207 GAL 6.44 AZL 94.25 MCA 127.63 SMA 123.85 ECC .24465 INC 4.2543 V1 29.517
 RP 108.75 LAP -3.37 LOP 353.47 VP 37.002 GAP -12.34 AZP 87.40 TAL 159.16 TAP 286.79 RCA 93.55 APO 154.15 V2 34.846
 RC 45.237 GL -23.95 GP 9.94 ZAL 58.00 ZAP 13.61 ETS 313.75 ZAE 154.27 ETE 55.73 ZAC 98.30 ETC 16.26 CLP -9.34

PLANETOCENTRIC CONIC

C3 22.856 VML 4.780 DLA -18.47 RAL 162.21 RAD 6567.9 VEL 12.001 PTM 2.14 VWP 7.972 DPA 18.53 RAP 170.71 ECC 1.3729
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 46 0 1629.03 -2.39 7.10 24.96 118.22 10 13 9 1029.0 1.40 .47
 90.00 16 38 29 5503.77 28.31 255.14 32.60 89.37 18 10 13 4903.8 27.92 246.50
 100.00 10 56 14 1402.36 -3.72 349.71 24.23 119.68 11 19 37 802.4 .26 343.18
 100.00 18 10 56 5205.67 29.83 233.17 32.56 87.94 19 37 41 4605.7 29.22 224.42
 110.00 11 40 18 1264.32 -7.06 337.18 22.17 123.53 12 1 22 664.3 -2.60 330.93
 110.00 19 43 22 4916.48 33.73 210.89 32.24 84.11 21 5 18 4316.5 32.55 201.86

DIFFERENTIAL CORRECTIONS

TOE .9530 TRA-1.5903 TC3 .2224 BAU .1137
 RDE -.0740 RRA -.2450 RC3 .3024 FAU .03319
 FDE-1.5577 FRA 1.6741 FC3-1.2683 BSP 7600
 BDE .9558 BRA 1.6091 BC3 .3754 FSP -762

MID-COURSE EXECUTION ACCURACY

SGT 2331.1 SGR 432.9 SG3 266.1
 RRT .5808 RRF -.6306 RTF -.9324
 SGB 2370.9 R23 -.0941 R13 -.9340
 SGI 2344.9 SG2 350.4 THA 6.30

ORBIT DETERMINATION ACCURACY

ST 1297.1 SR 129.3 SS 1364.3
 CRT -.2724 CRS -.4190 CST .9875
 LSA 1877.1 MSA 191.3 SSA 15.1
 EL1 1297.6 EL2 124.3 ALF 178.43

LAUNCH DATE MAY 7 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 318.411

RL 150.95 LAL -.00 LOL 225.76 VL 26.316 GAL 6.16 AZL 94.41 MCA 130.80 SMA 124.51 ECC .23683 INC 4.4138 V1 29.517
 RP 108.72 LAP -3.34 LOP 356.64 VP 37.088 GAP -11.63 AZP 87.11 TAL 159.20 TAP 290.00 RCA 95.02 APO 154.00 V2 34.856
 RC 46.178 GL -25.67 GP 10.99 ZAL 58.78 ZAP 15.62 ETS 316.02 ZAE 152.41 ETE 52.83 ZAC 96.73 ETC 16.02 CLP -11.16

PLANETOCENTRIC CONIC

C3 21.613 VML 4.649 DLA -19.90 RAL 161.16 RAD 6567.9 VEL 11.958 PTM 2.13 VWP 7.589 DPA 18.95 RAP 172.45 ECC 1.3557
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 57 27 1559.24 -.14 3.21 23.65 118.32 10 23 27 959.2 3.64 356.58
 90.00 16 18 39 5550.73 28.30 258.58 31.26 91.10 17 51 10 4950.7 28.15 249.92
 100.00 11 6 7 1337.67 -1.54 346.15 22.88 119.86 11 28 25 737.7 2.45 339.63
 100.00 17 52 41 5247.53 29.89 236.29 31.27 89.57 19 20 8 4647.5 29.51 227.50
 110.00 11 47 8 1209.11 -4.97 334.26 20.74 123.86 12 7 18 609.1 -.49 328.05
 110.00 19 28 9 4948.86 33.93 213.40 31.07 85.58 20 50 38 4348.9 32.95 204.30

DIFFERENTIAL CORRECTIONS

TOE .9799 TRA-1.5546 TC3 .2722 BAU .1239
 RDE -.0312 RRA -.2508 RC3 .3315 FAU .03539
 FDE-1.7119 FRA 1.7432 FC3-1.4174 BSP 7781
 BDE .9804 BRA 1.5747 BC3 .4289 FSP -841

MID-COURSE EXECUTION ACCURACY

SGT 2382.1 SGR 452.2 SG3 291.8
 RRT .6510 RRF -.7045 RTF -.9368
 SGB 2424.7 R23 -.1079 R13 -.9388
 SGI 2400.6 SG2 340.6 THA 7.19

ORBIT DETERMINATION ACCURACY

ST 1353.6 SR 106.2 SS 1454.8
 CRT .0968 CRS -.0558 CST .9880
 LSA 1981.2 MSA 186.0 SSA 14.5
 EL1 1353.6 EL2 105.7 ALF .44

LAUNCH DATE MAY 7 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 325.117

RL 150.95 LAL -.00 LOL 225.76 VL 26.416 GAL 5.91 AZL 94.59 MCA 133.97 SMA 125.13 ECC .22957 INC 4.5895 V1 29.517
 RP 108.69 LAP -3.30 LOP 359.82 VP 37.168 GAP -10.95 AZP 86.81 TAL 159.27 TAP 293.24 RCA 96.41 APO 153.86 V2 34.865
 RC 47.255 GL -27.48 GP 12.22 ZAL 59.64 ZAP 17.81 ETS 317.58 ZAE 150.54 ETE 50.75 ZAC 95.19 ETC 15.77 CLP -13.05

PLANETOCENTRIC CONIC

C3 20.763 VML 4.557 DLA -21.41 RAL 160.02 RAD 6567.8 VEL 11.922 PTM 2.12 VWP 7.226 DPA 19.56 RAP 174.19 ECC 1.3417
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 10 43 1484.40 2.27 359.03 22.49 118.23 10 35 27 884.4 6.03 352.37
 90.00 15 56 18 5606.29 28.16 262.84 29.94 93.13 17 29 44 5006.3 28.29 253.97
 100.00 11 17 21 1269.32 .78 342.40 23.66 119.88 11 38 31 669.3 4.75 335.86
 100.00 17 32 20 5296.61 29.86 239.93 30.02 91.49 19 0 37 4696.6 29.75 231.13
 110.00 11 54 43 1152.22 -2.81 331.28 19.42 124.08 12 13 55 552.2 1.69 325.08
 110.00 19 11 28 4986.47 34.09 216.33 29.97 87.31 20 34 34 4386.5 33.34 207.16

DIFFERENTIAL CORRECTIONS

TOE 1.0116 TRA-1.5167 TC3 .3220 BAU .1348
 RDE .0170 RRA -.2602 RC3 .3635 FAU .03778
 FDE-1.8905 FRA 1.8151 FC3-1.5752 BSP 7960
 BDE 1.0117 BRA 1.5388 BC3 .4856 FSP -928

MID-COURSE EXECUTION ACCURACY

SGT 2428.9 SGR 483.4 SG3 320.0
 RRT .7189 RRF -.7750 RTF -.9410
 SGB 2476.6 R23 -.1231 R13 -.9436
 SGI 2454.1 SG2 332.5 THA 8.30

ORBIT DETERMINATION ACCURACY

ST 1412.6 SR 108.0 SS 1553.7
 CRT .6030 CRS .4787 CST .9887
 LSA 2094.8 MSA 181.1 SSA 13.8
 EL1 1414.1 EL2 86.1 ALF 2.65

LAUNCH DATE MAY 7 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 331.811

RL 150.95 LAL -.00 LOL 225.76 VL 26.508 GAL 5.67 AZL 94.79 MCA 137.14 SMA 125.71 ECC .22285 INC 4.7851 V1 29.517
 RP 108.66 LAP -3.25 LOP 361.01 VP 37.243 GAP -10.28 AZP 86.49 TAL 159.36 TAP 296.51 RCA 97.70 APO 153.73 V2 34.875
 RC 48.458 GL -29.39 GP 13.66 ZAL 60.59 ZAP 20.20 ETS 318.57 ZAE 148.65 ETE 49.40 ZAC 93.67 ETC 15.51 CLP -15.03

PLANETOCENTRIC CONIC

C3 20.107 VML 4.484 DLA -22.98 RAL 158.79 RAD 6567.8 VEL 11.895 PTM 2.11 VWP 6.883 DPA 20.38 RAP 175.96 ECC 1.3309
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 28 37 1402.01 4.91 354.42 21.52 117.92 10 49 59 802.0 8.61 347.69
 90.00 15 30 31 5673.34 27.81 267.51 28.63 95.55 17 5 4 5073.3 28.29 258.88
 100.00 11 30 31 1195.75 3.27 336.34 20.61 119.73 11 50 27 595.7 7.21 331.78
 100.00 17 9 18 5354.83 29.68 244.25 28.81 93.76 18 38 33 4754.8 29.88 235.45
 110.00 12 5 16 1093.07 -.55 328.20 18.23 124.18 12 21 29 493.1 3.94 321.99
 110.00 18 53 3 5030.27 34.18 219.74 28.95 89.33 20 16 53 4430.3 33.71 210.53

DIFFERENTIAL CORRECTIONS

TOE 1.0493 TRA-1.4746 TC3 .3731 BAU .1468
 RDE .0725 RRA -.2737 RC3 .3989 FAU .04040
 FDE-2.0978 FRA 1.8871 FC3-1.7395 BSP 8190
 BDE 1.0518 BRA 1.4998 BC3 .5462 FSP -1028

MID-COURSE EXECUTION ACCURACY

SGT 2469.5 SGR 529.9 SG3 350.7
 RRT .7804 RRF -.8374 RTF -.9453
 SGB 2525.7 R23 -.1383 R13 -.9486
 SGI 2504.5 SG2 326.7 THA 9.67

ORBIT DETERMINATION ACCURACY

ST 1474.7 SR 147.3 SS 1661.5
 CRT .8948 CRS .8227 CST .9896
 LSA 2219.4 MSA 176.0 SSA 13.0
 EL1 1480.6 EL2 65.5 ALF 5.12

LAUNCH DATE MAY 7 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 338.494

RL 150.95 LAL -.00 LOL 225.76 VL 26.593 GAL 5.44 AZL 95.01 MCA 140.32 SMA 126.25 ECC .21666 INC 5.0056 V1 29.517
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.313 GAP -9.63 AZP 86.14 TAL 159.47 TAP 299.79 RCA 98.89 APO 153.60 V2 34.886
 RC 49.776 GL -31.40 GP 15.35 ZAL 61.62 ZAP 22.82 ETS 319.10 ZAE 146.75 ETE 48.74 ZAC 92.18 ETC 15.23 CLP -17.09

PLANETOCENTRIC CONIC

C3 19.651 VML 4.433 DLA -24.63 RAL 157.45 RAD 6567.8 VEL 11.876 PTM 2.11 WMP 6.564 DPA 21.47 RAP 177.77 ECC 1.3234
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 46 51 1307.09 7.91 349.06 20.83 117.28 11 8 38 707.1 11.50 342.22
 90.00 14 59 38 5757.33 27.11 273.56 27.29 98.50 16 35 35 5157.3 28.01 265.01
 100.00 11 46 36 1114.18 6.01 333.85 19.80 119.34 12 5 11 514.2 9.88 327.20
 100.00 16 42 34 5425.48 29.25 249.46 27.61 96.47 18 12 59 4825.5 29.84 240.70
 110.00 12 13 12 1030.77 1.84 324.95 17.21 124.14 12 30 23 430.8 6.30 318.71
 110.00 18 32 27 5081.65 34.15 223.76 28.02 91.70 19 57 9 4481.7 34.00 214.51

DIFFERENTIAL CORRECTIONS

TDE 1.0889 TRA-1.4336 TC3 .4117 BAU .1578
 ROE .1381 RRA -.2923 RC3 .4373 FAU .04301
 FDE-2.3345 FRA 1.9813 FC3-1.8949 BSP 8331
 BDE 1.0976 BRA 1.4631 BC3 .6006 FSP -1130

MID-COURSE EXECUTION ACCURACY

SGT 2503.8 SGR 595.8 SG3 363.5
 RRT .8313 RRF -.8882 RTF -.9487
 SGB 2573.7 R23 -.1548 R13 -.9530
 SGI 2553.2 SGT 324.8 TMA 11.37

ORBIT DETERMINATION ACCURACY

ST 1534.5 SR 218.0 SS 1775.9
 CRT .9790 CRS .9424 CST .9903
 LSA 2350.8 MSA 172.6 SSA 12.1
 EL1 1549.3 EL2 44.0 ALF 7.93

LAUNCH DATE MAY 7 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 345.163

RL 150.95 LAL -.00 LOL 225.76 VL 26.670 GAL 5.24 AZL 95.26 MCA 143.49 SMA 126.74 ECC .21096 INC 5.2581 V1 29.517
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.378 GAP -9.01 AZP 85.77 TAL 159.60 TAP 303.10 RCA 100.01 APO 153.48 V2 34.897
 RC 51.201 GL -33.54 GP 17.37 ZAL 62.73 ZAP 25.71 ETS 319.25 ZAE 144.79 ETE 48.72 ZAC 90.71 ETC 14.92 CLP -19.26

PLANETOCENTRIC CONIC

C3 19.407 VML 4.405 DLA -26.37 RAL 156.01 RAD 6567.8 VEL 11.865 PTM 2.10 WMP 6.269 DPA 22.88 RAP 179.65 ECC 1.3194
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 15 33 1186.86 11.59 342.14 20.80 116.02 11 35 19 586.9 14.99 335.11
 90.00 14 19 26 5871.66 25.70 281.63 25.76 102.31 15 57 17 5271.7 27.14 273.26
 100.00 12 7 33 1018.87 9.16 328.52 19.32 118.58 12 24 32 418.9 12.90 321.74
 100.00 16 10 6 5514.88 28.39 255.86 28.35 99.79 17 42 1 4914.9 29.45 247.32
 110.00 12 25 6 963.82 4.39 321.44 16.41 123.93 12 41 10 363.8 8.81 315.15
 110.00 18 9 3 5142.69 33.92 228.51 27.16 94.51 19 34 45 4542.7 34.17 219.27

DIFFERENTIAL CORRECTIONS

TDE 1.1349 TRA-1.3898 TC3 .4439 BAU .1695
 ROE .2178 RRA -.3167 RC3 .4795 FAU .04570
 FDE-2.6075 FRA 2.0310 FC3-2.0388 BSP 8493
 BDE 1.1556 BRA 1.4255 BC3 .6534 FSP -1242

MID-COURSE EXECUTION ACCURACY

SGT 2530.3 SGR 685.7 SG3 418.1
 RRT .8709 RRF -.9267 RTF -.9519
 SGB 2621.6 R23 -.1699 R13 -.9575
 SGI 2601.0 SGT 327.8 TMA 13.50

ORBIT DETERMINATION ACCURACY

ST 1595.4 SR 315.3 SS 1898.7
 CRT .9974 CR5 .9802 CST .9910
 LSA 2494.2 MSA 169.6 SSA 11.1
 EL1 1626.1 EL2 22.2 ALF 11.15

LAUNCH DATE MAY 7 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 351.818

RL 150.95 LAL -.00 LOL 225.76 VL 26.740 GAL 5.05 AZL 95.55 MCA 146.67 SMA 127.20 ECC .20574 INC 5.5515 V1 29.517
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.439 GAP -8.39 AZP 85.36 TAL 159.74 TAP 306.41 RCA 101.03 APO 153.37 V2 34.908
 RC 52.722 GL -35.80 GP 19.79 ZAL 63.93 ZAP 28.93 ETS 319.08 ZAE 142.71 ETE 49.33 ZAC 89.25 ETC 14.57 CLP -21.54

PLANETOCENTRIC CONIC

C3 19.404 VML 4.405 DLA -28.22 RAL 154.44 RAD 6567.8 VEL 11.865 PTM 2.10 WMP 6.006 DPA 24.69 RAP 181.64 ECC 1.3193
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 20 9 953.62 18.10 328.12 21.80 112.15 12 36 3 353.6 20.95 320.60
 90.00 13 2 21 816.77 21.39 319.42 23.11 109.01 13 15 57 216.8 23.79 311.57
 100.00 12 38 40 893.69 13.14 321.37 19.44 117.09 12 53 34 293.7 16.67 314.35
 100.00 15 26 31 5639.98 26.62 264.84 24.82 104.13 17 0 31 5040.0 28.30 256.44
 110.00 12 39 59 889.56 7.20 317.53 15.91 123.51 12 54 49 289.6 11.55 311.14
 110.00 17 41 41 5216.87 33.38 234.23 26.33 97.85 19 8 38 4616.9 34.10 225.07

DIFFERENTIAL CORRECTIONS

TDE 1.1894 TRA-1.3424 TC3 .4683 BAU .1825
 ROE .3171 RRA -.3479 RC3 .5252 FAU .04833
 FDE-2.9194 FRA 2.0904 FC3-2.1563 BSP 8697
 BDE 1.2309 BRA 1.3868 BC3 .7036 FSP -1359

MID-COURSE EXECUTION ACCURACY

SGT 2547.6 SGR 804.9 SG3 453.5
 RRT .9005 RRF -.9530 RTF -.9552
 SGB 2671.7 R23 -.1802 R13 -.9625
 SGI 2650.4 SGT 336.4 TMA 16.15

ORBIT DETERMINATION ACCURACY

ST 1657.3 SR 440.5 SS 2028.3
 CRT .9997 CR5 .9929 CST .9918
 LSA 2650.9 MSA 166.6 SSA 10.0
 EL1 1714.9 EL2 11.0 ALF 14.88

LAUNCH DATE MAY 7 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 358.458

RL 150.95 LAL -.00 LOL 225.76 VL 26.804 GAL 4.87 AZL 95.90 MCA 149.85 SMA 127.62 ECC .20097 INC 5.8994 V1 29.517
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.496 GAP -7.80 AZP 84.89 TAL 159.88 TAP 309.73 RCA 101.97 APO 153.27 V2 34.920
 RC 54.330 GL -38.22 GP 22.71 ZAL 65.22 ZAP 32.52 ETS 318.63 ZAE 140.40 ETE 50.53 ZAC 87.80 ETC 14.15 CLP -23.93

PLANETOCENTRIC CONIC

C3 19.687 VML 4.437 DLA -30.18 RAL 152.74 RAD 6567.8 VEL 11.877 PTM 2.11 WMP 5.779 DPA 26.98 RAP 183.81 ECC 1.3240
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.11 11 6 20 1172.64 20.95 345.46 21.55 112.23 11 25 53 572.6 23.78 337.78
 100.89 14 2 35 804.62 20.96 303.65 21.56 112.22 14 12 40 4.6 23.79 337.97
 79.11 11 6 20 1172.64 20.95 345.46 21.55 112.23 11 25 53 572.6 23.78 337.78
 100.89 14 2 35 804.62 20.96 303.65 21.56 112.22 14 12 40 4.6 23.79 337.97
 110.00 12 59 55 802.42 10.44 312.87 15.88 122.74 13 13 18 202.4 14.68 306.33
 110.00 17 8 11 5310.87 32.28 241.34 25.43 101.92 18 36 42 4710.9 33.58 232.35

DIFFERENTIAL CORRECTIONS

TDE 1.2524 TRA-1.2935 TC3 .4779 BAU .1964
 ROE .4442 RRA -.3866 RC3 .5730 FAU .05061
 FDE-3.2699 FRA 2.1319 FC3-2.2256 BSP 8912
 BDE 1.3288 BRA 1.3500 BC3 .7461 FSP -1476

MID-COURSE EXECUTION ACCURACY

SGT 2555.0 SGR 959.7 SG3 487.8
 RRT .9213 RRF -.9718 RTF -.9580
 SGB 2729.3 R23 -.1851 R13 -.9675
 SGI 2706.5 SGT 352.4 TMA 19.43

ORBIT DETERMINATION ACCURACY

ST 1718.0 SR 599.4 SS 2161.9
 CRT .9985 CR5 .9974 CST .9926
 LSA 2820.9 MSA 164.3 SSA 9.0
 EL1 1819.3 EL2 30.5 ALF 19.21

LAUNCH DATE MAY 7 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 26 1967

DISTANCE 365.081

HELIOCENTRIC CONIC
 RL 150.95 LAL -.00 LOL 225.76 VL 26.862 GAL 4.71 AZL 96.32 MCA 153.03 SMA 128.00 ECC .19665 INC 6.3212 V1 29.517
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.549 GAP -7.22 A7P 84.36 TAL 160.03 TAP 313.06 RCA 102.83 APO 153.17 V2 34.932
 RC 56.016 GL -40.82 GP 26.25 ZAL 66.61 ZAP 36.57 ETS 317.93 ZAE 137.74 ETE 52.29 ZAC 86.33 ETC 13.65 CLP -26.44

PLANETOCENTRIC CONIC
 C3 20.336 VML 4.510 DLA -32.27 RAL 150.87 RAD 6567.8 VEL 11.904 PTH 2.12 VMP 5.602 DPA 29.85 RAP 186.26 ECC 1.3347
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.83 10 21 29 1298.17 22.11 355.45 20.83 114.14 10 43 8 698.2 25.17 347.80
 106.17 14 32 31 5782.57 22.12 273.79 20.83 114.12 16 8 53 5182.6 25.19 266.14
 73.83 10 21 29 1298.17 22.11 355.45 20.83 114.14 10 43 8 698.2 25.17 347.80
 106.17 14 32 31 5782.57 22.12 273.79 20.83 114.12 16 8 53 5182.6 25.19 266.14
 110.00 13 30 30 686.49 14.63 306.49 16.70 121.25 13 41 57 86.5 18.66 299.70
 110.00 16 22 41 5442.25 30.02 250.91 24.15 107.17 17 53 23 4842.2 32.08 242.30

MID-COURSE EXECUTION ACCURACY
 SGT 2551.7 SGR 1157.2 SG3 517.8
 RRT .9355 RRF -.9831 RTF -.9605
 SGB 2801.8 R23 -.1826 R13 -.9729
 SGI 2776.5 SG2 375.7 TMA 23.44

ORBIT DETERMINATION ACCURACY
 ST 1776.7 SR 799.9 SS 2294.3
 CRT .9972 CRS .9991 CST .9933
 LSA 3005.6 MSA 162.5 SSA 7.9
 EL1 1947.7 EL2 54.7 ALF 24.20

DIFFERENTIAL CORRECTIONS
 TOE 1.3270 TRA-1.2430 TC3 .4702 BAU .2115
 RDE .6103 RRA -.4339 RC3 .6199 FAU .05214
 FDE-3.6523 FRA 2.1429 FC3-2.2195 BSP 9163
 BOE 1.4608 BRA 1.3165 BC3 .7781 FSP -1582

LAUNCH DATE MAY 7 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 28 1967

DISTANCE 371.684

HELIOCENTRIC CONIC
 RL 150.95 LAL -.00 LOL 225.76 VL 26.914 GAL 4.57 AZL 96.85 MCA 156.21 SMA 128.35 ECC .19274 INC 6.8467 V1 29.517
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.597 GAP -6.85 A7P 83.73 TAL 160.17 TAP 316.39 RCA 103.61 APO 153.09 V2 34.945
 RC 57.772 GL -43.63 GP 30.57 ZAL 68.13 ZAP 41.18 ETS 317.05 ZAE 134.52 ETE 54.52 ZAC 84.81 ETC 13.00 CLP -29.05

PLANETOCENTRIC CONIC
 C3 21.486 VML 4.635 DLA -34.54 RAL 148.78 RAD 6567.9 VEL 11.953 PTH 2.13 VMP 5.490 DPA 33.43 RAP 189.18 ECC 1.3536
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.34 9 45 7 1397.61 23.15 3.68 20.35 116.37 10 8 25 797.6 26.50 356.09
 110.66 14 52 14 5709.54 23.17 268.68 20.36 116.36 16 27 23 5109.5 26.51 261.09
 69.34 9 45 7 1397.61 23.15 3.68 20.35 116.37 10 8 25 797.6 26.50 356.09
 110.66 14 52 14 5709.54 23.17 268.68 20.36 116.36 16 27 23 5109.5 26.51 261.09
 69.34 9 45 7 1397.61 23.15 3.68 20.35 116.37 10 8 25 797.6 26.50 356.09
 110.66 14 52 14 5709.54 23.17 268.68 20.36 116.36 16 27 23 5109.5 26.51 261.09

MID-COURSE EXECUTION ACCURACY
 SGT 2539.7 SGR 1407.8 SG3 539.9
 RRT .9477 RRF -.9900 RTF -.9645
 SGB 2903.8 R23 -.1658 R13 -.9795
 SGI 2876.6 SG2 396.8 TMA 28.30

ORBIT DETERMINATION ACCURACY
 ST 1850.7 SR 1057.1 SS 2428.2
 CRT .9966 CRS .9997 CST .9944
 LSA 3227.1 MSA 156.8 SSA 6.9
 EL1 2129.9 EL2 76.0 ALF 29.69

DIFFERENTIAL CORRECTIONS
 TOE 1.4346 TRA-1.1761 TC3 .4717 BAU .2349
 RDE .8366 RRA -.4848 RC3 .6678 FAU .05332
 FDE-4.0710 FRA 2.0822 FC3-2.1482 BSP 9862
 BOE 1.6607 BRA 1.2721 BC3 .8176 FSP -1706

LAUNCH DATE MAY 7 1967

FLIGHT TIME 146.00

ARRIVAL DATE SEP 30 1967

DISTANCE 378.277

HELIOCENTRIC CONIC
 RL 150.95 LAL -.00 LOL 225.76 VL 26.961 GAL 4.44 AZL 97.52 MCA 159.40 SMA 128.66 ECC .18925 INC 7.5245 V1 29.517
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.643 GAP -6.11 A7P 82.95 TAL 160.30 TAP 319.70 RCA 104.31 APO 153.01 V2 34.957
 RC 59.590 GL -46.70 GP 35.85 ZAL 69.79 ZAP 46.42 ETS 316.01 ZAE 130.50 ETE 57.05 ZAC 83.20 ETC 12.11 CLP -31.73

PLANETOCENTRIC CONIC
 C3 23.392 VML 4.837 DLA -36.99 RAL 146.42 RAD 6567.9 VEL 12.032 PTH 2.15 VMP 5.477 DPA 37.81 RAP 192.84 ECC 1.3850
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 65.13 9 12 16 1488.13 23.99 11.37 20.20 119.05 9 37 7 888.1 27.67 3.89
 114.87 15 6 12 5660.25 24.00 265.23 20.21 119.04 16 40 32 5060.2 27.68 257.75
 65.13 9 12 16 1488.13 23.99 11.37 20.20 119.05 9 37 7 888.1 27.67 3.89
 114.87 15 6 12 5660.25 24.00 265.23 20.21 119.04 16 40 32 5060.2 27.68 257.75
 65.13 9 12 19 1488.13 23.99 11.37 20.20 119.05 9 37 7 888.1 27.67 3.89
 114.87 15 6 12 5660.25 24.00 265.23 20.21 119.04 16 40 32 5060.2 27.68 257.75

MID-COURSE EXECUTION ACCURACY
 SGT 2510.9 SGR 1696.2 SG3 539.1
 RRT .9442 RRF -.9937 RTF -.9587
 SGB 3030.1 R23 -.1686 R13 -.9813
 SGI 2993.6 SG2 468.8 TMA 33.46

ORBIT DETERMINATION ACCURACY
 ST 1841.0 SR 1352.1 SS 2482.7
 CRT .9947 CRS .9999 CST .9934
 LSA 3369.2 MSA 173.7 SSA 5.9
 EL1 2281.4 EL2 112.2 ALF 36.25

DIFFERENTIAL CORRECTIONS
 TOE 1.4886 TRA-1.1877 TC3 .3123 BAU .2266
 RDE 1.1210 RRA -.5695 RC3 .6537 FAU .04717
 FDE-4.3603 FRA 2.0672 FC3-1.7457 BSP 8726
 BOE 1.8635 BRA 1.3172 BC3 .7245 FSP -1545

LAUNCH DATE MAY 7 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 2 1967

DISTANCE 384.839

HELIOCENTRIC CONIC
 RL 150.95 LAL -.00 LOL 225.76 VL 27.003 GAL 4.32 AZL 98.44 MCA 162.58 SMA 128.94 ECC .18613 INC 8.4380 V1 29.517
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.684 GAP -5.57 A7P 81.94 TAL 160.43 TAP 323.00 RCA 104.94 APO 152.94 V2 34.970
 RC 61.464 GL -50.10 GP 42.29 ZAL 71.67 ZAP 52.39 ETS 314.86 ZAE 125.39 ETE 59.64 ZAC 81.46 ETC 10.85 CLP -34.41

PLANETOCENTRIC CONIC
 C3 26.528 VML 5.151 DLA -39.66 RAL 143.65 RAD 6568.1 VEL 12.162 PTH 2.18 VMP 5.613 DPA 43.06 RAP 197.78 ECC 1.4366
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 60.98 8 40 47 1578.22 24.44 19.10 20.40 122.27 9 7 5 978.2 28.51 11.82
 119.02 15 15 35 5632.09 24.45 263.20 20.41 122.26 16 49 27 5032.1 28.52 255.92
 60.98 8 40 47 1578.22 24.44 19.10 20.40 122.27 9 7 5 978.2 28.51 11.82
 119.02 15 15 35 5632.09 24.45 263.20 20.41 122.26 16 49 27 5032.1 28.52 255.92
 60.98 8 40 47 1578.22 24.44 19.10 20.40 122.27 9 7 5 978.2 28.51 11.82
 119.02 15 15 35 5632.09 24.45 263.20 20.41 122.26 16 49 27 5032.1 28.52 255.92

MID-COURSE EXECUTION ACCURACY
 SGT 2488.2 SGR 2062.0 SG3 520.9
 RRT .9541 RRF -.9962 RTF -.9646
 SGB 3231.6 R23 -.1330 R13 -.9884
 SGI 3195.6 SG2 481.0 TMA 39.40

ORBIT DETERMINATION ACCURACY
 ST 1939.7 SR 1748.9 SS 2562.3
 CRT .9954 CRS 1.0000 CST .9949
 LSA 3655.1 MSA 163.6 SSA 5.0
 EL1 2608.7 EL2 124.6 ALF 42.02

DIFFERENTIAL CORRECTIONS
 TOE 1.6894 TRA-1.1074 TC3 .3044 BAU .2579
 RDE 1.5533 RRA -.6203 RC3 .6603 FAU .04429
 FDE-4.6966 FRA 1.8098 FC3-1.4454 BSP 10133
 BOE 2.2950 BRA 1.2693 BC3 .7271 FSP -1590

LAUNCH DATE MAY 7 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 391.379

RL 150.95 LAL -.00 LOL 225.76 VL 27.040 GAL 4.23 AZL 99.75 MCA 165.75 SMA 129.19 ECC .18338 INC 9.7451 V1 29.517
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.723 GAP -5.05 AZP 80.55 TAL 160.53 TAP 326.28 RCA 105.50 APO 152.89 V2 34.983
 RC 63.388 GL -53.86 GP 50.07 ZAL 73.80 ZAP 59.09 ETS 313.51 ZAE 118.93 ETE 61.78 ZAC 79.51 ETC 8.84 CLP -36.85

PLANETOCENTRIC CONIC

C3 31.947 VML 5.652 OLA -42.55 RAL 140.31 RAD 6568.3 VEL 12.382 PTM 2.24 VMP 6.005 DPA 49.07 RAP 204.94 ECC 1.5258
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 56.81 8 9 10 1675.46 24.15 27.26 21.04 126.16 8 37 6 1075.5 28.69 20.32
 123.19 15 20 33 5627.79 24.17 262.62 21.06 126.15 16 54 21 5027.8 28.71 255.68
 56.81 8 9 10 1675.46 24.15 27.26 21.04 126.16 8 37 6 1075.5 28.69 20.32
 123.19 15 20 33 5627.79 24.17 262.62 21.06 126.15 16 54 21 5027.8 28.71 255.68
 56.81 8 9 10 1675.46 24.15 27.26 21.04 126.16 8 37 6 1075.5 28.69 20.32
 123.19 15 20 33 5627.79 24.17 262.62 21.06 126.15 16 54 21 5027.8 28.71 255.68

DIFFERENTIAL CORRECTIONS

TOE 1.9581 TRA-1.0659 TC3 .2291 BAU .2708
 RDE 2.1520 RRA -.6665 RC3 .5913 FAU .03554
 FDE-4.8086 FRA 1.4863 FC3 -.9631 BSP 11003
 BDE 2.9095 BRA 1.2571 BC3 .6342 FSP -1433

MID-COURSE EXECUTION ACCURACY

SGT 2481.6 SGR 2459.0 SG3 466.3
 RRT .9584 RRF -.9974 RTF -.9674
 SGB 3493.6 R23 -.1052 R13 -.9927
 SG1 3457.0 SG2 503.9 TMA 44.73

ORBIT DETERMINATION ACCURACY

ST 2033.1 SR 2198.9 SS 2548.9
 CRT .9957 CRS 1.0000 CST .9957
 LSA 3929.3 MSA 161.6 SSA 4.2
 EL1 2991.6 EL2 138.6 ALF 47.25

LAUNCH DATE MAY 7 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 397.889

RL 150.95 LAL -.00 LOL 225.76 VL 27.073 GAL 4.14 AZL 101.78 MCA 168.92 SMA 129.42 ECC .18099 INC 11.7836 V1 29.517
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.759 GAP -4.54 AZP 78.43 TAL 160.61 TAP 329.53 RCA 105.99 APO 152.84 V2 34.996
 RC 65.357 GL -58.00 GP 59.27 ZAL 76.29 ZAP 66.38 ETS 311.34 ZAE 110.85 ETE 62.41 ZAC 77.25 ETC 5.15 CLP -38.36

PLANETOCENTRIC CONIC

C3 42.277 VML 6.502 OLA -45.57 RAL 136.15 RAD 6568.6 VEL 12.792 PTM 2.33 VMP 6.871 DPA 55.30 RAP 216.15 ECC 1.6958
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.68 7 36 24 1789.06 22.51 36.12 22.16 130.73 8 6 13 1189.1 27.58 29.70
 127.32 15 20 10 5655.65 22.53 263.72 22.18 130.72 16 54 26 5055.6 27.60 257.30
 52.68 7 36 24 1789.06 22.51 36.12 22.16 130.73 8 6 13 1189.1 27.58 29.70
 127.32 15 20 10 5655.65 22.53 263.72 22.18 130.72 16 54 26 5055.6 27.60 257.30
 52.68 7 36 24 1789.06 22.51 36.12 22.16 130.73 8 6 13 1189.1 27.58 29.70
 127.32 15 20 10 5655.65 22.53 263.72 22.18 130.72 16 54 26 5055.6 27.60 257.30

DIFFERENTIAL CORRECTIONS

TOE 2.4667 TRA-1.0498 TC3 .1446 BAU .2627
 RDE 3.0063 RRA -.6579 RC3 .4418 FAU .02301
 FDE-4.6308 FRA 1.0695 FC3 -.4711 BSP 12081
 BDE 3.8887 BRA 1.2390 BC3 .4648 FSP -1158

MID-COURSE EXECUTION ACCURACY

SGT 2550.7 SGR 2834.4 SG3 375.0
 RRT .9628 RRF -.9979 RTF -.9722
 SGB 3813.1 R23 -.0795 R13 -.9957
 SG1 3777.9 SG2 517.3 TMA 48.13

ORBIT DETERMINATION ACCURACY

ST 2209.5 SR 2660.8 SS 2434.2
 CRT .9962 CRS 1.0000 CST .9967
 LSA 4226.3 MSA 159.6 SSA 3.3
 EL1 3455.4 EL2 147.8 ALF 50.31

LAUNCH DATE MAY 7 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 404.353

RL 150.95 LAL -.00 LOL 225.76 VL 27.101 GAL 4.08 AZL 105.42 MCA 172.06 SMA 129.61 ECC .17897 INC 15.4222 V1 29.517
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.791 GAP -4.05 AZP 74.72 TAL 160.64 TAP 332.70 RCA 106.42 APO 152.81 V2 35.009
 RC 67.365 GL -62.31 GP 69.90 ZAL 79.25 ZAP 73.90 ETS 304.77 ZAE 100.91 ETE 57.54 ZAC 74.43 ETC 355.76 CLP -36.17

PLANETOCENTRIC CONIC

C3 65.909 VML 8.118 OLA -48.37 RAL 130.90 RAD 6569.3 VEL 13.684 PTM 2.50 VMP 8.768 DPA 60.26 RAP 234.40 ECC 2.0847
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.00 7 2 26 1931.55 18.38 45.59 23.71 135.57 7 34 38 1331.6 23.99 39.89
 131.00 15 12 16 5732.63 18.39 266.93 23.72 135.56 16 47 49 5132.6 24.00 261.22
 49.00 7 2 26 1931.55 18.38 45.59 23.71 135.57 7 34 38 1331.6 23.99 39.89
 131.00 15 12 16 5732.63 18.39 266.93 23.72 135.56 16 47 49 5132.6 24.00 261.22
 49.00 7 2 26 1931.55 18.38 45.59 23.71 135.57 7 34 38 1331.6 23.99 39.89
 131.00 15 12 16 5732.63 18.39 266.93 23.72 135.56 16 47 49 5132.6 24.00 261.22

DIFFERENTIAL CORRECTIONS

TOE 3.7749 TRA-1.1105 TC3 .0528 BAU .1859
 RDE 4.0970 RRA -.4819 RC3 .2042 FAU .00792
 FDE-4.1199 FRA .6407 FC3 -.1041 BSP 13153
 BDE 5.5709 BRA 1.2106 BC3 .2110 FSP -794

MID-COURSE EXECUTION ACCURACY

SGT 2914.9 SGR 2955.1 SG3 258.4
 RRT .9677 RRF -.9970 RTF -.9822
 SGB 4150.8 R23 -.0561 R13 -.9978
 SG1 4117.2 SG2 527.4 TMA 45.40

ORBIT DETERMINATION ACCURACY

ST 2687.6 SR 2895.5 SS 2208.2
 CRT .9969 CRS .9999 CST .9981
 LSA 4523.0 MSA 160.1 SSA 2.2
 EL1 3947.5 EL2 155.7 ALF 47.14

LAUNCH DATE MAY 7 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 410.714

RL 150.95 LAL -.00 LOL 225.76 VL 27.126 GAL 4.05 AZL 113.71 MCA 175.14 SMA 129.78 ECC .17737 INC 23.7068 V1 29.517
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.821 GAP -3.59 AZP 66.37 TAL 160.58 TAP 335.72 RCA 106.76 APO 152.80 V2 35.023
 RC 69.409 GL -65.44 GP 80.92 ZAL 82.79 ZAP 80.99 ETS 256.43 ZAE 88.17 ETE 9.75 ZAC 70.17 ETC 302.67 CLP -6.75

PLANETOCENTRIC CONIC

C3 143.064 VML 11.961 OLA -49.48 RAL 124.87 RAD 6570.6 VEL 16.260 PTM 2.85 VMP 13.608 DPA 60.35 RAP 261.51 ECC 3.3545
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 47.56 6 33 34 2109.44 10.32 54.27 25.90 138.67 7 8 43 1509.4 16.28 49.20
 132.44 14 52 59 5887.33 10.34 273.31 25.92 138.67 16 31 6 5287.3 16.29 268.23
 47.56 6 33 34 2109.44 10.32 54.27 25.90 138.67 7 8 43 1509.4 16.28 49.20
 132.44 14 52 59 5887.33 10.34 273.31 25.92 138.67 16 31 6 5287.3 16.29 268.23
 47.56 6 33 34 2109.44 10.32 54.27 25.90 138.67 7 8 43 1509.4 16.28 49.20
 132.44 14 52 59 5887.33 10.34 273.31 25.92 138.67 16 31 6 5287.3 16.29 268.23

DIFFERENTIAL CORRECTIONS

TOE 8.8933 TRA -.9984 TC3 -.1049 BAU .2065
 RDE 1.5233 RRA .7524 RC3 .0255 FAU -.00834
 FDE-3.4985 FRA .3263 FC3 .0505 BSP 14046
 BDE 9.0228 BRA 1.2502 BC3 .1080 FSP -449

MID-COURSE EXECUTION ACCURACY

SGT 4330.5 SGR 918.7 SG3 146.7
 RRT .6749 RRF -.6939 RTF -.9995
 SGB 4426.9 R23 -.0038 R13 -.9998
 SG1 4375.8 SG2 670.9 TMA 8.34

ORBIT DETERMINATION ACCURACY

ST 4265.8 SR 748.4 SS 1972.2
 CRT .9621 CR5 .9645 CST 1.0000
 LSA 4754.6 MSA 201.2 SSA 1.1
 EL1 4326.3 EL2 201.2 ALF 9.60

LAUNCH DATE MAY 7 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 416.585
 RL 150.95 LAL -.00 LOL 225.76 VL 27.147 GAL 4.12 AZL 145.19 MCA 177.82 SMA 129.93 ECC .17663 INC55.1H79 V1 29.517
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.848 GAP -3.26 A7P 34.83 TAL 160.14 TAP 337.95 RCA 106.9H APO 152.88 V2 35.036
 RC 71.485 GL -57.54 GP 68.01 ZAL 86.67 ZAP 86.59 ETS 183.13 ZAE 65.16 ETE 297.90 ZAC 59.59 ETC 218.46 CLP 80.87

PLANETOCENTRIC CONIC

C3 694.150 VML 26.347 OLA -39.99 RAL 123.50 RAD 6572.7 VEL 28.556 PTH 3.42 VMP 32.239 OPA 45.01 RAP 292.41 ECC12.4240
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 60.50 7 18 10 2164.73 .58 49.75 32.79 129.98 7 54 14 1564.7 5.71 44.01
 119.50 13 57 26 917.91 .60 314.88 32.80 129.98 14 12 44 317.9 5.73 309.15
 60.50 7 18 10 2164.73 .58 49.75 32.79 129.98 7 54 14 1564.7 5.71 44.01
 119.50 13 57 26 917.91 .60 314.88 32.80 129.98 14 12 44 317.9 5.73 309.15
 60.50 7 18 10 2164.73 .58 49.75 32.79 129.98 7 54 14 1564.7 5.71 44.01
 119.50 13 57 26 917.91 .60 314.88 32.80 129.98 14 12 44 317.9 5.73 309.15

DIFFERENTIAL CORRECTIONS

TOE 8.0682 TRA 1.3089 TC3 -.1197 BAU 2.8353 SGT 1901.1 SGR 3842.3 SG3 78.2 ORBIT DETERMINATION ACCURACY
 RO-15.9952 RRA 2.4150 RC3 .2811 FAU-.05069 RRT -.9285 RRF .9993 RTF -.9403 CRT -.9925 CRS -.9999 CST .9937 ST 1758.2 SR 3484.8 SS 2317.8
 FOE-3.8217 FRA .4731 FC3 .0632 BSP 13123 SGB 4286.9 R23 -.0379 R13 .9992 LSA 4535.4 MSA 194.1 SSA 1.2
 BOE17.9148 BRA 2.7469 BC3 .3055 FSP -238 SG1 4238.9 SG2 639.8 TMA 115.29 EL1 3898.5 EL2 192.0 ALF 116.67

LAUNCH DATE MAY 7 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 424.839
 RL 150.95 LAL -.00 LOL 225.76 VL 27.164 GAL 3.77 AZL 50.22 MCA 182.55 SMA 130.05 ECC .17332 INC39.7831 V1 29.517
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.873 GAP -2.34 A7P 129.76 TAL 161.49 TAP 344.04 RCA 107.51 APO 152.59 V2 35.049
 RC 73.590 GL 63.12 GP -73.99 ZAL 85.96 ZAP 87.19 ETS 161.00 ZAE 81.76 ETE 51.42 ZAC 92.16 ETC 121.37 CLP 79.76

PLANETOCENTRIC CONIC

C3 378.130 VML 19.446 OLA 67.25 RAL 197.35 RAD 6572.0 VEL 22.348 PTH 3.25 VMP 26.716 OPA -76.84 RAP 60.52 ECC 7.2231
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 26.05 22 23 32 5003.51 -3.93 243.84 105.71 22.80 23 46 56 4403.5 -11.30 241.11
 153.95 8 41 14 3269.01 -3.92 97.21 105.69 22.80 9 35 43 2669.0 -11.29 94.47
 26.05 22 23 32 5003.51 -3.93 243.84 105.71 22.80 23 46 56 4403.5 -11.30 241.11
 153.95 8 41 14 3269.01 -3.92 97.21 105.69 22.80 9 35 43 2669.0 -11.29 94.47
 26.05 22 23 32 5003.51 -3.93 243.84 105.71 22.80 23 46 56 4403.5 -11.30 241.11
 153.95 8 41 14 3269.01 -3.92 97.21 105.69 22.80 9 35 43 2669.0 -11.29 94.47

DIFFERENTIAL CORRECTIONS

TOE-1.7737 TRA-3.1476 TC3 -.1631 BAU 1.4218 SGT 2535.4 SGR 3835.6 SG3 84.4 ORBIT DETERMINATION ACCURACY
 ROE 1.0340 RRA-4.8794 RC3 -.2292 FAU-.02546 RRT .9588 RRF -.9979 RTF -.9751 CRT .6259 CRS .9767 CST .7787 ST 889.5 SR 1156.6 SS 659.3
 FOE -.0487 FRA 1.2475 FC3 .0583 BSP 13593 SGB 4597.8 R23 -.0217 R13 -.9997 LSA 1482.1 MSA 605.8 SSA .5
 BOE 2.0531 BRA 5.8065 BC3 .2812 FSP -257 SG1 4557.7 SG2 606.2 TMA 56.98 EL1 1328.2 EL2 604.2 ALF 56.50

LAUNCH DATE MAY 7 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 430.839
 RL 150.95 LAL -.00 LOL 225.76 VL 27.178 GAL 3.83 AZL 74.19 MCA 185.37 SMA 130.14 ECC .17292 INC15.8097 V1 29.517
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.896 GAP -1.98 A7P 105.74 TAL 161.10 TAP 346.47 RCA 107.64 APO 152.65 V2 35.062
 RC 75.721 GL 63.41 GP -83.76 ZAL 80.24 ZAP 84.97 ETS 43.70 ZAE 100.44 ETE 297.15 ZAC 102.09 ETC 10.73 CLP -36.22

PLANETOCENTRIC CONIC

C3 68.257 VML 8.262 OLA 62.51 RAL 205.95 RAD 6569.3 VEL 13.770 PTH 2.52 VMP 12.283 OPA -65.60 RAP 115.12 ECC 2.1233
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 31.62 23 10 44 4687.58 -21.50 231.76 104.14 29.74 24 28 51 4087.6 -28.38 227.68
 148.38 9 2 44 2993.31 -21.49 91.41 104.12 29.74 9 52 37 2393.3 -28.37 87.33
 31.62 23 10 44 4687.58 -21.50 231.76 104.14 29.74 24 28 51 4087.6 -28.38 227.68
 148.38 9 2 44 2993.31 -21.49 91.41 104.12 29.74 9 52 37 2393.3 -28.37 87.33
 31.62 23 10 44 4687.58 -21.50 231.76 104.14 29.74 24 28 51 4087.6 -28.38 227.68
 148.38 9 2 44 2993.31 -21.49 91.41 104.12 29.74 9 52 37 2393.3 -28.37 87.33

DIFFERENTIAL CORRECTIONS

TDE 1.2422 TRA-1.2889 TC3 .0222 BAU .1897 SGT 2119.8 SGR 4322.6 SG3 162.2 ORBIT DETERMINATION ACCURACY
 ROE -.4560 RRA 2.8602 RC3 -.2067 FAU .00768 RRT -.9393 RRF .9962 RTF -.9648 CRT -.7405 CRS -.9674 CST .8865 ST 1039.1 SR 1327.5 SS 668.6
 FOE -.4327 FRA 1.2289 FC3 -.0974 BSP 15042 SGB 4814.4 R23 .0199 R13 .9996 LSA 1716.1 MSA 586.5 SSA 1.2
 BOE 1.3232 BRA 3.1372 BC3 .2079 FSP -522 SG1 4769.1 SG2 659.1 TMA 115.25 EL1 1580.5 EL2 586.5 ALF 125.76

LAUNCH DATE MAY 7 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 437.149
 RL 150.95 LAL -.00 LOL 225.76 VL 27.190 GAL 3.85 AZL 81.24 MCA 188.47 SMA 130.22 ECC .17241 INC 8.7644 V1 29.517
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.916 GAP -1.55 A7P 98.67 TAL 160.93 TAP 349.40 RCA 107.77 APO 152.67 V2 35.075
 RC 77.874 GL 53.59 GP -74.34 ZAL 74.07 ZAP 84.33 ETS 20.88 ZAE 110.73 ETE 276.50 ZAC 106.34 ETC 354.59 CLP -68.54

PLANETOCENTRIC CONIC

C3 26.379 VML 5.136 OLA 53.73 RAL 196.07 RAD 6568.1 VEL 12.155 PTH 2.18 VMP 8.057 OPA -56.63 RAP 125.11 ECC 1.4341
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 42.23 22 59 17 4396.23 -31.59 210.97 79.26 43.99 24 12 33 3796.2 -37.16 204.43
 137.77 7 55 18 2811.29 -31.57 84.19 79.25 43.98 8 42 10 2211.3 -37.14 77.65
 42.23 22 59 17 4396.23 -31.59 210.97 79.26 43.99 24 12 33 3796.2 -37.16 204.43
 137.77 7 55 18 2811.29 -31.57 84.19 79.25 43.98 8 42 10 2211.3 -37.14 77.65
 42.23 22 59 17 4396.23 -31.59 210.97 79.26 43.99 24 12 33 3796.2 -37.16 204.43
 137.77 7 55 18 2811.29 -31.57 84.19 79.25 43.98 8 42 10 2211.3 -37.14 77.65

DIFFERENTIAL CORRECTIONS

TOE .5142 TRA -.1826 TC3 -.0899 BAU .4050 SGT 675.4 SGR 4719.5 SG3 294.4 ORBIT DETERMINATION ACCURACY
 ROE -.1601 RRA 2.4221 RC3-1.1450 FAU .02734 RRT -.4914 RRF .9992 RTF -.5118 CRT -.3027 CRS -.9941 CST .4039 ST 582.9 SR 1382.2 SS 703.3
 FOE -.2134 FRA 1.7349 FC3 -.8973 BSP 14883 SGB 4767.6 R23 .0190 R13 .9994 LSA 1562.4 MSA 551.0 SSA 2.1
 BOE .5386 BRA 2.4290 BC3 1.1485 FSP -.945 SG1 4731.3 SG2 586.7 TMA 94.09 EL1 1395.5 EL2 550.2 ALF 98.63

LAUNCH DATE MAY 7 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 443.509

RL 150.95 LAL -1.00 LOL 225.76 VL 27.198 GAL 3.87 AZL 84.50 MCA 191.64 SMA 130.28 ECC .17207 INC 5.5016 VI 29.517
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.234 GAP -1.11 AZP 95.39 TAL 160.78 TAP 352.41 RCA 107.86 APO 152.70 V2 35.088
 RC 80.046 GL 42.11 GP -66.50 ZAL 68.53 ZAP 85.29 ETS 11.86 ZAE 118.36 ETE 268.73 ZAC 109.46 ETC 351.79 CLP -78.11

PLANETOCENTRIC CONIC

C3 15.052 VML 3.880 CLA 43.63 RAL 187.43 RAD 6567.6 VEL 11.681 PTH 2.05 VMP 6.183 DPA -49.20 RAP 130.57 ECC 1.2477
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 55.30 23 9 27 4154.57 -31.69 187.32 57.14 58.28 24 18 41 3554.6 -35.63 179.36
 124.70 6 36 41 2786.76 -31.68 81.89 57.13 58.27 7 23 8 2186.8 -35.61 73.94
 55.30 23 9 27 4154.57 -31.69 187.32 57.14 58.28 24 18 41 3554.6 -35.63 179.36
 124.70 6 36 41 2786.76 -31.68 81.89 57.13 58.27 7 23 8 2186.8 -35.61 73.94
 55.30 23 9 27 4154.57 -31.69 187.32 57.14 58.28 24 18 41 3554.6 -35.63 179.36
 124.70 6 36 41 2786.76 -31.68 81.89 57.13 58.27 7 23 8 2186.8 -35.61 73.94

DIFFERENTIAL CORRECTIONS

TOE .3192 TRA .1107 TC3 -.4746 BAU .4565
 RDE -.0587 RRA 2.0898 RC3-2.2182 FAU .04722
 FDE -.1680 FRA 2.3733 FC3-2.7159 BSP 14481
 BDE .3245 BRA 2.0927 BC3 2.2684 FSP -1464

MID-COURSE EXECUTION ACCURACY

SGT 639.4 SGR 4599.1 SG3 456.8
 RRT .5292 RRF .9992 RTF .5185
 SGB 464.4 R23 .0208 R13 .9991
 SG1 4611.7 SG2 541.0 TMA 85.73

ORBIT DETERMINATION ACCURACY

ST 476.3 SR 1283.2 SS 788.0
 CRT .0759 CRS -.9949 CST .0254
 LSA 1504.5 MSA 480.6 SSA 3.2
 EL1 1283.8 EL2 474.7 ALF 88.13

LAUNCH DATE MAY 7 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 449.874

RL 150.95 LAL -1.00 LOL 225.76 VL 27.204 GAL 3.90 AZL 86.38 MCA 194.83 SMA 130.32 ECC .17194 INC 3.6226 VI 29.517
 RP 107.96 LAP -.93 LOP 60.56 VP 37.949 GAP -.87 AZP 93.50 TAL 160.60 TAP 355.43 RCA 107.91 APO 152.73 V2 35.101
 RC 82.236 GL 31.30 GP -59.91 ZAL 64.24 ZAP 87.56 ETS 5.39 ZAE 124.41 ETE 262.27 ZAC 112.26 ETC 351.00 CLP -85.13

PLANETOCENTRIC CONIC

C3 10.892 VML 3.300 CLA 53.85 RAL 181.48 RAD 6567.4 VEL 11.501 PTH 2.00 VMP 5.169 DPA -42.68 RAP 133.37 ECC 1.1793
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.63 0 5 22 3865.44 -26.90 160.71 42.36 68.63 1 9 48 3265.4 -29.55 152.56
 109.37 4 56 47 2937.14 -26.89 91.53 42.35 68.62 5 45 44 2337.1 -29.54 83.38
 70.63 0 5 22 3865.44 -26.90 160.71 42.36 68.63 1 9 48 3265.4 -29.55 152.56
 109.37 4 56 47 2937.14 -26.89 91.53 42.35 68.62 5 45 44 2337.1 -29.54 83.38
 110.00 5 36 30 2814.83 -29.68 83.13 43.48 72.21 6 23 44 2214.8 -31.83 74.58
 110.00 4 24 30 3035.74 -24.17 97.92 41.07 65.05 5 15 6 2435.7 -27.32 90.17

DIFFERENTIAL CORRECTIONS

TOE .2037 TRA .3078 TC3-1.0627 BAU .4698
 RDE -.1283 RRA 1.8566 RC3-3.0460 FAU .06663
 FDE -.3485 FRA 3.0259 FC3-5.2954 BSP 14030
 BDE .2407 BRA 1.8819 BC3 3.2261 FSP -2017

MID-COURSE EXECUTION ACCURACY

SGT 1015.5 SGR 4376.5 SG3 626.6
 RRT .8615 RRF .9991 RTF .8566
 SGB 4492.7 R23 .0312 R13 .9987
 SG1 4464.2 SG2 505.4 TMA 78.55

ORBIT DETERMINATION ACCURACY

ST 403.5 SR 1186.9 SS 890.6
 CRT .3075 CRS -.9929 CST -.1921
 LSA 1485.6 MSA 397.0 SSA 4.6
 EL1 1194.1 EL2 381.6 ALF 83.35

LAUNCH DATE MAY 7 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 456.232

RL 150.95 LAL -1.00 LOL 225.76 VL 27.207 GAL 3.94 AZL 87.60 MCA 198.03 SMA 130.34 ECC .17204 INC 2.3970 VI 29.517
 RP 107.92 LAP -.74 LOP 63.78 VP 37.963 GAP -.23 AZP 92.28 TAL 160.40 TAP 358.42 RCA 107.92 APO 152.72 V2 35.113
 RC 84.440 GL 22.05 GP -54.17 ZAL 61.26 ZAP 90.83 ETS .16 ZAE 129.20 ETE 255.67 ZAC 114.93 ETC 350.89 CLP -91.42

PLANETOCENTRIC CONIC

C3 9.141 VML 3.023 CLA 25.30 RAL 177.36 RAD 6567.3 VEL 11.425 PTH 1.98 VMP 4.562 DPA -36.81 RAP 134.80 ECC 1.1504
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 9 7 2988.37 -28.05 95.59 34.67 85.93 4 58 55 2388.4 -28.52 86.93
 90.00 0 20 8 3744.41 -14.11 146.00 30.84 65.19 1 22 32 3144.4 -17.34 138.81
 100.00 5 54 23 2649.01 -29.86 70.71 34.77 88.65 6 38 32 2049.0 -29.73 61.91
 100.00 1 17 33 3559.00 -12.48 131.55 30.02 62.62 2 16 52 2959.0 -16.05 124.58
 110.00 7 47 19 2295.66 -33.88 43.73 34.63 94.84 8 25 35 1695.7 -32.84 34.65
 110.00 1 41 6 3485.12 -9.01 123.90 27.96 56.88 2 39 11 2885.1 -13.31 117.44

DIFFERENTIAL CORRECTIONS

TOE .0941 TRA .4825 TC3-1.7329 BAU .4730
 RDE -.2268 RRA 1.6697 RC3-3.4607 FAU .08405
 FDE -.6912 FRA 3.6287 FC3-7.9598 BSP 13561
 BDE .2455 BRA 1.7380 BC3 3.8703 FSP -2539

MID-COURSE EXECUTION ACCURACY

SGT 1467.3 SGR 4100.3 SG3 785.9
 RRT .9401 RRF .9989 RTF .9368
 SGB 4354.9 R23 .0439 R13 .9980
 SG1 4329.0 SG2 473.7 TMA 71.17

ORBIT DETERMINATION ACCURACY

ST 353.4 SR 1136.2 SS 1038.6
 CRT .6073 CRS -.9912 CST -.4975
 LSA 1549.1 MSA 307.7 SSA 6.4
 EL1 1157.5 EL2 275.5 ALF 78.65

LAUNCH DATE MAY 7 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 462.577

RL 150.95 LAL -1.00 LOL 225.76 VL 27.208 GAL 3.99 AZL 88.47 MCA 201.24 SMA 130.35 ECC .17236 INC 1.5306 VI 29.517
 RP 107.89 LAP -.55 LOP 66.99 VP 37.975 GAP -.20 AZP 91.43 TAL 160.15 TAP 1.39 RCA 107.88 APO 152.82 V2 35.125
 RC 86.655 GL 14.49 GP -49.08 ZAL 59.29 ZAP 94.79 ETS 355.85 ZAE 132.87 ETE 248.68 ZAC 117.48 ETC 351.20 CLP -97.32

PLANETOCENTRIC CONIC

C3 8.390 VML 2.897 CLA 18.20 RAL 174.50 RAD 6567.3 VEL 11.392 PTH 1.97 VMP 4.184 DPA -31.48 RAP 135.44 ECC 1.1381
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 32 14 2632.89 -27.04 69.74 28.18 98.75 6 16 7 2032.9 -25.55 61.39
 90.00 22 30 15 4067.19 -4.24 164.56 24.19 61.98 23 38 2 3467.2 -7.95 157.85
 100.00 7 4 25 2335.64 -28.12 47.67 27.98 100.59 7 43 21 1735.6 -26.37 39.31
 100.00 23 40 45 3839.68 -3.28 147.31 23.66 60.27 24 44 45 3239.7 -7.21 140.73
 110.00 8 36 19 2048.09 -30.88 25.10 27.24 105.45 9 10 28 1448.1 -28.45 16.74
 110.00 0 29 16 3699.99 -.87 135.21 22.16 55.83 1 30 56 3100.0 -5.35 128.99

DIFFERENTIAL CORRECTIONS

TOE -.0247 TRA .6485 TC3-2.3845 BAU .4764
 RDE -.3089 RRA 1.9064 RC3-3.5142 FAU .09842
 FDE -1.1222 FRA 4.1369 FC3-10.1547 BSP 13209
 BDE .3099 BRA 1.6401 BC3 4.2468 FSP -2994

MID-COURSE EXECUTION ACCURACY

SGT 1932.3 SGR 3789.0 SG3 921.4
 RRT .9667 RRF .9986 RTF .9640
 SGB 4253.3 R23 .0572 R13 .9970
 SG1 4230.1 SG2 443.2 TMA 63.44

ORBIT DETERMINATION ACCURACY

ST 410.1 SR 1123.7 SS 1233.1
 CRT .8975 CRS -.9911 CST -.8311
 LSA 1702.4 MSA 230.7 SSA 8.7
 EL1 1183.8 EL2 171.7 ALF 71.46

LAUNCH DATE MAY 7 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 468.907

RL 150.95 LAL -1.00 LOL 225.76 VL 27.207 GAL 4.06 AZL 89.12 MCA 204.45 SMA 130.34 ECC .17289 INC .8823 V1 29.517
 RP 107.85 LAP -1.37 LOP 70.21 VP 37.985 GAP .64 AZP 90.80 TAL 159.88 TAP 4.33 RCA 107.81 APO 152.88 V2 35.137
 RC 88.880 GL 8.43 GP -44.49 ZAL 57.97 ZAP 99.19 ETS 352.34 ZAE 135.48 ETE 241.38 ZAC 119.88 ETC 351.85 CLP-102.93

PLANETOCENTRIC CONIC

C3 8.120 VHL 2.850 OLA 12.42 RAL 172.50 RAD 6567.3 VEL 11.380 PTH 1.97 VHP 3.949 OPA -26.62 RAP 135.65 ECC 1.1336
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 17 59 2418.13 -23.93 54.80 23.81 105.61 6 58 17 1818.1 -21.56 46.93
 90.00 21 28 34 4269.72 2.29 175.87 20.88 61.77 22 39 43 3669.7 -1.50 169.24
 100.00 7 45 42 2135.22 -24.82 33.71 23.52 107.22 8 21 17 1535.2 -22.23 25.87
 100.00 22 43 31 4027.86 3.10 157.64 20.44 60.25 23 50 39 3427.9 -.88 151.12
 110.00 9 8 20 1876.66 -27.15 13.16 22.61 111.61 9 39 37 1276.7 -23.97 5.43
 110.00 23 37 23 3859.19 5.20 143.54 19.13 56.17 24 41 42 3259.2 .72 137.31

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1542 TRA .8091 TC3-2.9598 BAU .4837
 RDE -.3634 RRA 1.3595 RC3-3.3301 FAU .10904
 FDE-1.5751 FRA 4.5287 FC-11.6249 BSP 13010
 BDE .3948 BRA 1.5821 BC3 4.4553 FSP -3351

SGT 2390.9 SGR 3459.9 SG3 1025.4
 RRT .9780 RRF .9981 RTF .9758
 SGB 4205.6 R23 .0692 R13 .9957
 SG1 4185.4 SG2 411.8 TMA 55.57

ST 590.3 SR 1114.6 SS 1443.1
 CRT .9866 CRS -.9914 CST -.9571
 LSA 1908.2 MSA 178.6 SSA 11.3
 EL1 1258.4 EL2 85.4 ALF 62.28

LAUNCH DATE MAY 7 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 475.219

RL 150.95 LAL -1.00 LOL 225.76 VL 27.203 GAL 4.14 AZL 89.62 MCA 207.67 SMA 130.32 ECC .17364 INC .3768 V1 29.517
 RP 107.82 LAP -1.17 LOP 73.43 VP 37.993 GAP 1.07 AZP 90.33 TAL 159.56 TAP 7.23 RCA 107.69 APO 152.95 V2 35.149
 RC 91.113 GL 3.59 GP -40.34 ZAL 57.04 ZAP 103.80 ETS 349.50 ZAE 137.11 ETE 234.05 ZAC 122.06 ETC 352.82 CLP-108.24

PLANETOCENTRIC CONIC

C3 8.110 VHL 2.848 OLA 7.74 RAL 171.11 RAD 6567.3 VEL 11.380 PTH 1.97 VHP 3.811 OPA -22.19 RAP 135.63 ECC 1.1335
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 50 29 2263.85 -20.73 44.63 21.14 109.73 7 28 12 1663.8 -17.86 37.13
 90.00 20 45 1 4423.52 7.19 184.51 19.26 62.54 21 58 45 3823.5 3.45 177.83
 100.00 8 15 33 1989.48 -21.54 24.12 20.81 111.24 8 48 42 1389.5 -18.46 16.68
 100.00 22 2 38 4173.12 7.95 165.69 18.85 61.09 23 12 11 3573.1 4.03 159.09
 110.00 9 32 17 1749.31 -23.69 4.89 19.81 115.40 10 1 27 1149.3 -20.07 357.61
 110.00 23 2 23 3986.06 9.96 150.28 17.63 57.13 24 8 49 3386.1 5.56 143.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2920 TRA .9655 TC3-3.4354 BAU .4957
 RDE -.3907 RRA 1.2275 RC3-3.0175 FAU .11557
 FDE-1.9981 FRA 4.8027 FC-12.3369 BSP 12980
 BDE .4877 BRA 1.5617 BC3 4.5724 FSP -3590

SGT 2831.3 SGR 3127.8 SG3 1095.0
 RRT .9836 RRF .9974 RTF .9817
 SGB 4219.0 R23 .0779 R13 .9944
 SG1 4201.7 SG2 380.6 TMA 47.90

ST 833.3 SR 1086.1 SS 1638.4
 CRT .9994 CRS -.9914 CST -.9874
 LSA 2129.8 MSA 149.4 SSA 13.5
 EL1 1368.7 EL2 22.7 ALF 52.51

LAUNCH DATE MAY 7 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 481.513

RL 150.95 LAL -1.00 LOL 225.76 VL 27.198 GAL 4.24 AZL 90.03 MCA 210.89 SMA 130.28 ECC .17461 INC .0305 V1 29.517
 RP 107.78 LAP -.02 LOP 76.66 VP 38.000 GAP 1.50 AZP 89.97 TAL 159.20 TAP 10.10 RCA 107.53 APO 153.03 V2 35.160
 RC 93.352 GL -1.30 GP -36.59 ZAL 56.32 ZAP 108.46 ETS 347.24 ZAE 137.88 ETE 227.00 ZAC 123.96 ETC 354.06 CLP-113.23

PLANETOCENTRIC CONIC

C3 8.255 VHL 2.873 OLA 3.90 RAL 170.19 RAD 6567.3 VEL 11.386 PTH 1.97 VHP 3.743 OPA -18.19 RAP 135.52 ECC 1.1359
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 16 0 2146.19 -17.85 37.20 19.62 112.35 7 51 46 1546.2 -14.67 29.97
 90.00 20 12 5 4547.80 11.02 191.64 18.64 63.75 21 27 53 3947.8 7.40 184.83
 100.00 8 39 10 1877.93 -18.63 17.12 19.27 113.81 9 10 28 1277.9 -15.25 9.95
 100.00 21 31 36 4291.30 11.77 172.39 18.25 62.32 22 43 7 3691.3 7.97 165.66
 110.00 9 51 37 1651.21 -20.69 358.85 18.21 117.84 10 19 8 1051.2 -16.81 351.88
 110.00 22 35 39 4090.78 13.76 156.01 17.09 58.40 23 43 50 3490.8 9.48 149.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.4360 TRA 1.1167 TC3-3.8130 BAU .5134
 RDE -.3975 RRA 1.1068 RC3-2.6646 FAU .11860
 FDE-2.3688 FRA 4.9548 FC-12.4383 BSP 13178
 BDE .5901 BRA 1.5723 BC3 4.6518 FSP -3732

SGT 3246.4 SGR 2804.8 SG3 1131.4
 RRT .9864 RRF .9964 RTF .9850
 SGB 4290.3 R23 .0815 R13 .9932
 SG1 4276.0 SG2 349.4 TMA 40.77

ST 1099.5 SR 1034.9 SS 1806.2
 CRT .9991 CRS -.9908 CST -.9953
 LSA 2350.3 MSA 136.0 SSA 14.9
 EL1 1509.6 EL2 32.8 ALF 43.27

LAUNCH DATE MAY 7 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 487.788

RL 150.95 LAL -1.00 LOL 225.76 VL 27.191 GAL 4.35 AZL 90.37 MCA 214.12 SMA 130.23 ECC .17578 INC .3691 V1 29.517
 RP 107.75 LAP .21 LOP 79.88 VP 38.005 GAP 1.92 AZP 89.69 TAL 158.81 TAP 12.93 RCA 107.34 APO 153.13 V2 35.170
 RC 95.596 GL -3.44 GP -33.20 ZAL 55.68 ZAP 113.05 ETS 345.45 ZAE 137.96 ETE 220.52 ZAC 125.53 ETC 355.51 CLP-117.90

PLANETOCENTRIC CONIC

C3 8.505 VHL 2.916 OLA .74 RAL 169.61 RAD 6567.3 VEL 11.397 PTH 1.97 VHP 3.730 OPA -14.60 RAP 135.44 ECC 1.1400
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 37 16 2053.38 -15.36 31.53 18.89 114.08 8 11 29 1453.4 -11.98 24.48
 90.00 19 46 12 4651.81 14.07 197.75 18.70 65.17 21 3 44 4051.8 10.61 190.78
 100.00 8 58 57 1789.89 -16.13 11.78 18.52 115.52 9 28 47 1189.9 -12.56 4.81
 100.00 21 7 12 4390.52 14.84 178.16 18.32 63.75 22 20 23 3790.5 11.19 171.27
 110.00 10 7 59 1573.82 -18.16 354.27 17.41 119.47 10 34 13 973.8 -14.10 347.51
 110.00 22 14 40 4179.36 16.86 161.00 17.19 59.81 23 24 19 3579.4 12.72 154.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.5835 TRA 1.2640 TC3-4.0972 BAU .5349
 RDE -.3880 RRA .9991 RC3-2.3112 FAU .11843
 FDE-2.6663 FRA 5.0073 FC-12.0554 BSP 13550
 BDE .7007 BRA 1.6112 BC3 4.7041 FSP -3778

SGT 3632.3 SGR 2500.4 SG3 1138.6
 RRT .9878 RRF .9950 RTF .9869
 SGB 4409.7 R23 .0791 R13 .9922
 SG1 4397.9 SG2 322.2 TMA 34.42

ST 1369.2 SR 964.1 SS 1939.0
 CRT .9966 CRS -.9895 CST -.9979
 LSA 2558.6 MSA 131.4 SSA 15.6
 EL1 1673.3 EL2 64.7 ALF 35.12

LAUNCH DATE MAY 7 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 494.042

RL 150.95 LAL -.00 LOL 225.76 VL 27.182 GAL 4.47 AZL 90.66 MCA 217.35 SMA 130.17 ECC .17717 INC .6558 V1 29.517
 RP 107.72 LAP .40 LOP 83.11 VP 38.008 GAP 2.35 AZP 89.48 TAL 158.38 TAP 15.73 RCA 107.11 APO 153.24 V2 35.180
 RC 97.843 GL -5.99 GP -30.15 ZAL 55.06 ZAP 117.48 ETS 344.06 ZAE 137.50 ETE 214.78 ZAC 126.76 ETC 357.10 CLP-122.25

PLANETOCENTRIC CONIC

C3 8.832 VML 2.972 CLA -1.91 RAL 169.30 RAD 6567.3 VEL 11.411 PTH 1.98 VMP 3.759 DPA -11.41 RAP 135.43 ECC 1.1454
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 55 41 1978.51 -13.23 27.06 18.72 115.27 8 28 39 1378.5 -9.72 20.14
 90.00 19 25 23 4741.02 16.55 203.12 19.23 66.69 20 44 24 4141.0 13.26 196.00
 100.00 9 16 8 1718.99 -14.00 7.59 18.34 116.68 9 44 47 1119.0 -10.31 .75
 100.00 20 47 36 4475.77 17.34 183.25 18.86 65.26 22 2 12 3875.8 13.86 176.19
 110.00 10 22 20 1511.75 -16.05 350.70 17.18 120.59 10 47 32 911.7 -11.87 344.09
 110.00 21 57 54 4255.79 19.42 165.45 17.76 61.30 23 8 49 3655.8 15.44 158.59

DIFFERENTIAL CORRECTIONS

TDE -.7326 TRA 1.4075 TC3-4.2996 BAU .5591
 RDE -.3670 RRA .9037 RC3-1.9833 FAU .11573
 FDE-2.8877 FRA 4.9784 FC-11.3447 BSP 14061
 BDE .8194 BRA 1.6726 BC3 4.7350 FSP -3747

MID-COURSE EXECUTION ACCURACY

SGT 3987.2 SGR 2220.2 SG3 1122.2
 RRT .9879 RRF .9928 RTF .9881
 SGB 4563.6 R23 .0713 R13 .9914
 SG1 4553.7 SG2 301.7 THA 28.95

ORBIT DETERMINATION ACCURACY

ST 1632.3 SR 880.6 SS 2037.0
 CRT .9936 CRS -.9874 CST -.9989
 LSA 2751.6 MSA 131.4 SSA 15.8
 EL1 1852.6 EL2 87.9 ALF 28.26

LAUNCH DATE MAY 7 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 500.277

RL 150.95 LAL -.00 LOL 225.76 VL 27.172 GAL 4.61 AZL 90.90 MCA 220.58 SMA 130.10 ECC .17876 INC .9030 V1 29.517
 RP 107.69 LAP .59 LOP 86.34 VP 38.010 GAP 2.77 AZP 89.31 TAL 157.91 TAP 18.49 RCA 106.85 APO 153.36 V2 35.190
 RC 100.092 GL -8.08 GP -27.43 ZAL 54.43 ZAP 121.69 ETS 342.97 ZAE 136.67 ETE 209.86 ZAC 127.64 ETC 358.75 CLP-126.28

PLANETOCENTRIC CONIC

C3 9.223 VML 3.037 CLA -4.15 RAL 169.23 RAD 6567.3 VEL 11.429 PTH 1.98 VMP 3.822 DPA -8.60 RAP 135.55 ECC 1.1518
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 12 5 1917.19 -11.42 23.46 18.99 116.09 8 44 2 1317.2 -7.82 16.63
 90.00 19 8 22 4819.03 18.59 207.94 20.11 68.25 20 28 41 4219.0 15.47 200.65
 100.00 9 31 29 1661.06 -12.20 4.23 18.58 117.50 9 59 10 1061.1 -8.43 357.48
 100.00 20 31 39 4550.39 19.40 187.83 19.76 66.80 21 47 30 3950.4 16.09 180.60
 110.00 10 35 16 1461.38 -14.28 347.87 17.38 121.39 10 59 37 861.4 -10.02 341.35
 110.00 21 44 22 4322.84 21.56 169.47 18.67 62.81 22 56 25 3722.8 17.74 162.42

DIFFERENTIAL CORRECTIONS

TDE -.8816 TRA 1.5488 TC3-4.4293 BAU .5846
 RDE -.3383 RRA .8208 RC3-1.6910 FAU .11114
 FDE-3.0362 FRA 4.8922 FC-10.4322 BSP 14652
 BDE .9443 BRA 1.7528 BC3 4.7411 FSP -3652

MID-COURSE EXECUTION ACCURACY

SGT 4311.3 SGR 1967.9 SG3 1088.1
 RRT .9869 RRF .9898 RTF .9888
 SGB 4739.2 R23 .0595 R13 .9908
 SG1 4730.4 SG2 289.2 THA 24.35

ORBIT DETERMINATION ACCURACY

ST 1882.9 SR 790.8 SS 2102.8
 CRT .9896 CRS -.9840 CST -.9993
 LSA 2928.2 MSA 133.6 SSA 15.9
 EL1 2039.5 EL2 104.9 ALF 22.63

LAUNCH DATE MAY 7 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 506.490

RL 150.95 LAL -.00 LOL 225.76 VL 27.161 GAL 4.76 AZL 91.12 MCA 223.81 SMA 130.02 ECC .18058 INC 1.1196 V1 29.517
 RP 107.66 LAP .78 LOP 89.57 VP 38.010 GAP 3.20 AZP 89.19 TAL 157.40 TAP 21.22 RCA 106.54 APO 153.50 V2 35.199
 RC 102.344 GL -9.79 GP -25.00 ZAL 53.78 ZAP 125.65 ETS 342.11 ZAE 135.61 ETE 205.71 ZAC 128.17 ETC .41 CLP-130.02

PLANETOCENTRIC CONIC

C3 9.672 VML 3.110 CLA -6.06 RAL 169.34 RAD 6567.3 VEL 11.448 PTH 1.99 VMP 3.912 DPA -6.15 RAP 135.81 ECC 1.1592
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 27 0 1866.45 -9.89 20.53 19.57 116.67 8 58 6 1266.4 -6.23 13.76
 90.00 18 54 21 4888.36 20.28 212.33 21.27 69.80 20 15 49 4288.4 17.35 204.88
 100.00 9 45 28 1613.33 -10.69 1.49 19.15 118.08 10 12 21 1013.3 -6.85 354.81
 100.00 20 18 34 4616.72 21.12 192.01 20.92 68.34 21 35 30 4016.7 18.00 184.61
 110.00 10 47 7 1420.26 -12.81 345.59 17.90 121.97 11 10 48 820.3 -8.50 339.15
 110.00 21 33 23 4382.55 23.37 173.16 19.86 64.31 22 46 26 3782.5 19.72 165.92

DIFFERENTIAL CORRECTIONS

TDE -1.0268 TRA 1.6922 TC3-4.4851 BAU .6087
 RDE -.3037 RRA .7505 RC3-1.4311 FAU .10476
 FDE-3.1110 FRA 4.7762 FC3-9.3773 BSP 15219
 BDE 1.0707 BRA 1.8512 BC3 4.7079 FSP -3494

MID-COURSE EXECUTION ACCURACY

SGT 4603.3 SGR 1743.1 SG3 1041.0
 RRT .9846 RRF .9857 RTF .9890
 SGB 4922.3 R23 .0463 R13 .9903
 SG1 4914.0 SG2 285.4 THA 20.52

ORBIT DETERMINATION ACCURACY

ST 2114.2 SR 698.4 SS 2136.0
 CRT .9840 CRS -.9786 CST -.9995
 LSA 3082.4 MSA 137.4 SSA 15.9
 EL1 2223.5 EL2 118.3 ALF 18.06

LAUNCH DATE MAY 7 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 512.680

RL 150.95 LAL -.00 LOL 225.76 VL 27.148 GAL 4.93 AZL 91.31 MCA 227.05 SMA 129.93 ECC .18261 INC 1.3122 V1 29.517
 RP 107.63 LAP .96 LOP 92.80 VP 38.009 GAP 3.63 AZP 89.11 TAL 156.86 TAP 23.91 RCA 106.21 APO 153.66 V2 35.208
 RC 104.596 GL -11.20 GP -22.85 ZAL 53.08 ZAP 129.35 ETS 341.43 ZAE 134.43 ETE 202.26 ZAC 128.39 ETC 2.01 CLP-133.48

PLANETOCENTRIC CONIC

C3 10.176 VML 3.190 CLA -7.71 RAL 169.61 RAD 6567.4 VEL 11.470 PTH 1.99 VMP 4.026 DPA -4.02 RAP 136.21 ECC 1.1675
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 40 45 1824.24 -8.59 18.11 20.43 117.09 9 11 9 1224.2 -4.89 11.38
 90.00 18 42 43 4950.79 21.69 216.36 22.65 71.34 20 5 14 4350.8 18.95 208.76
 100.00 9 58 23 1573.79 -9.41 359.25 19.99 118.50 10 24 37 973.8 -5.53 352.61
 100.00 20 7 46 4676.47 22.58 195.85 22.31 69.87 21 25 43 4076.5 19.63 188.29
 110.00 10 58 10 1386.63 -11.59 343.74 18.68 122.38 11 21 16 786.6 -7.24 337.36
 110.00 21 24 29 4436.40 24.92 176.58 21.27 65.80 22 38 26 3836.4 21.44 169.16

DIFFERENTIAL CORRECTIONS

TDE -1.1725 TRA 1.8330 TC3-4.4976 BAU .6338
 RDE -.2684 RRA .6888 RC3-1.2154 FAU .09810
 FDE-3.1443 FRA 4.6259 FC3-8.3458 BSP 15873
 BDE 1.2028 BRA 1.9582 BC3 4.6589 FSP -3331

MID-COURSE EXECUTION ACCURACY

SGT 4868.9 SGR 1546.8 SG3 987.2
 RRT .9810 RRF .9800 RTF .9892
 SGB 5108.7 R23 .0322 R13 .9899
 SG1 5100.7 SG2 286.2 THA 17.37

ORBIT DETERMINATION ACCURACY

ST 2331.4 SR 610.9 SS 2151.4
 CRT .9762 CRS -.9709 CST -.9997
 LSA 3227.5 MSA 141.3 SSA 15.8
 EL1 2406.7 EL2 128.2 ALF 14.39

LAUNCH DATE MAY 7 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 518.848
 RL 150.95 LAL -.00 LOL 225.76 VL 27.134 GAL 5.11 AZL 91.49 MCA 230.28 SMA 129.84 ECC .18486 INC 1.4856 V1 29.517
 RP 107.61 LAP 1.14 LOP 96.04 VP 38.006 GAP 4.06 AZP 89.05 TAL 156.29 TAP 26.57 RCA 105.84 APO 153.84 V2 35.216
 RC 106.849 GL -12.35 GP -20.94 ZAL 52.34 ZAP 132.80 ETS 340.87 ZAE 133.21 ETE 199.42 ZAC 128.32 ETC 3.51 CLP-136.68

PLANETOCENTRIC CONIC

C3 10.738 VHL 3.277 OLA -9.14 RAL 170.01 RAD 6567.4 VEL 11.495 PTH 2.00 VMP 4.160 DPA -2.20 RAP 136.78 ECC 1.1767
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 53 36 1789.08 -7.49 16.10 21.50 117.39 9 23 25 1189.1 -3.76 9.41
 90.00 18 33 5 5007.66 22.88 220.10 24.21 118.81 10 36 10 941.1 -4.44 350.80
 100.00 10 10 29 1541.06 -8.34 357.41 21.04 118.81 21 17 44 4130.9 21.04 191.72
 100.00 19 58 53 4730.91 23.81 199.43 23.89 71.37 21 17 44 4130.9 21.04 191.72
 110.00 11 8 33 1359.21 -10.59 342.26 19.68 122.69 11 31 12 759.2 -6.20 335.91
 110.00 21 17 18 4485.53 26.25 179.78 22.87 67.27 22 32 4 3885.5 22.94 172.18

DIFFERENTIAL CORRECTIONS

TDE-1.3156 TRA 1.9763 TC3-4.4641 BAU .6578
 RDE -.2320 RRA .6366 RC3-1.0330 FAU .09103
 FDE-3.1344 FRA 4.4665 FC3-7.3396 BSP 16500
 BDE 1.3359 BRA 2.0763 BC3 4.5821 FSP -3147

MID-COURSE EXECUTION ACCURACY

SGT 5108.8 SGR 1376.2 SG3 929.5
 RRT .9756 RRF .9724 RTF .9891
 SGB 5291.0 R23 .0193 R13 .9895
 SGI 5282.9 SG2 291.9 TMA 14.77

ORBIT DETERMINATION ACCURACY

ST 2530.1 SR 528.5 SS 2147.3
 CRT .9646 CRS -.9592 CST -.9998
 LSA 3357.1 MSA 145.6 SSA 15.7
 EL1 2581.1 EL2 136.6 ALF 11.42

LAUNCH DATE MAY 7 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 524.991
 RL 150.95 LAL -.00 LOL 225.76 VL 27.119 GAL 5.31 AZL 91.64 MCA 233.52 SMA 129.73 ECC .18734 INC 1.6436 V1 29.517
 RP 107.59 LAP 1.32 LOP 99.27 VP 38.002 GAP 4.49 AZP 89.02 TAL 155.69 TAP 29.21 RCA 105.43 APO 154.04 V2 35.223
 RC 109.101 GL -13.28 GP -19.25 ZAL 51.55 ZAP 136.01 ETS 340.38 ZAE 131.99 ETE 197.07 ZAC 127.99 ETC 4.89 CLP-139.65

PLANETOCENTRIC CONIC

C3 11.360 VHL 3.370 OLA -10.38 RAL 170.52 RAD 6567.4 VEL 11.522 PTH 2.01 VMP 4.311 DPA -.65 RAP 137.50 ECC 1.1870
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 5 41 1759.89 -6.57 14.45 22.75 117.61 9 35 1 1159.9 -2.82 7.78
 90.00 18 25 6 5059.99 23.89 223.61 25.94 74.33 19 49 26 4460.0 21.51 215.75
 100.00 10 21 52 1514.10 -7.46 355.90 22.27 119.03 10 47 6 914.1 -3.53 349.31
 100.00 19 51 36 4781.01 24.85 202.78 25.62 72.83 21 11 17 4181.0 22.27 194.93
 110.00 11 18 24 1337.07 -9.77 341.06 20.87 122.92 11 40 41 737.1 -5.37 334.74
 110.00 21 11 34 4530.81 27.40 182.79 24.63 68.72 22 27 4 3930.8 24.26 175.03

DIFFERENTIAL CORRECTIONS

TDE-1.4568 TRA 2.1225 TC3-4.3935 BAU .6805
 RDE -.1959 RRA .5922 RC3 -.8801 FAU .08392
 FDE-3.0952 FRA 4.3037 FC3-6.3954 BSP 17119
 BDE 1.4699 BRA 2.2036 BC3 4.4808 FSP -2961

MID-COURSE EXECUTION ACCURACY

SGT 5325.5 SGR 1229.0 SG3 870.9
 RRT .9681 RRF .9625 RTF .9889
 SGB 5465.5 R23 .0081 R13 .9891
 SGI 5457.2 SG2 300.5 TMA 12.63

ORBIT DETERMINATION ACCURACY

ST 2711.5 SR 453.3 SS 2129.4
 CRT .9471 CRS -.9414 CST -.9998
 LSA 3474.1 MSA 150.0 SSA 15.6
 EL1 2745.4 EL2 143.6 ALF 9.02

LAUNCH DATE MAY 7 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 531.109
 RL 150.95 LAL -.00 LOL 225.76 VL 27.102 GAL 5.53 AZL 91.79 MCA 236.76 SMA 129.62 ECC .19005 INC 1.7888 V1 29.517
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.997 GAP 4.93 AZP 89.02 TAL 155.05 TAP 31.81 RCA 104.99 APO 154.25 V2 35.230
 RC 111.351 GL -14.04 GP -17.75 ZAL 50.73 ZAP 138.99 ETS 339.95 ZAE 130.81 ETE 195.13 ZAC 127.43 ETC 6.13 CLP-142.40

PLANETOCENTRIC CONIC

C3 12.046 VHL 3.471 OLA -11.48 RAL 171.14 RAD 6567.5 VEL 11.551 PTH 2.02 VMP 4.477 DPA .66 RAP 138.35 ECC 1.1982
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 17 8 1735.87 -5.81 13.09 24.17 117.76 9 46 4 1135.9 -2.05 6.43
 90.00 18 18 33 5108.56 24.74 226.91 27.80 75.77 19 43 42 4508.6 22.55 218.93
 100.00 10 32 41 1492.14 -6.73 354.67 23.67 119.19 10 57 33 892.1 -2.79 348.11
 100.00 19 45 41 4827.52 25.75 205.94 27.50 74.27 21 6 9 4227.5 23.34 197.97
 110.00 11 27 48 1319.51 -9.12 340.12 22.21 123.09 11 49 48 719.5 -4.70 333.82
 110.00 21 7 3 4572.91 28.41 185.65 26.54 70.14 22 23 16 3972.9 25.44 177.73

DIFFERENTIAL CORRECTIONS

TDE-1.5961 TRA 2.2732 TC3-4.2911 BAU .7016
 RDE -.1605 RRA .5546 RC3 -.7520 FAU .07694
 FDE-3.0336 FRA 4.1439 FC3-5.5292 BSP 17700
 BDE 1.6042 BRA 2.3398 BC3 4.3565 FSP -2773

MID-COURSE EXECUTION ACCURACY

SGT 5520.7 SGR 1102.5 SG3 813.0
 RRT .9579 RRF .9497 RTF .9887
 SGB 5629.7 R23 -.0014 R13 .9887
 SGI 5621.1 SG2 310.8 TMA 10.86

ORBIT DETERMINATION ACCURACY

ST 2875.8 SR 386.0 SS 2100.3
 CRT .9202 CRS -.9140 CST -.9998
 LSA 3578.6 MSA 154.5 SSA 15.5
 EL1 2897.7 EL2 150.0 ALF 7.06

LAUNCH DATE MAY 7 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 537.200
 RL 150.95 LAL -.00 LOL 225.76 VL 27.085 GAL 5.77 AZL 91.92 MCA 240.00 SMA 129.50 ECC .19301 INC 1.9238 V1 29.517
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.990 GAP 5.37 AZP 89.04 TAL 154.39 TAP 34.39 RCA 104.51 APO 154.50 V2 35.236
 RC 113.598 GL -14.64 GP -16.43 ZAL 49.87 ZAP 141.76 ETS 339.53 ZAE 129.70 ETE 193.53 ZAC 126.66 ETC 7.24 CLP-144.97

PLANETOCENTRIC CONIC

C3 12.804 VHL 3.578 OLA -12.44 RAL 171.84 RAD 6567.5 VEL 11.584 PTH 2.03 VMP 4.658 DPA 1.74 RAP 139.35 ECC 1.2107
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 28 1 1716.41 -5.19 12.00 25.72 117.88 9 56 38 1116.4 -1.42 5.35
 90.00 18 13 14 5153.97 25.47 230.04 29.78 77.18 19 39 8 4554.0 23.45 221.95
 100.00 10 42 59 1474.58 -6.14 353.70 25.20 119.31 11 7 33 874.6 -2.19 347.14
 100.00 19 40 58 4871.03 26.52 208.95 29.50 75.68 21 2 9 4271.0 24.29 200.86
 110.00 11 36 49 1305.98 -8.62 339.39 23.68 123.21 11 58 35 706.0 -4.19 333.11
 110.00 21 3 37 4612.40 29.29 188.38 21.54 22 20 29 4012.4 26.49 180.32

DIFFERENTIAL CORRECTIONS

TDE-1.7309 TRA 2.4319 TC3-4.1554 BAU .7198
 RDE -.1254 RRA .5232 RC3 -.6427 FAU .06996
 FDE-2.9506 FRA 3.9958 FC3-4.7306 BSP 18180
 BDE 1.7355 BRA 2.4875 BC3 4.2048 FSP -2578

MID-COURSE EXECUTION ACCURACY

SGT 5694.4 SGR 994.0 SG3 756.7
 RRT .9445 RRF .9336 RTF .9883
 SGB 5780.5 R23 -.0085 R13 .9882
 SGI 5771.5 SG2 322.3 TMA 9.39

ORBIT DETERMINATION ACCURACY

ST 3020.1 SR 326.8 SS 2059.6
 CRT .8774 CRS -.8707 CST -.9999
 LSA 3666.6 MSA 159.3 SSA 15.4
 EL1 3033.7 EL2 156.1 ALF 5.44

LAUNCH DATE MAY 7 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 543.262

RL 150.95 LAL -.00 LOL 225.76 VL 27.067 GAL 6.02 AZL 92.05 HCA 243.24 SMA 129.38 ECC .19623 INC 2.0502 VI 29.517
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.982 GAP 5.82 AZP 89.08 TAL 153.69 TAP 36.94 RCA 103.99 APO 154.77 V2 35.241
 RC 115.842 GL -15.11 GP -15.26 ZAL 48.97 ZAP 144.34 ETS 339.11 ZAE 128.65 ETE 192.20 ZAC 125.73 ETC 8.20 CLP-147.37

PLANETOCENTRIC CONIC

C3 13.640 VML 3.693 DLA -13.29 RAL 172.60 RAD 6567.5 VEL 11.620 PTM 2.04 VMP 4.851 OPA 2.63 RAP 140.46 ECC 1.2245
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 38 24 1701.06 -4.71 11.14 27.39 117.96 10 6 45 1101.1 -.93 4.49
 90.00 18 8 59 5196.71 26.08 233.02 31.88 78.56 19 35 36 4596.7 24.24 224.84
 100.00 10 52 48 1460.99 -5.69 352.94 26.85 119.39 11 17 9 861.0 -1.73 346.39
 100.00 19 37 16 4912.01 27.18 211.82 31.62 77.05 20 59 8 4312.0 25.12 203.62
 110.00 11 45 27 1296.09 -8.25 338.87 25.28 123.29 12 7 3 696.1 -3.81 332.59
 110.00 21 1 6 4649.67 30.07 191.01 30.73 72.92 22 18 36 4049.7 27.44 182.81

DIFFERENTIAL CORRECTIONS

TDE-1.8676 TRA 2.5944 TC3-4.0081 BAU .7378
 RDE -.0924 RRA .4959 RC3 -.5529 FAU .06364
 FDE-2.8662 FRA 3.8509 FC3-4.0394 BSP 18704
 BDE 1.8699 BRA 2.6413 BC3 4.0461 FSP -2407

MID-COURSE EXECUTION ACCURACY

SGT 5853.5 SGR 901.3 SG3 703.8
 RRT .9276 RRF .9138 RTF .9879
 SGB 5922.4 R23 -.0149 R13 .9878
 SG1 5913.1 SG2 333.3 THA 8.15

ORBIT DETERMINATION ACCURACY

ST 3153.1 SR 277.4 SS 2017.4
 CRT .8125 CRS -.8052 CST -.9999
 LSA 3749.9 MSA 163.6 SSA 15.3
 EL1 3161.2 EL2 161.3 ALF 4.10

LAUNCH DATE MAY 7 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 549.295

RL 150.95 LAL -.00 LOL 225.76 VL 27.048 GAL 6.30 AZL 92.17 HCA 246.49 SMA 129.25 ECC .19972 INC 2.1697 VI 29.517
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.973 GAP 6.28 AZP 89.13 TAL 152.98 TAP 39.47 RCA 103.44 APO 155.06 V2 35.246
 RC 118.080 GL -15.47 GP -14.22 ZAL 48.04 ZAP 146.75 ETS 338.66 ZAE 127.68 ETE 191.09 ZAC 124.64 ETC 9.04 CLP-149.62

PLANETOCENTRIC CONIC

C3 14.563 VML 3.816 DLA -14.04 RAL 173.43 RAD 6567.6 VEL 11.660 PTM 2.05 VMP 5.056 OPA 3.35 RAP 141.69 ECC 1.2397
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 48 18 1689.45 -4.33 10.48 29.17 118.01 10 16 27 1089.4 -.55 3.84
 90.00 18 5 42 5237.18 26.59 235.87 34.08 79.90 19 33 0 4637.2 24.93 227.60
 100.00 11 2 12 1451.01 -5.36 352.39 28.61 119.45 11 26 23 851.0 -1.39 345.85
 100.00 19 34 30 4950.85 27.74 214.57 33.83 78.39 20 57 0 4350.8 25.86 206.27
 110.00 11 53 46 1289.51 -8.00 338.52 26.99 123.34 12 15 15 689.5 -3.56 332.24
 110.00 20 59 25 4685.11 30.75 193.55 32.99 74.28 22 17 30 4085.1 28.29 185.21

DIFFERENTIAL CORRECTIONS

TDE-2.0035 TRA 2.7641 TC3-3.8454 BAU .7544
 RDE -.0604 RRA .4726 RC3 -.4772 FAU .05774
 FDE-2.7762 FRA 3.7158 FC3-3.4326 BSP 19186
 BDE 2.0045 BRA 2.8042 BC3 3.8749 FSP -2245

MID-COURSE EXECUTION ACCURACY

SGT 5996.8 SGR 822.0 SG3 654.1
 RRT .9068 RRF .8899 RTF .9875
 SGB 6052.9 R23 -.0201 R13 .9873
 SG1 6043.1 SG2 343.9 THA 7.11

ORBIT DETERMINATION ACCURACY

ST 3271.6 SR 237.6 SS 1970.9
 CRT .7141 CRS -.7062 CST -.9999
 LSA 3823.0 MSA 167.8 SSA 15.2
 EL1 3276.0 EL2 166.1 ALF 2.98

LAUNCH DATE MAY 7 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 555.294

RL 150.95 LAL -.00 LOL 225.76 VL 27.028 GAL 6.59 AZL 92.28 HCA 249.73 SMA 129.11 ECC .20349 INC 2.2834 VI 29.517
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.962 GAP 6.74 AZP 89.21 TAL 152.24 TAP 41.97 RCA 102.84 APO 155.39 V2 35.250
 RC 120.312 GL -15.72 GP -13.29 ZAL 47.09 ZAP 149.00 ETS 338.17 ZAE 126.78 ETE 190.15 ZAC 123.42 ETC 9.76 CLP-151.73

PLANETOCENTRIC CONIC

C3 15.585 VML 3.948 DLA -14.70 RAL 174.31 RAD 6567.6 VEL 11.703 PTM 2.06 VMP 5.273 OPA 3.90 RAP 143.02 ECC 1.2565
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 57 45 1681.31 -4.07 10.03 31.05 118.05 10 25 47 1081.3 -.29 3.39
 90.00 18 3 17 5275.68 27.02 238.61 36.37 81.20 19 31 12 4675.7 25.53 230.26
 100.00 11 11 11 1444.38 -5.14 352.02 30.47 119.49 11 35 16 844.4 -1.17 345.48
 100.00 19 32 32 4987.84 28.22 217.21 36.14 79.70 20 55 40 4387.8 26.51 208.83
 110.00 12 1 45 1285.99 -7.87 338.33 28.79 123.37 12 23 11 686.0 -3.43 332.06
 110.00 20 58 27 4719.00 31.35 196.01 35.35 75.62 22 17 6 4119.0 29.06 187.55

DIFFERENTIAL CORRECTIONS

TDE-2.1384 TRA 2.9431 TC3-3.6672 BAU .7689
 RDE -.0292 RRA .4525 RC3 -.4123 FAU .05216
 FDE-2.6828 FRA 3.5924 FC3-2.8975 BSP 19625
 BDE 2.1386 BRA 2.9776 BC3 3.6903 FSP -2091

MID-COURSE EXECUTION ACCURACY

SGT 6125.1 SGR 754.2 SG3 607.6
 RRT .8816 RRF .8616 RTF .9870
 SGB 6171.4 R23 -.0242 R13 .9869
 SG1 6161.2 SG2 353.9 THA 6.22

ORBIT DETERMINATION ACCURACY

ST 3375.7 SR 208.3 SS 1921.2
 CRT .5720 CRS -.5637 CST -.9999
 LSA 3885.8 MSA 171.9 SSA 15.0
 EL1 3377.8 EL2 170.7 ALF 2.03

LAUNCH DATE MAY 7 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 561.259

RL 150.95 LAL -.00 LOL 225.76 VL 27.008 GAL 6.91 AZL 92.39 HCA 252.98 SMA 128.98 ECC .20757 INC 2.3925 VI 29.517
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.951 GAP 7.22 AZP 89.30 TAL 151.48 TAP 44.46 RCA 102.20 APO 155.75 V2 35.253
 RC 122.538 GL -15.89 GP -12.47 ZAL 46.12 ZAP 151.11 ETS 337.63 ZAE 125.95 ETE 189.36 ZAC 122.09 ETC 10.37 CLP-153.73

PLANETOCENTRIC CONIC

C3 16.716 VML 4.089 DLA -15.29 RAL 175.24 RAD 6567.7 VEL 11.752 PTM 2.07 VMP 5.503 OPA 4.32 RAP 144.44 ECC 1.2751
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 6 47 1676.41 -3.92 9.75 33.02 118.07 10 34 43 1076.4 -.13 3.12
 90.00 18 1 37 5312.49 27.38 241.24 38.74 82.48 19 30 9 4712.5 26.06 232.83
 100.00 11 19 47 1440.87 -5.02 351.83 32.41 119.51 11 43 48 840.9 -1.05 345.29
 100.00 19 31 18 5023.26 28.62 219.77 38.53 80.99 20 55 1 4423.3 27.08 211.30
 110.00 12 9 26 1285.32 -7.85 338.29 30.68 123.38 12 30 52 685.3 -3.40 332.03
 110.00 20 58 8 4751.58 31.88 198.40 37.80 76.95 22 17 20 4151.6 29.75 189.83

DIFFERENTIAL CORRECTIONS

TDE-2.2703 TRA 3.1350 TC3-3.4725 BAU .7801
 RDE .0015 RRA .4354 RC3 -.3560 FAU .04678
 FDE-2.5850 FRA 3.4837 FC3-2.4228 BSP 19948
 BDE 2.2703 BRA 3.1651 BC3 3.4907 FSP -1937

MID-COURSE EXECUTION ACCURACY

SGT 6239.2 SGR 696.4 SG3 564.3
 RRT .8518 RRF .8290 RTF .9865
 SGB 6278.0 R23 -.0270 R13 .9863
 SG1 6267.5 SG2 363.2 THA 5.45

ORBIT DETERMINATION ACCURACY

ST 3463.6 SR 190.0 SS 1867.6
 CRT .3847 CRS -.3763 CST -.9999
 LSA 3935.7 MSA 176.1 SSA 14.9
 EL1 3464.4 EL2 175.3 ALF 1.21

LAUNCH DATE MAY 7 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC
 RL 150.95 LAL -1.00 LOL 225.76 VL 26.987 GAL 7.25 AZL 92.50 HCA 256.22 SMA 128.83 ECC .21196 INC 2.4979 V1 29.517
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.938 GAP 7.70 AZP 89.40 TAL 150.70 TAP 46.93 RCA 101.53 APO 156.14 V2 35.256
 RC 124.755 GL -15.98 GP -11.73 ZAL 45.14 ZAP 153.10 ETS 337.01 ZAE 125.18 ETE 188.68 ZAC 120.66 ETC 10.88 CLP-155.62

PLANETOCENTRIC CONIC
 C3 17.971 VHL 4.239 CLA -15.80 RAL 176.19 RAD 6567.7 VEL 11.805 PTH 2.09 VHP 5.744 DPA 4.60 RAP 145.93 ECC 1.2958
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 15 23 1674.58 -3.86 9.65 35.07 118.07 10 43 17 1074.6 -1.07 3.02
 90.00 18 0 39 5347.82 27.67 243.79 41.19 83.72 19 29 47 4747.8 26.51 235.31
 100.00 11 27 59 1440.32 -5.00 351.80 34.44 119.51 11 51 59 840.3 -1.03 345.26
 100.00 19 30 44 5057.31 28.96 222.24 41.01 82.25 20 55 1 4457.3 27.59 213.71
 110.00 12 16 49 1287.35 -7.92 338.40 32.64 123.36 12 38 16 687.3 -3.48 332.13
 110.00 20 58 23 4783.05 32.34 200.74 40.33 78.26 22 18 6 4183.0 30.38 192.07

DIFFERENTIAL CORRECTIONS
 TDE-2.4066 TRA 3.3332 TC3-3.2798 BAU .7915 SGT 6342.9 SGR 646.6 SG3 524.5 ORBIT DETERMINATION ACCURACY
 RDE .0310 RRA .4199 RC3 -.3086 FAU .04204 RRT .8174 RRF .7917 RTF .9860 ST 3543.9 SR 182.0 SS 1816.8
 FDE-2.4948 FRA 3.3799 FC3-2.0251 BSP 20336 SGB 6375.8 R23 -.0296 R13 .9859 CRT .1748 CRS -.1666 CST -.9999
 BDE 2.4068 BRA 3.3595 BC3 3.2943 FSP -1807 SGI 6365.0 SG2 371.1 THA 4.78 LSA 3982.6 MSA 179.8 SSA 14.7
 ELI 3544.1 EL2 179.2 ALF .52

LAUNCH DATE MAY 7 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC
 RL 150.95 LAL -1.00 LOL 225.76 VL 26.965 GAL 7.62 AZL 92.60 HCA 259.47 SMA 128.69 ECC .21671 INC 2.6004 V1 29.517
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.925 GAP 8.20 AZP 89.52 TAL 149.91 TAP 49.38 RCA 100.80 APO 156.58 V2 35.258
 RC 126.964 GL -16.00 GP -11.07 ZAL 44.14 ZAP 154.97 ETS 336.31 ZAE 124.48 ETE 188.10 ZAC 119.14 ETC 11.32 CLP-157.41

PLANETOCENTRIC CONIC
 C3 19.366 VHL 4.401 CLA -16.25 RAL 177.18 RAD 6567.8 VEL 11.864 PTH 2.10 VHP 5.998 DPA 4.78 RAP 147.50 ECC 1.3187
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 23 34 1675.68 -3.89 9.71 37.18 118.07 10 51 30 1075.7 -1.11 3.08
 90.00 18 0 18 5381.85 27.90 246.25 43.71 84.94 19 30 0 4781.8 26.90 237.73
 100.00 11 35 48 1442.57 -5.07 351.92 36.53 119.50 11 59 51 842.6 -1.11 345.38
 100.00 19 30 45 5090.18 29.24 224.64 43.55 83.49 20 55 35 4490.2 28.03 216.05
 110.00 12 23 54 1291.93 -8.09 338.64 34.68 123.33 12 45 26 691.9 -3.65 332.37
 110.00 20 59 9 4813.59 32.74 203.03 42.95 79.56 22 19 23 4213.6 30.95 194.27

DIFFERENTIAL CORRECTIONS
 TDE-2.5437 TRA 3.5433 TC3-3.0821 BAU .8010 SGT 6435.6 SGR 603.7 SG3 487.8 ORBIT DETERMINATION ACCURACY
 RDE .0600 RRA .4059 RC3 -.2674 FAU .03763 RRT .7785 RRF .7501 RTF .9856 ST 3612.8 SR 182.8 SS 1766.0
 FDE-2.4070 FRA 3.2864 FC3-1.6823 BSP 20685 SGB 6463.8 R23 -.0316 R13 .9855 CRT -.0307 CRS .0383 CST -.9999
 BDE 2.5444 BRA 3.5665 BC3 3.0937 FSP -1685 SGI 6452.8 SG2 378.0 THA 4.19 LSA 4021.3 MSA 183.2 SSA 14.6
 ELI 3612.8 EL2 182.8 ALF 179.91

LAUNCH DATE MAY 7 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC
 RL 150.95 LAL -1.00 LOL 225.76 VL 26.943 GAL 8.01 AZL 92.70 HCA 262.72 SMA 128.54 ECC .22183 INC 2.7008 V1 29.517
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.910 GAP 8.72 AZP 89.66 TAL 149.11 TAP 51.82 RCA 100.03 APO 157.05 V2 35.259
 RC 129.165 GL -15.95 GP -10.48 ZAL 43.14 ZAP 156.75 ETS 335.50 ZAE 123.83 ETE 187.60 ZAC 117.55 ETC 11.68 CLP-159.12

PLANETOCENTRIC CONIC
 C3 20.921 VHL 4.574 CLA -16.64 RAL 178.18 RAD 6567.8 VEL 11.929 PTH 2.12 VHP 6.266 DPA 4.85 RAP 149.13 ECC 1.3443
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 31 20 1679.58 -4.02 9.93 39.37 118.05 10 59 19 1079.6 -1.24 3.29
 90.00 18 0 32 5414.73 28.07 248.64 46.29 86.12 19 30 47 4814.7 27.24 240.08
 100.00 11 43 15 1447.51 -5.24 352.20 38.69 119.47 12 7 22 847.5 -1.28 345.66
 100.00 19 31 18 5122.03 29.46 226.99 46.17 84.70 20 56 40 4522.0 28.42 218.34
 110.00 12 30 40 1298.96 -8.36 339.02 36.78 123.27 12 52 19 699.0 -3.92 332.74
 110.00 21 0 22 4843.35 33.08 205.28 45.63 80.85 22 21 6 4243.4 31.46 196.43

DIFFERENTIAL CORRECTIONS
 TDE-2.6823 TRA 3.7661 TC3-2.8813 BAU .8085 SGT 6517.9 SGR 566.8 SG3 454.0 ORBIT DETERMINATION ACCURACY
 RDE .0887 RRA .3930 RC3 -.2314 FAU .03353 RRT .7349 RRF .7042 RTF .9852 ST 3671.3 SR 190.2 SS 1715.8
 FDE-2.3225 FRA 3.2028 FC3-1.3876 BSP 21002 SGB 6542.5 R23 -.0329 R13 .9850 CRT -.2080 CRS .2148 CST -.9999
 BDE 2.6838 BRA 3.7866 BC3 2.8906 FSP -1572 SGI 6531.2 SG2 383.6 THA 3.67 LSA 4052.6 MSA 186.3 SSA 14.4
 ELI 3671.5 EL2 186.0 ALF 179.38

LAUNCH DATE MAY 7 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC
 RL 150.95 LAL -1.00 LOL 225.76 VL 26.921 GAL 8.43 AZL 92.80 HCA 265.96 SMA 128.39 ECC .22736 INC 2.7998 V1 29.517
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.894 GAP 9.25 AZP 89.80 TAL 148.29 TAP 54.25 RCA 99.20 APO 157.58 V2 35.259
 RC 131.355 GL -15.86 GP -9.95 ZAL 42.13 ZAP 158.43 ETS 334.57 ZAE 123.22 ETE 187.16 ZAC 115.90 ETC 11.99 CLP-160.76

PLANETOCENTRIC CONIC
 C3 22.656 VHL 4.760 CLA -16.98 RAL 179.20 RAD 6567.9 VEL 12.001 PTH 2.14 VHP 6.548 DPA 4.82 RAP 150.80 ECC 1.3729
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 38 41 1686.18 -4.23 10.30 41.61 118.03 11 6 47 1086.2 -1.45 3.66
 90.00 18 1 18 5446.61 28.20 250.97 48.94 87.28 19 32 4 4846.6 27.52 242.37
 100.00 11 50 19 1455.05 -5.49 352.62 40.91 119.43 12 14 34 855.0 -1.53 346.07
 100.00 19 32 21 5152.98 29.63 229.27 48.84 85.89 20 58 14 4553.0 28.75 220.58
 110.00 12 37 8 1308.33 -8.70 339.52 38.94 123.19 12 58 57 708.3 -4.28 333.23
 110.00 21 2 0 4872.46 33.37 207.51 48.38 82.14 22 23 13 4272.5 31.93 198.58

DIFFERENTIAL CORRECTIONS
 TDE-2.8229 TRA 4.0028 TC3-2.6796 BAU .8138 SGT 6590.5 SGR 534.7 SG3 422.8 ORBIT DETERMINATION ACCURACY
 RDE .1172 RRA .3809 RC3 -.1999 FAU .02974 RRT .6870 RRF .6543 RTF .9848 ST 3719.8 SR 201.6 SS 1666.6
 FDE-2.2418 FRA 3.1280 FC3-1.1363 BSP 21287 SGB 6612.1 R23 -.0338 R13 .9847 CRT -.3490 CRS .3549 CST -.9999
 BDE 2.8253 BRA 4.0208 BC3 2.6870 FSP -1467 SGI 6600.8 SG2 388.0 THA 3.20 LSA 4076.7 MSA 189.0 SSA 14.2
 ELI 3720.5 EL2 188.9 ALF 178.91

LAUNCH DATE MAY 7 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 590.436

RL 150.95 LAL -.00 LOL 225.76 VL 26.898 GAL 8.88 AZL 92.90 MCA 269.21 SMA 128.24 ECC .23333 INC 2.8979 V1 29.517
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.878 GAP 9.80 A7P 89.96 TAL 147.47 TAP 56.67 RCA 98.32 APO 158.16 V2 35.259
 RC 133.537 GL -15.72 GP -9.47 ZAL 41.13 ZAP 160.03 ETS 333.49 ZAE 122.66 ETE 186.77 ZAC 114.18 ETC 12.24 CLP-162.34

PLANETOCENTRIC CONIC

C3 24.597 VHL 4.960 DLA -17.27 RAL 180.22 RAD 6568.0 VEL 12.082 PTH 2.16 VHP 6.845 DPA 4.72 RAP 152.52 ECC 1.4048
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 45 37 1695.39 -4.52 10.82 43.90 117.98 11 13 52 1095.4 -1.75 4.18
 90.00 18 2 31 5477.60 28.28 253.23 51.64 88.42 19 33 49 4877.6 27.76 244.60
 100.00 11 56 59 1465.08 -5.83 353.17 43.18 119.37 12 21 24 865.1 -1.87 346.62
 100.00 19 33 50 5183.14 29.76 231.50 51.57 87.06 21 0 13 4583.1 29.04 222.77
 110.00 12 43 18 1319.97 -9.14 340.14 41.16 123.08 13 5 18 720.0 -4.72 333.84
 110.00 21 4 0 4901.02 33.62 209.70 51.20 83.41 22 25 41 4301.0 32.34 200.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.9632 TRA 4.2575 TC3-2.4726 BAU .8151 SGT 6653.1 SGR 507.0 SG3 394.2 ST 3756.6 SR 215.4 SS 1617.5
 ROE .1459 RRA .3693 RC3 -.1717 FAU .02606 RRT .6351 RRF .6011 RTF .9844 CRT -.4565 CRS .4614 CST -.9999
 FDE-2.1626 FRA 3.0644 FC3 -.9171 BSP 21464 SGB 6672.4 R23 -.0340 R13 .9843 LSA 4091.2 MSA 191.7 SSA 14.0
 BOE 2.9668 BRA 4.2735 BC3 2.4786 FSP -1363 SGI 6660.9 SG2 391.1 THA 2.78 EL1 3757.9 EL2 191.5 ALF 178.50

LAUNCH DATE MAY 7 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 596.109

RL 150.95 LAL -.00 LOL 225.76 VL 26.875 GAL 9.36 AZL 93.00 MCA 272.45 SMA 128.08 ECC .23978 INC 2.9959 V1 29.517
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.860 GAP 10.38 A7P 90.13 TAL 146.64 TAP 59.10 RCA 97.37 APO 158.79 V2 35.257
 RC 135.709 GL -15.54 GP -9.04 ZAL 40.14 ZAP 161.56 ETS 332.22 ZAE 122.14 ETE 186.43 ZAC 112.43 ETC 12.45 CLP-163.86

PLANETOCENTRIC CONIC

C3 26.775 VHL 5.174 DLA -17.51 RAL 181.24 RAD 6568.1 VEL 12.172 PTH 2.18 VHP 7.160 DPA 4.53 RAP 154.28 ECC 1.4407
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 52 7 1707.14 -4.90 11.48 46.24 117.92 11 20 34 1107.1 -1.12 4.83
 90.00 18 4 11 5507.78 28.31 255.44 54.39 89.52 19 35 59 4907.8 27.95 246.79
 100.00 12 3 16 1477.53 -6.24 353.86 45.50 119.29 12 27 54 877.5 -2.29 347.30
 100.00 19 35 43 5212.62 29.84 233.69 54.36 88.21 21 2 36 4612.6 29.28 224.93
 110.00 12 49 9 1333.80 -9.65 340.89 43.42 122.95 13 11 23 733.8 -5.24 334.57
 110.00 21 6 20 4929.11 33.82 211.87 54.07 84.68 22 28 29 4329.1 32.71 202.81

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.1109 TRA 4.5243 TC3-2.2749 BAU .8160 SGT 6708.4 SGR 482.4 SG3 367.8 ST 3788.7 SR 229.7 SS 1572.4
 ROE .1743 RRA .3574 RC3 -.1473 FAU .02281 RRT .5792 RRF .5442 RTF .9841 CRT -.5380 CRS .5421 CST .9999
 FDE-2.0918 FRA 3.0053 FC3 -.7376 BSP 21711 SGB 6725.7 R23 -.0341 R13 .9841 LSA 4103.8 MSA 193.6 SSA 13.7
 BOE 3.1158 BRA 4.5383 BC3 2.2797 FSP -1275 SGI 6714.2 SG2 392.9 THA 2.39 EL1 3790.7 EL2 193.5 ALF 178.13

LAUNCH DATE MAY 7 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 601.711

RL 150.95 LAL -.00 LOL 225.76 VL 26.851 GAL 9.88 AZL 93.09 MCA 275.70 SMA 127.93 ECC .24675 INC 3.0943 V1 29.517
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.841 GAP 10.98 A7P 90.31 TAL 145.81 TAP 61.51 RCA 96.36 APO 159.49 V2 35.255
 RC 137.871 GL -15.32 GP -8.65 ZAL 39.15 ZAP 163.02 ETS 330.74 ZAE 121.64 ETE 186.12 ZAC 110.63 ETC 12.63 CLP-165.33

PLANETOCENTRIC CONIC

C3 29.226 VHL 5.406 DLA -17.71 RAL 182.26 RAD 6568.2 VEL 12.272 PTH 2.21 VHP 7.492 DPA 4.28 RAP 156.06 ECC 1.4810
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 58 11 1721.34 -5.35 12.28 48.62 117.85 11 26 52 1121.3 -1.58 5.62
 90.00 18 6 15 5537.23 28.31 257.59 57.19 90.60 19 38 32 4937.2 28.09 248.93
 100.00 12 9 10 1492.32 -6.73 354.69 47.86 119.19 12 34 2 892.3 -2.79 348.12
 100.00 19 37 58 5241.48 29.89 235.84 57.18 89.34 21 5 19 4641.5 29.47 227.05
 110.00 12 54 40 1349.74 -10.24 341.74 45.73 122.79 13 17 10 749.7 -5.85 335.41
 110.00 21 8 57 4956.83 33.97 214.02 56.99 85.95 22 31 33 4356.8 33.04 204.90

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.2629 TRA 4.8085 TC3-2.0803 BAU .8143 SGT 6755.5 SGR 460.7 SG3 343.6 ST 3813.0 SR 244.0 SS 1529.2
 ROE .2029 RRA .3453 RC3 -.1258 FAU .01978 RRT .5196 RRF .4842 RTF .9839 CRT -.6001 CRS .6035 CST -.9999
 FDE-2.0255 FRA 2.9541 FC3 -.5859 BSP 21933 SGB 6771.2 R23 -.0337 R13 .9839 LSA 4110.8 MSA 195.0 SSA 13.5
 BOE 3.2692 BRA 4.8208 BC3 2.0841 FSP -1193 SGI 6759.8 SG2 393.4 THA 2.04 EL1 3815.8 EL2 195.0 ALF 177.80

LAUNCH DATE MAY 7 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 607.234

RL 150.95 LAL -.00 LOL 225.76 VL 26.827 GAL 10.44 AZL 93.19 MCA 278.95 SMA 127.77 ECC .25431 INC 3.1939 V1 29.517
 RP 107.50 LAP 3.16 LOP 144.72 VP 37.822 GAP 11.61 A7P 90.50 TAL 144.99 TAP 63.94 RCA 95.28 APO 160.26 V2 35.253
 RC 140.023 GL -15.06 GP -8.29 ZAL 38.18 ZAP 164.42 ETS 328.99 ZAE 121.17 ETE 185.84 ZAC 108.80 ETC 12.78 CLP-166.76

PLANETOCENTRIC CONIC

C3 31.991 VHL 5.656 DLA -17.87 RAL 183.27 RAD 6568.3 VEL 12.384 PTH 2.24 VHP 7.845 DPA 3.97 RAP 157.87 ECC 1.5265
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 3 49 1737.93 -5.88 13.21 51.04 117.75 11 32 47 1137.9 -2.12 6.55
 90.00 18 8 40 5566.02 28.27 259.70 60.02 91.66 19 41 26 4966.0 28.20 251.03
 100.00 12 14 39 1509.39 -7.30 355.64 50.26 119.07 12 39 48 909.4 -3.37 349.06
 100.00 19 40 32 5269.79 29.89 237.94 60.05 90.44 21 8 22 4669.8 29.63 229.14
 110.00 12 59 52 1367.74 -10.90 342.72 48.08 122.60 13 22 39 767.7 -6.53 336.36
 110.00 21 11 49 4984.21 34.08 216.15 59.95 87.20 22 34 53 4384.2 33.32 206.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.4195 TRA 5.1118 TC3-1.8894 BAU .8093 SGT 6794.7 SGR 441.5 SG3 321.2 ST 3829.8 SR 257.7 SS 1488.2
 ROE .2318 RRA .3324 RC3 -.1067 FAU .01693 RRT .4567 RRF .4214 RTF .9838 CRT -.6483 CRS .6510 CST -.9999
 FDE-1.9635 FRA 2.9102 FC3 -.4582 BSP 22128 SGB 6809.1 R23 -.0330 R13 .9838 LSA 4112.1 MSA 196.0 SSA 13.3
 BOE 3.4273 BRA 5.1226 BC3 1.8924 FSP -1117 SGI 6797.7 SG2 392.6 THA 1.71 EL1 3833.4 EL2 196.0 ALF 177.50

LAUNCH DATE MAY 8 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 17 1967

Heliocentric Conic
 RL 150.98 LAL -.00 LOL 226.73 VL 16.386 GAL 21.93 AZL 90.92 MCA 39.67 SMA 89.10 ECC .74469 INC .9248 V1 29.510
 RP 108.73 LAP -.59 LOP 266.39 VP 30.849 GAP -46.83 AZP 90.71 TAL 171.83 TAP 211.50 RCA 22.75 APO 155.45 V2 34.853
 RC 74.673 GL -.91 GP 2.09 ZAL 68.25 ZAP 31.34 ETS 186.00 ZAE 141.46 ETE 173.15 ZAC 144.09 ETC 30.57 CLP 31.27

Distance 132.149

PLANETOCENTRIC CONIC
 C3 237.383 VHL 15.407 DLA 7.55 RAL 159.77 RAD 6571.4 VEL 18.939 PTH 3.07 VHP 26.536 DPA 24.90 RAP 120.55 ECC 4.9067
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 2 46 2994.47 -28.02 96.03 64.62 85.71 6 52 41 2394.5 -28.32 87.38
 90.00 19 54 20 5166.38 25.65 230.90 57.03 77.58 21 20 27 4566.4 23.68 222.79
 100.00 7 27 44 2720.42 -29.63 76.01 64.76 85.87 8 13 5 2120.4 -29.89 67.21
 100.00 21 12 3 4915.66 27.23 212.07 56.63 77.17 22 33 59 4315.7 25.19 203.87
 110.00 8 44 16 2480.94 -34.01 58.18 65.11 86.31 9 25 37 1880.9 -34.14 48.94
 110.00 22 12 1 4727.90 31.50 196.66 55.47 75.98 23 30 49 4127.9 29.25 188.17

Differential Corrections
 TOE .7362 TRA-1.8233 TC3 -.1069 BAU .3408
 ROE-1.0889 RRA -.5627 RC3 .0104 FAU .01271
 FDE -.3194 FRA .6542 FC3 -.0463 BSP 2187
 BDE 1.3144 BRA 1.9081 BC3 .1074 FSP -56

MID-COURSE EXECUTION ACCURACY
 SGT 807.0 SGR 457.8 SG3 26.6
 RRT .0620 RRF -.0589 RTF -.6173
 SGB 927.8 R23 -.0025 R13 -.6177
 SGI 807.7 SG2 456.5 THA 2.96

ORBIT DETERMINATION ACCURACY
 ST 342.3 SR 409.8 SS 320.5
 CRT -.6977 CRS -.7580 CST .9943
 LSA 579.2 MSA 228.4 SSA 13.9
 EL1 493.6 EL2 203.6 ALF 127.72

LAUNCH DATE MAY 8 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 19 1967

Heliocentric Conic
 RL 150.98 LAL -.00 LOL 226.73 VL 17.136 GAL 21.00 AZL 91.14 MCA 42.84 SMA 90.63 ECC .71759 INC 1.1390 V1 29.510
 RP 108.76 LAP -.77 LOP 269.56 VP 31.244 GAP -44.70 AZP 90.84 TAL 171.04 TAP 213.87 RCA 25.60 APO 155.67 V2 34.844
 RC 72.433 GL -1.24 GP 2.15 ZAL 67.03 ZAP 29.83 ETS 186.25 ZAE 141.81 ETE 172.41 ZAC 142.59 ETC 29.49 CLP 29.76

Distance 137.825

PLANETOCENTRIC CONIC
 C3 215.516 VHL 14.680 DLA 6.78 RAL 160.79 RAD 6571.2 VEL 18.353 PTH 3.03 VHP 25.513 DPA 24.68 RAP 122.36 ECC 4.5468
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 12 47 2956.21 -28.18 93.24 64.18 87.09 7 2 3 2356.2 -28.29 84.58
 90.00 19 52 30 5176.85 25.80 231.63 57.34 77.91 21 18 47 4576.9 23.88 223.49
 100.00 7 37 21 2683.41 -29.78 73.27 64.27 87.30 8 22 5 2083.4 -29.84 64.46
 100.00 21 10 37 4924.88 27.37 212.72 56.96 77.49 22 32 42 4324.9 25.37 204.49
 110.00 8 53 0 2446.69 -34.13 55.51 64.49 87.88 9 33 46 1846.7 -34.04 46.27
 110.00 22 11 28 4734.37 31.60 197.13 55.83 76.24 23 30 22 4134.4 29.39 188.62

Differential Corrections
 TOE .7372 TRA-1.8340 TC3 -.1141 BAU .3306
 ROE-1.0463 RRA -.5505 RC3 .0123 FAU .01282
 FDE -.3349 FRA .6778 FC3 -.0515 BSP 2240
 BDE 1.2799 BRA 1.9148 BC3 .1148 FSP -61

MID-COURSE EXECUTION ACCURACY
 SGT 845.3 SGR 463.6 SG3 28.8
 RRT .0672 RRF -.0630 RTF -.6357
 SGB 964.1 R23 -.0021 R13 -.6360
 SGI 846.2 SG2 462.1 THA 3.01

ORBIT DETERMINATION ACCURACY
 ST -360.1 SR 413.5 SS 337.9
 CRT -.6950 CRS -.7603 CST .9938
 LSA 599.6 MSA 234.7 SSA 14.2
 EL1 505.8 EL2 211.7 ALF 129.35

LAUNCH DATE MAY 8 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 21 1967

Heliocentric Conic
 RL 150.98 LAL -.00 LOL 226.73 VL 17.838 GAL 20.11 AZL 91.33 MCA 46.00 SMA 92.18 ECC .69076 INC 1.3287 V1 29.510
 RP 108.79 LAP -.96 LOP 272.73 VP 31.625 GAP -42.68 AZP 90.92 TAL 170.26 TAP 216.26 RCA 28.50 APO 155.85 V2 34.835
 RC 70.227 GL -1.59 GP 2.21 ZAL 65.86 ZAP 28.34 ETS 186.53 ZAE 142.24 ETE 171.60 ZAC 141.07 ETC 28.47 CLP 28.26

Distance 143.603

PLANETOCENTRIC CONIC
 C3 195.758 VHL 13.991 DLA 6.01 RAL 161.75 RAD 6571.1 VEL 17.807 PTH 2.99 VHP 24.528 DPA 24.45 RAP 124.19 ECC 4.2217
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 22 29 2917.30 -28.28 90.40 63.61 88.52 7 11 7 2317.3 -28.19 81.74
 90.00 19 50 28 5186.47 25.94 232.31 57.55 78.22 21 16 55 4586.5 24.05 224.14
 100.00 7 46 41 2645.74 -29.87 70.47 63.65 88.77 8 30 47 2045.7 -29.72 61.67
 100.00 21 8 58 4933.27 27.49 213.32 57.18 77.78 22 31 11 4333.3 25.53 203.06
 110.00 9 1 27 2411.73 -34.18 52.78 63.73 89.49 9 41 39 1811.7 -33.87 43.55
 110.00 22 10 41 4740.04 31.70 197.55 56.07 76.47 23 29 41 4140.0 29.51 189.02

Differential Corrections
 TOE .7407 TRA-1.8419 TC3 -.1208 BAU .3185
 ROE-1.0041 RRA -.5374 RC3 .0145 FAU .01297
 FDE -.3511 FRA .7014 FC3 -.0574 BSP 2364
 BDE 1.2477 BRA 1.9186 BC3 .1217 FSP -67

MID-COURSE EXECUTION ACCURACY
 SGT 884.1 SGR 468.7 SG3 31.1
 RRT .0710 RRF -.0668 RTF -.6341
 SGB 1000.6 R23 -.0023 R13 -.6545
 SGI 884.9 SG2 467.1 THA 2.99

ORBIT DETERMINATION ACCURACY
 ST 379.3 SR 416.5 SS 355.9
 CRT -.6939 CRS -.7629 CST .9933
 LSA 621.4 MSA 240.2 SSA 14.4
 EL1 518.9 EL2 219.2 ALF 131.15

LAUNCH DATE MAY 8 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 23 1967

Heliocentric Conic
 RL 150.98 LAL -.00 LOL 226.73 VL 18.495 GAL 19.26 AZL 91.50 MCA 49.17 SMA 93.73 ECC .66435 INC 1.4992 V1 29.510
 RP 108.81 LAP -1.13 LOP 275.89 VP 31.992 GAP -40.77 AZP 90.98 TAL 169.49 TAP 218.66 RCA 31.46 APO 156.00 V2 34.827
 RC 68.060 GL -1.96 GP 2.28 ZAL 64.74 ZAP 26.88 ETS 186.86 ZAE 142.77 ETE 170.71 ZAC 139.51 ETC 27.53 CLP 26.79

Distance 149.476

PLANETOCENTRIC CONIC
 C3 177.887 VHL 13.337 DLA 5.24 RAL 162.65 RAD 6570.9 VEL 17.298 PTH 2.95 VHP 23.577 DPA 24.19 RAP 126.03 ECC 3.9276
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 31 55 2877.69 -28.32 87.50 62.91 89.97 7 19 53 2277.7 -28.02 78.85
 90.00 19 48 13 5195.28 26.06 232.92 57.63 78.51 21 14 48 4595.3 24.21 224.74
 100.00 7 55 44 2607.34 -29.89 67.62 62.91 90.28 8 39 11 2007.3 -29.53 58.83
 100.00 21 7 5 4940.86 27.60 213.86 57.28 78.04 22 29 26 4340.9 25.67 205.58
 110.00 9 9 39 2376.02 -34.17 49.99 62.85 91.15 9 49 15 1776.0 -33.63 40.79
 110.00 22 9 39 4744.95 31.77 197.91 56.20 76.67 23 28 44 4144.9 29.61 189.37

Differential Corrections
 TOE .7436 TRA-1.8497 TC3 -.1276 BAU .3062
 ROE -.9623 RRA -.5236 RC3 .0169 FAU .01313
 FDE -.3677 FRA .7253 FC3 -.0639 BSP 2484
 BDE 1.2161 BRA 1.9224 BC3 .1287 FSP -73

MID-COURSE EXECUTION ACCURACY
 SGT 924.5 SGR 473.2 SG3 33.7
 RRT .0751 RRF -.0707 RTF -.6719
 SGB 1038.6 R23 -.0026 R13 -.6722
 SGI 925.4 SG2 471.4 THA 2.97

ORBIT DETERMINATION ACCURACY
 ST 399.3 SR 418.9 SS 374.5
 CRT -.6925 CRS -.7653 CST .9929
 LSA 644.0 MSA 245.4 SSA 14.6
 EL1 532.5 EL2 226.6 ALF 133.02

LAUNCH DATE MAY 8 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 25 1967

HELIOCENTRIC CONIC

DISTANCE 155.439

RL 150.98 LAL -.00 LOL 226.73 VL 19.111 GAL 18.45 AZL 91.65 MCA 52.34 SMA 95.29 ECC .63843 INC 1.6542 V1 29.510
 RP 108.83 LAP -1.31 LOP 279.06 VP 32.344 GAP -38.96 A7P 91.01 TAL 168.73 TAP 221.07 RCA 34.45 APO 156.12 V2 34.820
 RC 65.936 GL -2.36 GP 2.35 ZAL 63.69 ZAP 25.43 ETS 187.24 ZAE 143.39 ETE 169.73 ZAC 137.93 ETC 26.64 CLP 25.33

PLANETOCENTRIC CONIC

C3 161.706 VML 12.716 DLA 4.47 RAL 163.49 RAD 6570.8 VEL 16.824 PTH 2.91 VMP 22.660 DPA 23.92 RAP 127.88 ECC 3.6613
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 41 5 2837.34 -28.28 84.55 62.09 91.45 7 28 22 2237.3 -27.78 75.92
 90.00 19 45 44 5203.31 26.17 233.48 57.61 78.77 21 12 27 4603.3 24.35 225.28
 100.00 8 4 31 2568.20 -29.84 64.71 62.04 91.81 8 47 20 1968.2 -29.27 55.95
 100.00 21 4 58 4947.68 27.70 214.34 57.26 78.28 22 27 26 4347.7 25.80 206.05
 110.00 9 17 35 2339.54 -34.08 47.15 61.84 92.83 9 56 35 1739.5 -33.31 37.99
 110.00 22 8 24 4749.11 31.84 198.22 56.21 76.84 23 27 33 4149.1 29.70 189.66

DIFFERENTIAL CORRECTIONS

TDE .7487 TRA-1.8546 TC3 -.1337 BAU .2921
 RDE -.9208 RRA -.5091 RC3 .0197 FAU .01333
 FDE -.3852 FRA .7492 FC3 -.0714 BSP 2669
 BDE 1.1867 BRA 1.9232 BC3 .1351 FSP -81

MID-COURSE EXECUTION ACCURACY

SGT 965.4 SGR 477.0 SG3 36.4
 RRT .0780 RRF -.0745 RTF -.6896
 SGB 1076.8 R23 -.0036 R13 -.6899
 SG1 966.3 SG2 475.1 TMA 2.91

ORBIT DETERMINATION ACCURACY

ST 420.9 SR 420.6 SS 393.9
 CRT -.6927 CRS -.7680 CST .9925
 LSA 668.2 MSA 249.7 SSA 14.8
 EL1 547.4 EL2 233.2 ALF 135.03

LAUNCH DATE MAY 8 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 27 1967

HELIOCENTRIC CONIC

DISTANCE 161.485

RL 150.98 LAL -.00 LOL 226.73 VL 19.687 GAL 17.67 AZL 91.80 MCA 55.50 SMA 96.84 ECC .61310 INC 1.7963 V1 29.510
 RP 108.85 LAP -1.48 LOP 282.22 VP 32.681 GAP -37.24 A7P 91.02 TAL 168.00 TAP 223.50 RCA 37.47 APO 156.22 V2 34.813
 RC 63.861 GL -2.78 GP 2.44 ZAL 62.69 ZAP 24.01 ETS 187.68 ZAE 144.11 ETE 168.64 ZAC 136.32 ETC 25.82 CLP 23.89

PLANETOCENTRIC CONIC

C3 147.047 VML 12.126 DLA 3.70 RAL 164.26 RAD 6570.6 VEL 16.382 PTH 2.86 VMP 21.773 DPA 23.64 RAP 129.74 ECC 3.4200
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 49 59 2796.23 -28.18 81.55 61.15 92.95 7 36 35 2196.2 -27.47 72.95
 90.00 19 43 0 5210.61 26.26 234.00 57.47 79.01 21 9 50 4610.6 24.48 225.78
 100.00 8 13 3 2528.28 -29.72 61.75 61.05 93.36 8 55 12 1928.3 -28.94 53.03
 100.00 21 2 36 4953.80 27.78 214.77 57.13 78.49 22 25 10 4353.8 25.91 206.47
 110.00 9 25 16 2302.26 -33.92 44.25 60.71 94.54 10 3 38 1702.3 -32.92 35.15
 110.00 22 6 53 4752.58 31.89 198.47 56.10 76.99 23 26 5 4152.6 29.77 189.90

DIFFERENTIAL CORRECTIONS

TDE .7508 TRA-1.8617 TC3 -.1402 BAU .2792
 RDE -.8798 RRA -.4942 RC3 .0228 FAU .01354
 FDE -.4029 FRA .7739 FC3 -.0797 BSP 2792
 BDE 1.1566 BRA 1.9262 BC3 .1420 FSP -88

MID-COURSE EXECUTION ACCURACY

SGT 1009.2 SGR 480.2 SG3 39.4
 RRT .0826 RRF -.0789 RTF -.7059
 SGB 1117.6 R23 -.0038 R13 -.7062
 SG1 1010.2 SG2 478.1 TMA 2.90

ORBIT DETERMINATION ACCURACY

ST 442.6 SR 421.6 SS 413.7
 CRT -.6909 CRS -.7703 CST .9920
 LSA 692.8 MSA 254.1 SSA 15.0
 EL1 562.2 EL2 239.9 ALF 137.01

LAUNCH DATE MAY 8 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 29 1967

HELIOCENTRIC CONIC

DISTANCE 167.610

RL 150.98 LAL -.00 LOL 226.73 VL 20.227 GAL 16.92 AZL 91.93 MCA 58.67 SMA 98.39 ECC .58840 INC 1.9280 V1 29.510
 RP 108.87 LAP -1.65 LOP 285.38 VP 33.002 GAP -35.59 A7P 91.00 TAL 167.28 TAP 225.94 RCA 40.50 APO 156.28 V2 34.807
 RC 61.839 GL -3.23 GP 2.52 ZAL 61.75 ZAP 22.60 ETS 188.20 ZAE 144.94 ETE 167.44 ZAC 134.68 ETC 25.05 CLP 22.47

PLANETOCENTRIC CONIC

C3 133.757 VML 11.565 DLA 2.92 RAL 164.97 RAD 6570.4 VEL 15.972 PTH 2.82 VMP 20.917 DPA 23.33 RAP 131.61 ECC 3.2013
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 58 38 2754.31 -27.99 78.50 60.09 94.47 7 44 32 2154.3 -27.08 69.95
 90.00 19 40 0 5217.25 26.35 234.47 57.21 79.23 21 6 57 4617.3 24.60 226.24
 100.00 8 21 21 2487.54 -29.52 58.73 59.95 94.93 9 2 48 1887.5 -28.52 50.07
 100.00 20 59 59 4959.25 27.85 215.16 56.88 78.69 22 22 38 4359.3 26.01 206.85
 110.00 9 32 43 2264.16 -33.67 41.30 59.47 96.26 10 10 27 1664.2 -32.44 32.28
 110.00 22 5 6 4755.39 31.93 198.68 55.87 77.10 23 24 21 4155.4 29.83 190.10

DIFFERENTIAL CORRECTIONS

TDE .7550 TRA-1.8654 TC3 -.1457 BAU .2648
 RDE -.8393 RRA -.4789 RC3 .0263 FAU .01378
 FDE -.4216 FRA .7987 FC3 -.0892 BSP 2979
 BDE 1.1289 BRA 1.9259 BC3 .1481 FSP -97

MID-COURSE EXECUTION ACCURACY

SGT 1053.5 SGR 482.7 SG3 42.6
 RRT .0861 RRF -.0833 RTF -.7223
 SGB 1158.8 R23 -.0048 R13 -.7226
 SG1 1054.5 SG2 480.4 TMA 2.85

ORBIT DETERMINATION ACCURACY

ST 465.9 SR 421.9 SS 434.4
 CRT -.6907 CRS -.7727 CST .9916
 LSA 719.2 MSA 257.5 SSA 15.2
 EL1 578.5 EL2 245.7 ALF 139.10

LAUNCH DATE MAY 8 1967

FLIGHT TIME 84.00

ARRIVAL DATE JUL 31 1967

HELIOCENTRIC CONIC

DISTANCE 173.808

RL 150.98 LAL -.00 LOL 226.73 VL 20.733 GAL 16.19 AZL 92.05 MCA 61.83 SMA 99.93 ECC .56442 INC 2.0511 V1 29.510
 RP 108.89 LAP -1.81 LOP 288.55 VP 33.309 GAP -34.02 A7P 90.97 TAL 166.58 TAP 228.41 RCA 43.53 APO 156.33 V2 34.802
 RC 59.876 GL -3.70 GP 2.62 ZAL 60.86 ZAP 21.21 ETS 188.81 ZAE 145.87 ETE 166.09 ZAC 133.03 ETC 24.32 CLP 21.05

PLANETOCENTRIC CONIC

C3 121.705 VML 11.032 DLA 2.13 RAL 165.62 RAD 6570.3 VEL 15.590 PTH 2.78 VMP 20.088 DPA 23.01 RAP 133.48 ECC 3.0030
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 7 3 2711.55 -27.73 75.40 58.92 96.00 7 52 15 2111.6 -26.60 66.91
 90.00 19 36 43 5223.32 26.42 234.89 56.84 79.43 21 3 47 4623.3 24.70 226.65
 100.00 8 29 24 2445.97 -29.24 55.68 58.73 96.52 9 10 9 1846.0 -28.03 47.08
 100.00 20 57 4 4964.13 27.92 215.51 56.52 78.86 22 19 49 4364.1 26.10 207.18
 110.00 9 39 55 2225.24 -33.34 38.31 58.12 98.01 10 17 0 1625.2 -31.88 29.39
 110.00 22 3 2 4757.63 31.97 198.85 55.53 77.20 23 22 20 4157.6 29.88 190.26

DIFFERENTIAL CORRECTIONS

TDE .7566 TRA-1.8708 TC3 -.1516 BAU .2515
 RDE -.7993 RRA -.4632 RC3 .0303 FAU .01403
 FDE -.4407 FRA .8242 FC3 -.0998 BSP 3107
 BDE 1.1006 BRA 1.9273 BC3 .1546 FSP -106

MID-COURSE EXECUTION ACCURACY

SGT 1100.7 SGR 484.5 SG3 46.1
 RRT .0912 RRF -.0883 RTF -.7373
 SGB 1202.6 R23 -.0051 R13 -.7375
 SG1 1101.8 SG2 482.0 TMA 2.84

ORBIT DETERMINATION ACCURACY

ST 489.5 SR 421.4 SS 455.8
 CRT -.6888 CRS -.7748 CST .9909
 LSA 746.1 MSA 260.8 SSA 15.4
 EL1 595.0 EL2 251.3 ALF 141.16

LAUNCH DATE MAY 8 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 2 1967

HELIOCENTRIC CONIC

DISTANCE 180.072

RL 150.98 LAL -.00 LOL 226.73 VL 21.207 GAL 15.50 AZL 92.17 MCA 64.99 SMA 101.44 ECC .54116 INC 2.1670 V1 29.510
 RP 108.90 LAP -1.96 LOP 291.71 VP 33.602 GAP -32.52 AZP 90.92 TAL 165.91 TAP 230.90 RCA 46.55 APO 156.34 V2 34.797
 RC 57.979 GL -4.21 GP 2.72 ZAL 60.04 ZAP 19.83 ETS 189.53 ZAE 146.90 ETE 164.56 ZAC 131.36 ETC 23.65 CLP 19.65

PLANETOCENTRIC CONIC

C3 110.773 VML 10.525 OLA 1.34 RAL 166.20 RAD 6570.1 VEL 15.235 PTH 2.73 VMP 19.287 OPA 22.68 RAP 135.36 ECC 2.8230
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 15 15 2667.94 -27.38 72.25 57.65 97.54 7 59 43 2067.9 -26.05 63.84
 90.00 19 33 9 5228.89 26.49 235.29 56.36 79.62 21 0 18 4628.9 24.79 227.03
 100.00 8 37 13 2403.55 -28.87 52.58 57.42 98.11 9 17 17 1803.6 -27.45 44.06
 100.00 20 53 52 4968.51 27.98 215.82 56.05 79.01 22 16 41 4368.5 26.17 207.49
 110.00 9 46 54 2185.47 -32.93 35.28 56.67 99.75 10 23 19 1585.5 -31.23 26.47
 110.00 22 0 41 4759.36 31.99 198.98 55.07 77.27 23 20 1 4159.4 29.91 190.38

DIFFERENTIAL CORRECTIONS

TDE .7604 TRA-1.8725 TC3 -.1560 BAU .2367
 RDE -.7599 RRA -.4473 RC3 .0347 FAU .01433
 FDE -.4611 FRA .8501 FC3 -.1120 BSP 3301
 BDE 1.0750 BRA 1.9252 BC3 .1598 FSP -117

MID-COURSE EXECUTION ACCURACY

SGT 1148.4 SGR 485.6 SG3 49.8
 RRT .0952 RRF -.0933 RTF -.7523
 SGB 1246.8 R23 -.0063 R13 -.7526
 SGI 1149.5 SG2 482.9 TMA 2.80

ORBIT DETERMINATION ACCURACY

ST 514.8 SR 420.1 SS 478.2
 CRT -.6886 CRS -.7771 CST .9905
 LSA 775.1 MSA 263.0 SSA 15.5
 EL1 613.3 EL2 255.7 ALF 143.28

LAUNCH DATE MAY 8 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 4 1967

HELIOCENTRIC CONIC

DISTANCE 186.399

RL 150.98 LAL -.00 LOL 226.73 VL 21.651 GAL 14.83 AZL 92.28 MCA 68.15 SMA 102.94 ECC .51869 INC 2.2772 V1 29.510
 RP 108.92 LAP -2.11 LOP 294.87 VP 33.879 GAP -31.08 AZP 90.85 TAL 165.26 TAP 233.42 RCA 49.55 APO 156.34 V2 34.793
 RC 56.154 GL -4.75 GP 2.84 ZAL 59.29 ZAP 18.47 ETS 190.40 ZAE 148.04 ETE 162.84 ZAC 129.67 ETC 23.01 CLP 18.26

PLANETOCENTRIC CONIC

C3 100.856 VML 10.043 OLA .54 RAL 166.71 RAD 6570.0 VEL 14.906 PTH 2.69 VMP 18.512 OPA 22.34 RAP 137.24 ECC 2.6598
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 23 14 2623.46 -26.94 69.07 56.28 99.08 8 6 58 2023.5 -25.41 60.74
 90.00 19 29 16 5234.07 26.56 235.65 55.78 79.79 20 56 30 4634.1 24.88 227.39
 100.00 8 44 50 2360.27 -28.41 49.44 56.01 99.70 9 24 10 1760.3 -26.78 41.02
 100.00 20 50 21 4972.49 28.03 216.11 55.47 79.16 22 13 14 4372.5 26.24 207.76
 110.00 9 53 39 2144.86 -32.42 32.22 55.14 101.50 10 29 24 1544.9 -30.49 23.53
 110.00 21 58 1 4760.67 32.01 199.07 54.51 77.32 23 17 22 4160.7 29.94 190.48

DIFFERENTIAL CORRECTIONS

TDE .7639 TRA-1.8731 TC3 -.1597 BAU .2219
 RDE -.7210 RRA -.4312 RC3 .0397 FAU .01467
 FDE -.4825 FRA .8765 FC3 -.1259 BSP 3494
 BDE 1.0504 BRA 1.9221 BC3 .1646 FSP -128

MID-COURSE EXECUTION ACCURACY

SGT 1197.9 SGR 485.9 SG3 53.9
 RRT .0998 RRF -.0987 RTF -.7666
 SGB 1292.7 R23 -.0074 R13 -.7669
 SGI 1199.0 SG2 483.0 TMA 2.77

ORBIT DETERMINATION ACCURACY

ST 541.1 SR 417.9 SS 501.6
 CRT -.6882 CRS -.7794 CST .9900
 LSA 805.5 MSA 264.7 SSA 15.7
 EL1 632.6 EL2 259.4 ALF 145.39

LAUNCH DATE MAY 8 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 6 1967

HELIOCENTRIC CONIC

DISTANCE 192.783

RL 150.98 LAL -.00 LOL 226.73 VL 22.067 GAL 14.18 AZL 92.38 MCA 71.31 SMA 104.41 ECC .49700 INC 2.3825 V1 29.510
 RP 108.93 LAP -2.26 LOP 298.03 VP 34.143 GAP -29.71 AZP 90.76 TAL 164.65 TAP 235.96 RCA 52.52 APO 156.31 V2 34.790
 RC 54.407 GL -5.32 GP 2.96 ZAL 58.59 ZAP 17.12 ETS 191.44 ZAE 149.28 ETE 160.87 ZAC 127.97 ETC 22.42 CLP 16.87

PLANETOCENTRIC CONIC

C3 91.861 VML 9.584 OLA -.27 RAL 167.16 RAD 6569.8 VEL 14.602 PTH 2.65 VMP 17.762 OPA 21.98 RAP 139.13 ECC 2.5118
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 31 2 2578.09 -26.41 65.86 54.83 100.61 8 14 0 1978.1 -24.68 57.61
 90.00 19 25 2 5238.99 26.62 236.00 55.08 79.96 20 52 21 4639.0 24.96 227.72
 100.00 8 52 15 2316.11 -27.87 46.27 54.52 101.28 9 30 51 1716.1 -26.03 37.96
 100.00 20 46 30 4976.20 28.07 216.38 54.78 79.29 22 9 26 4376.2 26.31 208.02
 110.00 10 0 12 2103.40 -31.81 29.14 53.53 103.23 10 35 16 1503.4 -29.67 20.59
 110.00 21 55 2 4761.67 32.03 199.15 53.84 77.36 23 14 24 4161.7 29.96 190.55

DIFFERENTIAL CORRECTIONS

TDE .7674 TRA-1.8721 TC3 -.1623 BAU .2069
 RDE -.6828 RRA -.4151 RC3 .0452 FAU .01503
 FDE -.5051 FRA .9036 FC3 -.1417 BSP 3693
 BDE 1.0272 BRA 1.9176 BC3 .1685 FSP -141

MID-COURSE EXECUTION ACCURACY

SGT 1248.9 SGR 485.5 SG3 58.4
 RRT .1047 RRF -.1047 RTF -.7802
 SGB 1340.0 R23 -.0087 R13 -.7805
 SGI 1250.1 SG2 482.4 TMA 2.74

ORBIT DETERMINATION ACCURACY

ST 568.6 SR 414.9 SS 526.1
 CRT -.6882 CRS -.7794 CST .9900
 LSA 837.4 MSA 265.8 SSA 15.8
 EL1 653.2 EL2 262.1 ALF 147.48

LAUNCH DATE MAY 8 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 8 1967

HELIOCENTRIC CONIC

DISTANCE 199.220

RL 150.98 LAL -.00 LOL 226.73 VL 22.456 GAL 13.56 AZL 92.48 MCA 74.47 SMA 105.86 ECC .47614 INC 2.4839 V1 29.510
 RP 108.93 LAP -2.39 LOP 301.19 VP 34.394 GAP -28.39 AZP 90.67 TAL 164.06 TAP 238.53 RCA 55.46 APO 156.26 V2 34.787
 RC 52.748 GL -5.94 GP 3.10 ZAL 57.96 ZAP 15.79 ETS 192.72 ZAE 150.61 ETE 158.61 ZAC 126.26 ETC 21.86 CLP 15.49

PLANETOCENTRIC CONIC

C3 83.705 VML 9.149 OLA -1.10 RAL 167.54 RAD 6569.6 VEL 14.320 PTH 2.60 VMP 17.036 OPA 21.62 RAP 141.01 ECC 2.3776
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 38 39 2531.83 -25.79 62.61 53.30 102.12 8 20 50 1931.8 -23.86 54.47
 90.00 19 20 26 5243.78 26.67 236.34 54.29 80.12 20 47 50 4643.8 25.04 228.05
 100.00 8 59 29 2271.09 -27.22 43.08 52.95 102.85 9 37 20 1671.1 -25.18 34.88
 100.00 20 42 17 4979.76 28.12 216.63 54.00 79.41 22 5 17 4379.8 26.37 208.26
 110.00 10 6 33 2061.12 -31.11 26.04 51.85 104.93 10 40 54 1461.1 -28.75 17.64
 110.00 21 51 42 4762.49 32.04 199.21 53.07 77.40 23 11 5 4162.5 29.97 190.60

DIFFERENTIAL CORRECTIONS

TDE .7687 TRA-1.8719 TC3 -.1648 BAU .1932
 RDE -.6453 RRA -.3991 RC3 .0514 FAU .01543
 FDE -.5287 FRA .9318 FC3 -.1595 BSP 3845
 BDE 1.0036 BRA 1.9140 BC3 .1726 FSP -154

MID-COURSE EXECUTION ACCURACY

SGT 1302.9 SGR 484.4 SG3 63.2
 RRT .1113 RRF -.1116 RTF -.7926
 SGB 1390.0 R23 -.0095 R13 -.7929
 SGI 1304.1 SG2 480.9 TMA 2.74

ORBIT DETERMINATION ACCURACY

ST 596.3 SR 411.0 SS 551.5
 CRT -.6862 CRS -.7835 CST .9888
 LSA 870.2 MSA 266.6 SSA 16.0
 EL1 674.2 EL2 264.4 ALF 149.51

LAUNCH DATE MAY 8 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 10 1967

HELIOCENTRIC CONIC

DISTANCE 205.703

RL 150.98 LAL -1.00 LOL 226.73 VL 22.821 GAL 12.96 AZL 92.58 MCA 77.63 SMA 107.27 ECC .45609 INC 2.5822 V1 29.510
 RP 108.94 LAP -2.52 LOP 304.35 VP 34.631 GAP -27.12 A7P 90.55 TAL 163.50 TAP 241.14 RCA 58.35 APO 156.20 V2 34.786
 RC 51.183 GL -6.59 GP 3.25 ZAL 57.39 ZAP 14.47 ETS 194.29 ZAE 152.03 ETE 155.98 ZAC 124.53 ETC 21.34 CLP 14.11

PLANETOCENTRIC CONIC

C3 76.312 VML 8.736 DLA -1.93 RAL 167.84 RAD 6569.5 VEL 14.059 PTH 2.56 VMP 16.334 DPA 21.25 RAP 142.88 ECC 2.2559
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 46 5 2484.69 -25.07 59.34 51.70 103.61 8 27 30 1884.7 -22.96 51.31
 90.00 19 15 27 5248.59 26.73 236.68 53.40 80.28 20 42 56 4648.6 25.11 228.39
 100.00 9 6 32 2225.20 -26.49 39.87 51.31 104.38 9 43 37 1625.2 -24.25 31.78
 100.00 20 37 42 4983.31 28.16 216.88 53.12 79.54 22 0 45 4383.3 26.43 208.51
 110.00 10 12 43 2018.03 -30.31 22.94 50.11 106.61 10 46 21 1418.0 -27.74 14.69
 110.00 21 48 0 4763.24 32.05 199.26 52.20 77.43 23 7 23 4163.2 29.99 190.66

DIFFERENTIAL CORRECTIONS

TOE .7721 TRA-1.8680 TC3 -.1649 BAW .1784
 RDE -.6083 RRA -.3832 RC3 .0583 FAU .01587
 FDE -.5542 FRA .9605 FC3 -.1801 BSP .0409
 BOE .9830 BRA 1.9069 BC3 .1749 FSP -168

MID-COURSE EXECUTION ACCURACY

SGT 1357.3 SGR 482.5 SG3 68.5
 RRT .1175 RRF -.1190 RTF -.8050
 SGB 1440.5 R23 -.0111 R13 -.8053
 SG1 1358.6 SG2 478.7 THA 2.73

ORBIT DETERMINATION ACCURACY

ST 625.9 SR 406.1 SS 578.4
 CRT -.6859 CRS -.7855 CST .9883
 LSA 905.6 MSA 266.3 SSA 16.1
 EL1 697.4 EL2 265.2 ALF 151.53

LAUNCH DATE MAY 8 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 212.229

RL 150.98 LAL -1.00 LOL 226.73 VL 23.162 GAL 12.38 AZL 92.68 MCA 80.79 SMA 108.65 ECC .43687 INC 2.6782 V1 29.510
 RP 108.94 LAP -2.64 LOP 307.52 VP 34.856 GAP -25.90 A7P 90.43 TAL 162.98 TAP 243.78 RCA 61.18 APO 156.11 V2 34.784
 RC 49.723 GL -7.28 GP 3.41 ZAL 56.90 ZAP 13.18 ETS 196.24 ZAE 153.53 ETE 152.91 ZAC 122.80 ETC 20.85 CLP 12.74

PLANETOCENTRIC CONIC

C3 69.614 VML 8.343 DLA -2.79 RAL 168.08 RAD 6569.3 VEL 13.819 PTH 2.52 VMP 15.654 DPA 20.88 RAP 144.76 ECC 2.1457
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 53 23 2436.65 -24.26 56.06 50.05 105.06 8 34 0 1836.6 -21.96 48.14
 90.00 19 10 3 5253.58 26.78 237.04 52.42 80.45 20 37 36 4653.6 25.19 228.73
 100.00 9 13 26 2178.45 -25.66 36.64 49.62 105.89 9 49 44 1578.4 -23.23 28.69
 100.00 20 32 41 4987.02 28.21 217.15 52.14 79.67 21 55 48 4387.0 26.49 208.77
 110.00 10 18 41 1974.15 -29.42 19.84 48.32 108.25 10 51 35 1374.1 -26.64 11.75
 110.00 21 43 55 4764.08 32.06 199.33 51.24 77.46 23 3 19 4164.1 30.01 190.72

DIFFERENTIAL CORRECTIONS

TOE .7756 TRA-1.8624 TC3 -.1634 BAW .1639
 RDE -.5721 RRA -.3676 RC3 .0659 FAU .01637
 FDE -.5816 FRA .9903 FC3 -.2035 BSP .4255
 BOE .9637 BRA 1.8983 BC3 .1761 FSP -185

MID-COURSE EXECUTION ACCURACY

SGT 1413.3 SGR 479.9 SG3 74.2
 RRT .1244 RRF -.1273 RTF -.8167
 SGB 1492.6 R23 -.0128 R13 -.8170
 SG1 1414.8 SG2 475.7 THA 2.73

ORBIT DETERMINATION ACCURACY

ST 656.7 SR 400.1 SS 606.8
 CRT -.6855 CRS -.7875 CST .9878
 LSA 942.9 MSA 265.3 SSA 16.2
 EL1 721.9 EL2 265.0 ALF 153.48

LAUNCH DATE MAY 8 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 218.792

RL 150.98 LAL -1.00 LOL 226.73 VL 23.481 GAL 11.83 AZL 92.77 MCA 83.95 SMA 109.99 ECC .41848 INC 2.7725 V1 29.510
 RP 108.94 LAP -2.76 LOP 310.68 VP 35.068 GAP -24.73 A7P 90.29 TAL 162.49 TAP 246.45 RCA 63.96 APO 156.02 V2 34.784
 RC 48.377 GL -8.02 GP 3.59 ZAL 56.47 ZAP 11.90 ETS 198.72 ZAE 155.07 ETE 149.28 ZAC 121.06 ETC 20.38 CLP 11.35

PLANETOCENTRIC CONIC

C3 63.550 VML 7.972 DLA -3.66 RAL 168.24 RAD 6569.2 VEL 13.598 PTH 2.49 VMP 14.996 DPA 20.50 RAP 146.62 ECC 2.0459
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 0 33 2387.73 -23.36 52.76 48.34 106.48 8 40 21 1787.7 -20.88 44.96
 90.00 19 4 11 5258.95 26.84 237.42 51.36 80.63 20 31 50 4658.9 25.28 229.10
 100.00 9 20 11 2130.85 -24.73 33.41 47.88 107.35 9 55 42 1530.9 -22.12 25.58
 100.00 20 27 15 4991.06 28.26 217.44 51.08 79.82 21 50 26 4391.1 26.56 209.05
 110.00 10 24 30 1929.50 -28.43 16.74 46.49 109.84 10 56 39 1329.5 -25.46 8.82
 110.00 21 39 25 4765.17 32.08 199.41 50.20 77.51 22 58 50 4165.2 30.03 190.79

DIFFERENTIAL CORRECTIONS

TOE .7795 TRA-1.8547 TC3 -.1595 BAW .1495
 RDE -.5365 RRA -.3522 RC3 .0742 FAU .01692
 FDE -.6111 FRA 1.0210 FC3 -.2305 BSP .4472
 BOE .9463 BRA 1.8878 BC3 .1760 FSP -203

MID-COURSE EXECUTION ACCURACY

SGT 1470.6 SGR 476.5 SG3 80.5
 RRT .1323 RRF -.1366 RTF -.8279
 SGB 1545.9 R23 -.0147 R13 -.8282
 SG1 1472.2 SG2 471.9 THA 2.74

ORBIT DETERMINATION ACCURACY

ST 698.9 SR 393.1 SS 636.9
 CRT -.6854 CRS -.7894 CST .9874
 LSA 982.3 MSA 263.6 SSA 16.3
 EL1 748.0 EL2 263.6 ALF 155.38

LAUNCH DATE MAY 8 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 225.390

RL 150.98 LAL -1.00 LOL 226.73 VL 23.780 GAL 11.30 AZL 92.87 MCA 87.11 SMA 111.29 ECC .40091 INC 2.8657 V1 29.510
 RP 108.94 LAP -2.86 LOP 313.84 VP 35.269 GAP -23.61 A7P 90.14 TAL 162.04 TAP 249.16 RCA 66.67 APO 155.91 V2 34.784
 RC 47.155 GL -8.80 GP 3.79 ZAL 56.12 ZAP 10.66 ETS 201.90 ZAE 156.63 ETE 144.98 ZAC 119.32 ETC 19.95 CLP 9.97

PLANETOCENTRIC CONIC

C3 58.065 VML 7.620 DLA -4.55 RAL 168.33 RAD 6569.1 VEL 13.395 PTH 2.45 VMP 14.359 DPA 20.13 RAP 148.48 ECC 1.9556
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 7 36 2337.93 -22.36 49.45 46.59 107.84 8 46 34 1737.9 -19.71 41.78
 90.00 18 57 51 5264.89 26.91 237.84 50.22 80.83 20 25 36 4664.9 25.37 229.51
 100.00 9 26 48 2082.43 -23.71 30.18 46.11 108.76 10 1 31 1482.4 -20.93 22.48
 100.00 20 21 20 4995.62 28.31 217.77 49.95 79.98 21 44 36 4395.6 26.64 209.37
 110.00 10 30 9 1884.13 -27.34 13.66 44.64 111.37 11 1 33 1284.1 -24.19 5.91
 110.00 21 34 29 4766.69 32.10 199.52 49.08 77.57 22 53 55 4166.7 30.06 190.90

DIFFERENTIAL CORRECTIONS

TOE .7837 TRA-1.8452 TC3 -.1535 BAW .1357
 RDE -.5017 RRA -.3373 RC3 .0835 FAU .01752
 FDE -.6430 FRA 1.0529 FC3 -.2613 BSP .4688
 BOE .9306 BRA 1.8758 BC3 .1748 FSP -223

MID-COURSE EXECUTION ACCURACY

SGT 1529.4 SGR 472.5 SG3 87.4
 RRT .1413 RRF -.1473 RTF -.8385
 SGB 1600.7 R23 -.0168 R13 -.8388
 SG1 1531.0 SG2 467.2 THA 2.76

ORBIT DETERMINATION ACCURACY

ST 722.3 SR 384.9 SS 668.8
 CRT -.6851 CRS -.7910 CST .9870
 LSA 1024.0 MSA 261.2 SSA 16.4
 EL1 775.7 EL2 261.1 ALF 157.22

LAUNCH DATE MAY 8 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 232.016

RL 150.98 LAL -.00 LOL 226.73 VL 24.059 GAL 10.79 AZL 92.96 MCA 90.27 SMA 112.55 ECC .38416 INC 2.9584 V1 29.510
 RP 108.94 LAP -2.96 LOP 317.01 VP 35.459 GAP -22.52 AZP 89.99 TAL 161.63 TAP 231.90 RCA 69.31 APO 155.79 V2 34.785
 RC 46.068 GL -9.64 GP 4.00 ZAL 55.84 ZAP 9.46 ETS 206.06 ZAE 158.15 ETE 139.86 ZAC 117.58 ETC 19.54 CLP 8.58

PLANETOCENTRIC CONIC

C3 53.109 VHL 7.288 DLA -5.47 RAL 168.35 RAD 6568.9 VEL 13.209 PTH 2.41 VHP 13.743 OPA 19.76 RAP 150.34 ECC 1.8740
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 14 34 2287.27 -21.26 46.14 44.82 109.15 8 52 41 1687.3 -18.46 38.59
 90.00 18 51 0 5271.61 26.98 238.32 49.01 81.06 20 18 51 4671.6 25.47 229.98
 100.00 9 33 20 2033.20 -22.59 26.95 44.30 110.11 10 7 13 1433.2 -19.65 19.39
 100.00 20 14 55 5000.92 28.37 218.15 48.75 80.18 21 38 16 4400.9 26.72 209.74
 110.00 10 35 40 1838.05 -26.16 10.60 42.76 112.83 11 6 18 1238.1 -22.84 3.01
 110.00 21 29 5 4768.83 32.13 199.68 47.89 77.66 22 48 33 4168.8 30.10 191.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7884 TRA-1.8339 TC3 -.1447 BAU .1224
 RDE -.4675 RRA -.3230 RC3 .0936 FAU .01819
 FDE -.6776 FRA 1.0862 FC3 -.2965 BSP 4907
 BDE .9166 BRA 1.8621 BC3 .1724 FSP -245

SGT 1589.5 SGR 467.7 SG3 94.9
 RRT .1518 RRF -.1596 RTF -.8486
 SGB 1656.9 R23 -.0192 R13 -.8489
 SG1 1591.2 SG2 461.8 THA 2.79

ST 757.0 SR 375.4 SS 702.7
 CRT -.6847 CRS -.7924 CST .9865
 LSA 1068.1 MSA 258.2 SSA 16.5
 EL1 804.8 EL2 257.4 ALF 159.00

LAUNCH DATE MAY 8 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 238.668

RL 150.98 LAL -.00 LOL 226.73 VL 24.319 GAL 10.30 AZL 93.05 MCA 93.43 SMA 113.76 ECC .36821 INC 3.0512 V1 29.510
 RP 108.93 LAP -3.05 LOP 320.17 VP 35.638 GAP -21.47 AZP 89.82 TAL 161.25 TAP 254.69 RCA 71.88 APO 155.65 V2 34.787
 RC 45.125 GL -10.52 GP 4.25 ZAL 55.64 ZAP 8.33 ETS 211.58 ZAE 159.58 ETE 133.76 ZAC 115.84 ETC 19.16 CLP 7.18

PLANETOCENTRIC CONIC

C3 48.636 VHL 6.974 DLA -6.40 RAL 168.28 RAD 6568.8 VEL 13.038 PTH 2.38 VHP 13.148 OPA 19.41 RAP 152.18 ECC 1.8004
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 21 29 2235.74 -20.08 42.83 43.02 110.40 8 58 44 1635.7 -17.12 35.40
 90.00 18 43 35 5279.35 27.06 238.87 47.73 81.33 20 11 34 4679.3 25.59 230.51
 100.00 9 39 46 1983.16 -21.39 23.72 42.48 111.40 10 12 50 1383.2 -18.29 16.29
 100.00 20 7 58 5007.16 28.45 218.60 47.48 80.40 21 31 25 4407.2 26.83 210.17
 110.00 10 41 3 1791.32 -24.89 7.56 40.88 114.23 11 10 54 1191.3 -21.40 .14
 110.00 21 23 11 4771.77 32.18 199.90 46.65 77.78 22 42 43 4171.8 30.16 191.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7938 TRA-1.8204 TC3 -.1330 BAU .1101
 RDE -.4339 RRA -.3092 RC3 .1048 FAU .01893
 FDE -.7157 FRA 1.1209 FC3 -.3369 BSP 5128
 BDE .9046 BRA 1.8465 BC3 .1693 FSP -269

SGT 1650.7 SGR 462.4 SG3 103.1
 RRT .1640 RRF -.1739 RTF -.8580
 SGB 1714.2 R23 -.0219 R13 -.8584
 SG1 1652.6 SG2 455.6 THA 2.85

ST 793.2 SR 364.6 SS 739.0
 CRT -.6841 CRS -.7934 CST .9862
 LSA 1115.0 MSA 254.4 SSA 16.6
 EL1 835.7 EL2 252.4 ALF 160.71

LAUNCH DATE MAY 8 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 245.341

RL 150.98 LAL -.00 LOL 226.73 VL 24.562 GAL 9.83 AZL 93.14 MCA 96.59 SMA 114.94 ECC .35306 INC 3.1445 V1 29.510
 RP 108.93 LAP -3.12 LOP 323.34 VP 35.806 GAP -20.47 AZP 89.64 TAL 160.91 TAP 257.51 RCA 74.36 APO 155.51 V2 34.790
 RC 44.335 GL -11.47 GP 4.51 ZAL 55.51 ZAP 7.31 ETS 218.98 ZAE 160.82 ETE 126.58 ZAC 114.10 ETC 18.79 CLP 5.76

PLANETOCENTRIC CONIC

C3 44.604 VHL 6.679 DLA -7.37 RAL 168.14 RAD 6568.7 VEL 12.883 PTH 2.35 VHP 12.571 OPA 19.07 RAP 154.01 ECC 1.7341
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 28 21 2183.35 -18.80 39.51 41.21 111.57 9 4 44 1583.3 -15.70 32.20
 90.00 18 35 34 5288.35 27.15 239.51 46.40 81.64 20 3 42 4688.3 25.72 231.14
 100.00 9 46 10 1932.34 -20.09 20.50 40.66 112.61 10 18 22 1332.3 -16.85 13.20
 100.00 20 0 26 5014.59 28.53 219.14 46.16 80.67 21 24 1 4414.6 26.95 210.69
 110.00 10 46 20 1743.95 -23.53 4.55 39.00 115.54 11 15 24 1144.0 -19.90 357.29
 110.00 21 16 46 4775.74 32.23 200.19 45.35 77.95 22 36 21 4175.7 30.24 191.55

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8000 TRA-1.8049 TC3 -.1176 BAU .0989
 RDE -.4009 RRA -.2962 RC3 .1169 FAU .01975
 FDE -.7575 FRA 1.1572 FC3 -.3833 BSP 5359
 BDE .8949 BRA 1.8290 BC3 .1659 FSP -295

SGT 1712.7 SGR 456.4 SG3 112.2
 RRT .1784 RRF -.1906 RTF -.8671
 SGB 1772.5 R23 -.0249 R13 -.8675
 SG1 1714.8 SG2 448.6 THA 2.92

ST 831.0 SR 352.4 SS 777.7
 CRT -.6831 CRS -.7938 CST .9859
 LSA 1164.8 MSA 250.0 SSA 16.7
 EL1 868.4 EL2 246.3 ALF 162.38

LAUNCH DATE MAY 8 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 252.032

RL 150.98 LAL -.00 LOL 226.73 VL 24.789 GAL 9.38 AZL 93.24 MCA 99.76 SMA 116.06 ECC .33869 INC 3.2391 V1 29.510
 RP 108.92 LAP -3.19 LOP 326.50 VP 35.965 GAP -19.49 AZP 89.45 TAL 160.62 TAP 260.37 RCA 76.75 APO 155.37 V2 34.793
 RC 43.707 GL -12.47 GP 4.81 ZAL 55.47 ZAP 6.47 ETS 228.86 ZAE 161.79 ETE 118.31 ZAC 112.36 ETC 18.45 CLP 4.33

PLANETOCENTRIC CONIC

C3 40.977 VHL 6.401 DLA -8.37 RAL 167.92 RAD 6568.6 VEL 12.741 PTH 2.32 VHP 12.014 OPA 18.75 RAP 155.83 ECC 1.6744
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 35 14 2130.08 -17.43 36.20 39.40 112.67 9 10 44 1530.1 -14.21 29.01
 90.00 18 26 54 5298.87 27.25 240.27 45.03 82.00 19 55 13 4698.9 25.87 231.87
 100.00 9 52 31 1880.74 -18.71 17.29 38.83 113.75 10 23 52 1280.7 -15.34 10.12
 100.00 19 52 18 5023.44 28.62 219.78 44.80 81.00 21 16 1 4423.4 27.08 211.32
 110.00 10 51 31 1695.99 -22.09 1.57 37.12 116.77 11 19 47 1096.0 -18.32 354.47
 110.00 21 9 47 4780.95 32.31 200.58 44.01 78.17 22 29 28 4181.0 30.34 191.92

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8072 TRA-1.7874 TC3 -.0986 BAU .0895
 RDE -.3684 RRA -.2841 RC3 .1302 FAU .02064
 FDE -.8036 FRA 1.1955 FC3 -.4362 BSP 5587
 BDE .8873 BRA 1.8099 BC3 .1633 FSP -325

SGT 1775.7 SGR 450.1 SG3 122.2
 RRT .1955 RRF -.2104 RTF -.8756
 SGB 1831.8 R23 -.0285 R13 -.8760
 SG1 1778.0 SG2 440.8 THA 3.02

ST 870.3 SR 338.7 SS 819.2
 CRT -.6815 CRS -.7934 CST .9857
 LSA 1217.7 MSA 245.1 SSA 16.7
 EL1 902.8 EL2 238.9 ALF 164.00

LAUNCH DATE MAY 8 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 258.738

RL 150.98 LAL -0.00 LOL 226.73 VL 25.000 GAL 8.95 AZL 93.34 MCA 102.92 SMA 117.14 ECC .32508 INC 3.3355 V1 29.510
 RP 108.90 LAP -3.25 LOP 329.67 VP 36.115 GAP -18.55 AZP 89.25 TAL 160.36 TAP 263.27 RCA 79.06 APO 155.22 V2 34.797
 RC 43.245 GL -13.53 GP 5.15 ZAL 55.50 ZAP 5.89 ETS 241.54 ZAE 162.39 ETE 109.12 ZAC 110.63 ETC 18.13 CLP 2.88

PLANETOCENTRIC CONIC

C3 37.720 VML 6.142 DLA -9.39 RAL 167.61 RAD 6568.5 VEL 12.613 PTH 2.29 VMP 11.476 DPA 18.45 RAP 157.64 ECC 1.6208
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 42 9 2075.91 -15.98 32.89 37.60 113.69 9 16 45 1475.9 -12.64 25.80
 90.00 18 17 32 5311.19 27.37 241.15 43.62 82.43 19 46 3 4711.2 26.04 232.74
 100.00 9 58 53 1828.35 -17.24 14.09 37.00 114.81 10 29 22 1228.3 -13.75 7.04
 100.00 19 43 29 5033.99 28.73 220.54 43.40 81.39 21 7 23 4434.0 27.25 212.06
 110.00 10 56 39 1647.47 -20.57 358.62 35.26 117.92 11 24 7 1047.5 -16.68 351.67
 110.00 21 2 12 4787.63 32.40 201.08 42.64 78.45 22 22 0 4187.6 30.47 192.40

DIFFERENTIAL CORRECTIONS

TOE .0432 TRA-1.7680 TC3 -.0758 BAU .0823
 RDE -.3363 RRA -.2729 RC3 .1446 FAU .02164
 FDE -.8548 FRA 1.2357 FC3 -.4966 BSP 5806
 BDE .8819 BRA 1.7889 BC3 .1633 FSP -357

MID-COURSE EXECUTION ACCURACY

SGT 1839.0 SGR 443.4 SG3 133.1
 RRT .2160 RRF -.2337 RTF -.8835
 SGB 1891.7 R23 -.0324 R13 -.8840
 SG1 1841.6 SG2 432.3 TMA 3.16

ORBIT DETERMINATION ACCURACY

ST 911.0 SR 323.2 SS 863.9
 CRT -.6786 CRS -.7918 CST .9855
 LSA 1274.0 MSA 239.7 SSA 16.7
 EL1 938.8 EL2 230.4 ALF 165.57

LAUNCH DATE MAY 8 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 265.454

RL 150.98 LAL -0.00 LOL 226.73 VL 25.197 GAL 8.54 AZL 93.43 MCA 106.08 SMA 118.17 ECC .31222 INC 3.4344 V1 29.510
 RP 108.89 LAP -3.30 LOP 332.84 VP 36.256 GAP -17.65 AZP 89.05 TAL 160.14 TAP 266.22 RCA 81.27 APO 155.06 V2 34.801
 RC 42.956 GL -14.66 GP 5.52 ZAL 55.63 ZAP 5.69 ETS 256.42 ZAE 162.54 ETE 99.42 ZAC 108.92 ETC 17.82 CLP 1.40

PLANETOCENTRIC CONIC

C3 34.802 VML 5.899 DLA -10.46 RAL 167.22 RAD 6568.4 VEL 12.497 PTH 2.26 VMP 10.956 DPA 18.19 RAP 159.43 ECC 1.5728
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 49 10 2020.80 -14.44 29.57 35.81 114.62 9 22 50 1420.8 -11.00 22.58
 90.00 18 7 25 5325.62 27.49 242.19 42.18 82.94 19 36 10 4725.6 26.23 233.75
 100.00 10 5 18 1775.15 -15.69 10.90 35.20 115.77 10 34 53 1175.1 -12.10 3.96
 100.00 19 33 57 5046.81 28.86 221.45 41.97 81.85 20 58 4 4446.5 27.43 212.94
 110.00 11 1 45 1598.39 -18.98 355.71 33.41 118.98 11 28 23 998.4 -14.97 348.88
 110.00 20 54 0 4796.02 32.51 201.71 41.24 78.81 22 13 56 4196.0 30.63 193.00

DIFFERENTIAL CORRECTIONS

TOE .8243 TRA-1.7469 TC3 -.0489 BAU .0780
 RDE -.3046 RRA -.2628 RC3 .1603 FAU .02273
 FDE -.9120 FRA 1.2784 FC3 -.5655 BSP 6028
 BDE .8787 BRA 1.7665 BC3 .1676 FSP -393

MID-COURSE EXECUTION ACCURACY

SGT 1902.8 SGR 436.6 SG3 145.2
 RRT .2407 RRF -.2615 RTF -.8910
 SGB 1952.3 R23 -.0369 R13 -.8915
 SG1 1905.9 SG2 423.1 TMA 3.33

ORBIT DETERMINATION ACCURACY

ST 953.3 SR 305.9 SS 912.1
 CRT -.6739 CRS -.7884 CST .9854
 LSA 1333.9 MSA 233.9 SSA 16.7
 EL1 976.6 EL2 220.7 ALF 167.13

LAUNCH DATE MAY 8 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 272.178

RL 150.98 LAL -0.00 LOL 226.73 VL 25.380 GAL 8.15 AZL 93.54 MCA 109.24 SMA 119.15 ECC .30008 INC 3.5366 V1 29.510
 RP 108.87 LAP -3.34 LOP 336.01 VP 36.388 GAP -16.77 AZP 88.83 TAL 159.96 TAP 269.20 RCA 83.39 APO 154.90 V2 34.806
 RC 42.841 GL -15.85 GP 5.94 ZAL 55.83 ZAP 5.94 ETS 271.57 ZAE 162.21 ETE 89.81 ZAC 107.21 ETC 17.53 CLP -1.10

PLANETOCENTRIC CONIC

C3 32.196 VML 5.674 DLA -11.55 RAL 166.75 RAD 6568.3 VEL 12.392 PTH 2.24 VMP 10.454 DPA 17.97 RAP 161.21 ECC 1.5299
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 56 19 1964.68 -12.83 26.24 34.04 115.46 9 29 4 1364.7 -9.29 19.35
 90.00 17 56 28 5342.48 27.63 243.40 40.72 83.53 19 25 30 4742.5 26.45 234.94
 100.00 10 11 49 1721.10 -14.07 7.71 33.42 116.65 10 40 30 1121.1 -10.38 .87
 100.00 19 23 39 5061.29 29.00 222.53 40.52 82.40 20 48 0 4461.3 27.64 213.99
 110.00 11 6 51 1548.78 -17.32 352.82 31.60 119.94 11 32 39 948.8 -13.21 346.12
 110.00 20 45 7 4806.38 32.65 202.49 39.84 79.25 22 5 13 4206.4 30.82 193.74

DIFFERENTIAL CORRECTIONS

TOE .8351 TRA-1.7238 TC3 -.0180 BAU .0767
 RDE -.2729 RRA -.2539 RC3 .1773 FAU .02394
 FDE -.9762 FRA 1.3235 FC3 -.6438 BSP 6259
 BDE .8785 BRA 1.7424 BC3 .1782 FSP -432

MID-COURSE EXECUTION ACCURACY

SGT 1966.7 SGR 430.0 SG3 158.5
 RRT .2701 RRF -.2944 RTF -.8979
 SGB 2013.2 R23 -.0423 R13 -.8985
 SG1 1970.3 SG2 413.2 TMA 3.54

ORBIT DETERMINATION ACCURACY

ST 997.6 SR 286.6 SS 964.2
 CRT -.6664 CRS -.7824 CST .9853
 LSA 1398.1 MSA 227.8 SSA 16.7
 EL1 1016.5 EL2 209.7 ALF 168.67

LAUNCH DATE MAY 8 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 278.908

RL 150.98 LAL -0.00 LOL 226.73 VL 25.550 GAL 7.78 AZL 93.64 MCA 112.41 SMA 120.08 ECC .28866 INC 3.6427 V1 29.510
 RP 108.86 LAP -3.37 LOP 339.18 VP 36.513 GAP -15.92 AZP 88.61 TAL 159.82 TAP 272.23 RCA 85.42 APO 154.75 V2 34.812
 RC 42.900 GL -17.11 GP 6.41 ZAL 56.13 ZAP 6.61 ETS 284.85 ZAE 161.44 ETE 80.86 ZAC 105.52 ETC 17.26 CLP -1.63

PLANETOCENTRIC CONIC

C3 29.876 VML 5.466 DLA -12.69 RAL 166.18 RAD 6568.2 VEL 12.298 PTH 2.22 VMP 9.970 DPA 17.80 RAP 162.98 ECC 1.4917
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 3 42 1907.46 -11.13 22.90 32.30 116.21 9 35 29 1307.5 -7.52 16.08
 90.00 17 44 37 5362.12 27.77 244.82 39.25 84.23 19 13 59 4762.1 26.68 236.33
 100.00 10 18 29 1666.15 -12.36 4.52 31.67 117.43 10 46 15 1066.1 -8.59 357.76
 100.00 19 12 30 5078.67 29.15 223.80 39.07 83.05 20 37 9 4478.7 27.88 215.23
 110.00 11 11 59 1498.63 -15.59 349.96 29.81 120.81 11 36 57 898.6 -11.39 343.37
 110.00 20 35 30 4818.95 32.80 203.44 38.43 79.79 21 55 49 4219.0 31.05 194.65

DIFFERENTIAL CORRECTIONS

TOE .8482 TRA-1.6976 TC3 .0199 BAU .0785
 RDE -.2411 RRA -.2464 RC3 .1956 FAU .02528
 FDE -1.0485 FRA 1.3713 FC3 -.7325 BSP 6490
 BDE .8818 BRA 1.7154 BC3 .1966 FSP -477

MID-COURSE EXECUTION ACCURACY

SGT 2029.4 SGR 423.9 SG3 173.2
 RRT .3056 RRF -.3336 RTF -.9050
 SGB 2073.2 R23 -.0480 R13 -.9057
 SG1 2033.7 SG2 402.8 TMA 3.80

ORBIT DETERMINATION ACCURACY

ST 1044.0 SR 265.0 SS 1020.7
 CRT -.6551 CRS -.7724 CST .9855
 LSA 1467.2 MSA 221.2 SSA 16.5
 EL1 1058.9 EL2 197.4 ALF 170.22

LAUNCH DATE MAY 8 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC
 RL 150.98 LAL -.00 LOL 226.73 VL 25.708 GAL 7.42 AZL 93.75 MCA 115.57 SMA 120.97 ECC .27792 INC 3.7539 V1 29.510
 RP 108.84 LAP -3.39 LOP 342.35 VP 36.629 GAP -15.10 AZP 88.38 TAL 159.72 TAP 275.29 RCA 87.35 APO 154.59 V2 34.819
 RC 43.133 GL -18.45 GP 6.94 ZAL 56.51 ZAP 7.64 ETS 295.29 ZAE 160.27 ETE 72.96 ZAC 103.85 ETC 16.99 CLP -3.20

PLANETOCENTRIC CONIC
 C3 27.820 VHL 5.274 DLA -13.87 RAL 165.54 RAD 6568.1 VEL 12.215 PTH 2.19 VMP 9.503 DPA 17.69 RAP 164.73 ECC 1.4578
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 11 22 1848.99 -9.35 19.52 30.61 116.85 9 42 11 1249.0 -5.67 12.77
 90.00 17 31 46 5384.96 27.92 246.48 37.78 85.05 19 1 31 4785.0 26.94 237.95
 100.00 10 25 23 1610.23 -10.59 1.31 29.95 118.12 10 52 13 1010.2 -6.75 354.63
 100.00 19 0 26 5099.00 29.30 225.29 37.62 83.82 20 25 25 4499.0 28.14 216.68
 110.00 11 17 12 1447.91 -13.80 347.12 28.07 121.59 11 41 20 847.9 -9.53 340.63
 110.00 20 25 7 4834.04 32.98 204.58 37.03 80.45 21 45 41 4234.0 31.31 195.75

DIFFERENTIAL CORRECTIONS
 TOE .8628 TRA-1.6705 TC3 .0595 BAU .0831
 ROE -.2089 RRA -.2405 RC3 .2154 FAU .02675
 FOE-1.1303 FRA 1.4222 FC3 -.8324 BSP 6701
 BOE .8877 BRA 1.6877 BC3 .2235 FSP -525

MID-COURSE EXECUTION ACCURACY
 SGT 2091.9 SGR 419.0 SG3 189.5
 RRT .3474 RRF -.3798 RTF -.9111
 SGB 2133.4 R23 -.0553 R13 -.9119
 SGI 2097.1 SG2 391.9 THA 4.12

ORBIT DETERMINATION ACCURACY
 ST 1092.1 SR 241.0 SS 1081.9
 CRT -.6362 CRS -.7557 CST .9857
 LSA 1541.1 MSA 214.6 SSA 16.4
 EL1 1103.2 EL2 184.1 ALF 171.78

LAUNCH DATE MAY 8 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC
 RL 150.98 LAL -.00 LOL 226.73 VL 25.854 GAL 7.09 AZL 93.87 MCA 118.74 SMA 121.81 ECC .26784 INC 3.8712 V1 29.510
 RP 108.81 LAP -3.39 LOP 345.53 VP 36.739 GAP -14.31 AZP 88.14 TAL 159.65 TAP 278.39 RCA 89.18 APO 154.43 V2 34.826
 RC 43.534 GL -19.86 GP 7.55 ZAL 56.98 ZAP 8.95 ETS 303.03 ZAE 158.83 ETE 66.29 ZAC 102.20 ETC 16.74 CLP -4.82

PLANETOCENTRIC CONIC
 C3 26.009 VHL 5.100 DLA -15.10 RAL 164.80 RAD 6568.1 VEL 12.140 PTH 2.18 VMP 9.054 DPA 17.66 RAP 166.46 ECC 1.4280
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 19 27 1789.07 -7.49 16.10 28.96 117.39 9 49 16 1189.1 -3.76 9.41
 90.00 17 17 49 5411.45 28.06 248.40 36.31 86.01 18 48 0 4811.4 27.21 239.84
 100.00 10 32 36 1553.07 -8.74 358.08 28.29 118.70 10 58 29 953.1 -4.84 351.46
 100.00 18 47 21 5122.68 29.47 227.03 36.18 84.73 20 12 44 4522.7 28.42 218.38
 110.00 11 22 33 1396.58 -11.96 344.29 26.37 122.27 11 45 50 796.6 -7.61 337.89
 110.00 20 13 53 4851.93 33.17 205.94 35.65 81.23 21 34 45 4251.9 31.61 197.06

DIFFERENTIAL CORRECTIONS
 TOE .8799 TRA-1.6411 TC3 .1047 BAU .0901
 ROE -.1760 RRA -.2363 RC3 .2369 FAU .02838
 FOE-1.2235 FRA 1.4763 FC3 -.9446 BSP 6921
 BOE .8973 BRA 1.6580 BC3 .2590 FSP -580

MID-COURSE EXECUTION ACCURACY
 SGT 2153.0 SGR 416.1 SG3 207.5
 RRT .3969 RRF -.4338 RTF -.9171
 SGB 2192.8 R23 -.0633 R13 -.9180
 SGI 2159.5 SG2 380.7 THA 4.53

ORBIT DETERMINATION ACCURACY
 ST 1142.6 SR 214.3 SS 1148.6
 CRT -.6049 CRS -.7277 CST .9860
 LSA 1620.8 MSA 208.0 SSA 16.1
 EL1 1150.0 EL2 169.6 ALF 173.38

LAUNCH DATE MAY 8 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC
 RL 150.98 LAL -.00 LOL 226.73 VL 25.990 GAL 6.77 AZL 94.00 MCA 121.91 SMA 122.60 ECC .25841 INC 3.9959 V1 29.510
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.842 GAP -13.54 AZP 87.89 TAL 159.63 TAP 281.53 RCA 90.92 APO 154.28 V2 34.834
 RC 44.099 GL -21.34 GP 8.24 ZAL 57.53 ZAP 10.47 ETS 308.65 ZAE 157.18 ETE 60.83 ZAC 100.58 ETC 16.49 CLP -6.48

PLANETOCENTRIC CONIC
 C3 24.424 VHL 4.942 DLA -16.37 RAL 163.98 RAD 6568.0 VEL 12.075 PTH 2.16 VMP 8.622 DPA 17.71 RAP 168.19 ECC 1.4020
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 28 5 1727.37 -5.54 12.62 27.38 117.81 9 56 53 1127.4 -1.78 5.96
 90.00 17 2 36 5442.15 28.18 250.64 34.87 87.12 18 33 18 4842.1 27.49 242.04
 100.00 10 40 14 1494.58 -6.81 354.81 26.69 119.18 11 5 9 894.6 -2.87 348.24
 100.00 18 33 8 5150.18 29.62 229.06 34.77 85.78 19 58 58 4550.2 28.72 220.37
 110.00 11 28 8 1344.55 -10.05 341.46 24.72 122.85 11 50 32 744.5 -5.65 335.13
 110.00 20 1 44 4872.97 33.38 207.55 34.30 82.16 21 22 57 4273.0 31.94 198.61

DIFFERENTIAL CORRECTIONS
 TOE .9013 TRA-1.6074 TC3 .1566 BAU .0992
 ROE -.1416 RRA -.2342 RC3 .2603 FAU .03023
 FOE-1.3308 FRA 1.5327 FC3 -1.0714 BSP 7187
 BOE .9124 BRA 1.6244 BC3 .3038 FSP -643

MID-COURSE EXECUTION ACCURACY
 SGT 2210.9 SGR 416.2 SG3 227.5
 RRT .4540 RRF -.4956 RTF -.9231
 SGB 2249.8 R23 -.0724 R13 -.9242
 SGI 2219.2 SG2 369.4 THA 5.02

ORBIT DETERMINATION ACCURACY
 ST 1196.4 SR 185.0 SS 1221.9
 CRT -.5516 CRS -.6787 CST .9866
 LSA 1708.2 MSA 200.8 SSA 15.8
 EL1 1200.9 EL2 153.8 ALF 175.04

LAUNCH DATE MAY 8 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC
 RL 150.98 LAL -.00 LOL 226.73 VL 26.115 GAL 6.47 AZL 94.13 MCA 125.08 SMA 123.34 ECC .24960 INC 4.1295 V1 29.510
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.938 GAP -12.79 AZP 87.62 TAL 159.63 TAP 284.71 RCA 92.55 APO 154.13 V2 34.842
 RC 44.820 GL -22.90 GP 9.04 ZAL 58.17 ZAP 12.18 ETS 312.70 ZAE 155.41 ETE 56.48 ZAC 98.98 ETC 16.25 CLP -8.20

PLANETOCENTRIC CONIC
 C3 23.053 VHL 4.801 DLA -17.69 RAL 163.07 RAD 6567.9 VEL 12.018 PTH 2.15 VMP 8.208 DPA 17.88 RAP 169.91 ECC 1.3794
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 37 28 1663.49 -3.50 9.03 25.88 118.12 10 5 12 1063.5 .28 2.40
 90.00 16 45 57 5477.77 28.28 253.24 33.45 88.42 18 17 15 4877.8 27.76 244.62
 100.00 10 48 28 1434.41 -4.80 351.47 25.16 119.54 11 12 22 834.4 -.83 344.94
 100.00 18 17 39 5182.08 29.76 231.42 33.38 87.02 19 44 1 4582.1 29.03 222.70
 110.00 11 34 0 1291.70 -8.08 338.63 23.15 123.33 11 55 32 691.7 -3.64 332.36
 110.00 19 48 35 4897.55 33.59 209.43 32.99 83.26 21 10 13 4297.6 32.29 200.44

DIFFERENTIAL CORRECTIONS
 TOE .9230 TRA-1.5743 TC3 .2072 BAU .1087
 ROE -.1054 RRA -.2343 RC3 .2856 FAU .03219
 FOE-1.4524 FRA 1.5937 FC3 -1.2088 BSP 7383
 BOE .9290 BRA 1.5917 BC3 .3528 FSP -710

MID-COURSE EXECUTION ACCURACY
 SGT 2267.4 SGR 420.9 SG3 249.5
 RRT .5184 RRF -.5646 RTF -.9282
 SGB 2306.2 R23 -.0832 R13 -.9296
 SGI 2278.2 SG2 358.3 THA 5.64

ORBIT DETERMINATION ACCURACY
 ST 1250.3 SR 153.8 SS 1300.7
 CRT -.4496 CRS -.5851 CST .9871
 LSA 1800.2 MSA 194.7 SSA 15.4
 EL1 1252.2 EL2 137.2 ALF 176.80

LAUNCH DATE MAY 8 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 312.545

RL 150.98 LAL -.00 LOL 226.73 VL 26.230 GAL 6.19 AZL 94.27 MCA 128.25 SMA 124.04 ECC .24140 INC 4.2740 VI 29.510
 RP 108.74 LAP -3.36 LOP 355.05 VP 37.028 GAP -12.07 AZP 87.35 TAL 159.67 TAP 287.91 RCA 94.09 APO 153.98 V2 34.851
 RC 45.690 GL -24.55 GP 9.96 ZAL 58.90 ZAP 14.07 ETS 315.59 ZAE 153.59 ETE 53.11 ZAC 97.40 ETC 16.01 CLP -9.98

PLANETOCENTRIC CONIC

C3 21.883 VHL 4.678 OLA -19.06 RAL 162.07 RAD 6567.9 VEL 11.969 PTH 2.13 VMP 7.812 DPA 18.17 RAP 171.61 ECC 1.3601
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 47 51 1596.75 -1.35 5.30 24.47 118.29 10 14 27 996.7 2.44 358.67
 90.00 16 27 36 5519.23 28.32 256.27 32.05 89.94 17 59 35 4919.2 28.01 247.62
 100.00 10 57 28 1372.10 -2.70 348.04 23.73 119.78 11 20 20 772.1 1.28 341.52
 100.00 18 0 40 5219.12 29.86 234.17 32.03 88.46 19 27 39 4619.1 29.32 225.41
 110.00 11 40 18 1237.85 -6.06 335.78 21.64 123.71 12 0 56 637.8 -1.59 329.54
 110.00 19 34 19 4926.13 33.80 211.64 31.74 84.55 20 56 25 4326.1 32.67 202.58

DIFFERENTIAL CORRECTIONS

TDE .9478 TRA-1.5396 TC3 .2594 BAU .1190
 RDE -.0664 RRA -.2372 RC3 .3131 FAU .03434
 FDE-1.5924 FRA 1.6586 FC3-1.3586 BSP 7576
 BDE .9501 BRA 1.5578 BC3 .4066 FSP -785

MID-COURSE EXECUTION ACCURACY

SGT 2321.0 SGR 432.4 SG3 273.8
 RRT .5879 RRF -.6384 RTF -.9329
 SGB 2360.9 R23 -.0955 R13 -.9346
 SG1 2335.2 SG2 347.6 TMA 6.39

ORBIT DETERMINATION ACCURACY

ST 1306.1 SR 123.3 SS 1386.7
 CRT -.2431 CRS -.3901 CST .9877
 LSA 1899.5 MSA 189.0 SSA 14.9
 EL1 1306.5 EL2 119.5 ALF 178.67

LAUNCH DATE MAY 8 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 319.255

RL 150.98 LAL -.00 LOL 226.73 VL 26.337 GAL 5.92 AZL 94.43 MCA 131.42 SMA 124.69 ECC .23377 INC 4.4318 VI 29.510
 RP 108.71 LAP -3.32 LOP 358.23 VP 37.113 GAP -11.37 AZP 87.06 TAL 159.73 TAP 291.15 RCA 95.54 APO 153.84 V2 34.860
 RC 46.700 GL -26.28 GP 11.02 ZAL 59.71 ZAP 16.12 ETS 317.62 ZAE 151.75 ETE 50.61 ZAC 95.86 ETC 15.76 CLP -11.83

PLANETOCENTRIC CONIC

C3 20.907 VHL 4.572 OLA -20.50 RAL 160.98 RAD 6567.8 VEL 11.928 PTH 2.12 VMP 7.434 DPA 18.61 RAP 173.32 ECC 1.3441
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 59 36 1526.14 .92 1.36 23.19 118.30 10 25 2 926.1 4.70 354.72
 90.00 16 7 10 5567.85 28.27 259.83 30.68 91.72 17 39 58 4967.8 28.21 251.17
 100.00 11 7 31 1306.96 -.49 344.46 22.40 119.89 11 29 18 707.0 3.49 337.94
 100.00 17 41 56 5262.26 29.89 237.38 30.72 90.15 19 9 38 4662.3 29.59 228.59
 110.00 11 47 10 1182.70 -3.97 332.88 20.23 123.98 12 6 52 582.7 .52 326.67
 110.00 19 18 46 4959.29 33.98 214.21 30.56 86.06 20 41 26 4359.3 33.06 205.09

DIFFERENTIAL CORRECTIONS

TDE .9756 TRA-1.5029 TC3 .3115 BAU .1296
 RDE -.0234 RRA -.2431 RC3 .3433 FAU .03668
 FDE-1.7533 FRA 1.7267 FC3-1.5189 BSP 7755
 BDE .9759 BRA 1.5224 BC3 .4635 FSP -867

MID-COURSE EXECUTION ACCURACY

SGT 2370.2 SGR 453.0 SG3 300.4
 RRT .6590 RRF -.7129 RTF -.9374
 SGB 2413.1 R23 -.1095 R13 -.9395
 SG1 2389.3 SG2 338.0 TMA 7.33

ORBIT DETERMINATION ACCURACY

ST 1363.2 SR 102.3 SS 1480.0
 CRT .1657 CRS .0154 CST .9883
 LSA 2006.3 MSA 183.7 SSA 14.2
 EL1 1363.3 EL2 100.9 ALF .72

LAUNCH DATE MAY 8 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 325.956

RL 150.98 LAL -.00 LOL 226.73 VL 26.435 GAL 5.67 AZL 94.61 MCA 134.59 SMA 125.30 ECC .22671 INC 4.6059 VI 29.510
 RP 108.68 LAP -3.28 LOP 1.41 VP 37.191 GAP -10.69 AZP 86.76 TAL 159.82 TAP 294.41 RCA 96.89 APO 153.70 V2 34.870
 RC 47.841 GL -28.10 GP 12.27 ZAL 60.59 ZAP 18.36 ETS 318.99 ZAE 149.92 ETE 48.86 ZAC 94.35 ETC 15.51 CLP -13.77

PLANETOCENTRIC CONIC

C3 20.119 VHL 4.485 OLA -21.99 RAL 159.80 RAD 6567.8 VEL 11.895 PTH 2.11 VMP 7.076 DPA 19.25 RAP 175.04 ECC 1.3311
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 13 19 1450.03 3.38 357.11 22.06 118.13 10 37 29 850.0 7.11 350.43
 90.00 15 44 2 5625.59 28.08 264.04 29.34 93.83 17 17 48 5025.6 28.31 255.39
 100.00 11 19 2 1237.92 1.85 340.68 21.21 119.84 11 39 40 637.9 5.80 334.13
 100.00 17 21 0 5312.93 29.82 241.15 29.45 92.13 18 49 33 4712.9 29.80 232.34
 110.00 11 54 47 1125.84 -1.80 329.90 18.93 124.14 12 13 33 525.8 2.69 323.70
 110.00 19 1 44 4997.78 34.12 217.21 29.44 87.83 20 25 2 4397.8 33.44 208.03

DIFFERENTIAL CORRECTIONS

TDE 1.0071 TRA-1.4645 TC3 .3614 BAU .1404
 RDE .0252 RRA -.2527 RC3 .3764 FAU .03920
 FDE-1.9391 FRA 1.7979 FC3-1.6868 BSP 7924
 BDE 1.0074 BRA 1.4862 BC3 .5218 FSP -958

MID-COURSE EXECUTION ACCURACY

SGT 2414.6 SGR 486.0 SG3 329.7
 RRT .7269 RRF -.7833 RTF -.9414
 SGB 2463.1 R23 -.1251 R13 -.9442
 SG1 2440.8 SG2 330.2 TMA 8.48

ORBIT DETERMINATION ACCURACY

ST 1421.7 SR 109.7 SS 1581.2
 CRT .6709 CRS .5556 CST .9890
 LSA 2121.7 MSA 179.1 SSA 13.6
 EL1 1423.6 EL2 81.3 ALF 2.97

LAUNCH DATE MAY 8 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 332.646

RL 150.98 LAL -.00 LOL 226.73 VL 26.524 GAL 5.44 AZL 94.80 MCA 137.77 SMA 125.86 ECC .22018 INC 4.8003 VI 29.510
 RP 108.64 LAP -3.22 LOP 4.60 VP 37.265 GAP -10.03 AZP 86.44 TAL 159.93 TAP 297.69 RCA 98.15 APO 153.57 V2 34.881
 RC 49.103 GL -30.01 GP 13.73 ZAL 61.56 ZAP 20.81 ETS 319.83 ZAE 148.09 ETE 47.82 ZAC 92.87 ETC 15.25 CLP -15.78

PLANETOCENTRIC CONIC

C3 19.519 VHL 4.418 OLA -23.55 RAL 158.53 RAD 6567.8 VEL 11.870 PTH 2.11 VMP 6.738 DPA 20.11 RAP 176.78 ECC 1.3212
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 30 1 1365.43 6.07 352.36 21.14 117.71 10 52 46 765.4 9.74 345.60
 90.00 15 17 11 5695.80 27.65 269.14 28.00 96.35 16 52 7 5095.8 28.25 260.52
 100.00 11 32 40 1163.19 4.37 336.58 20.21 119.60 11 52 4 563.2 8.28 329.96
 100.00 16 57 13 5373.29 29.59 245.62 28.21 94.47 18 26 46 4773.3 29.89 236.82
 110.00 12 3 28 1066.62 .47 326.82 17.77 124.18 12 21 15 466.6 4.95 320.60
 110.00 18 42 55 5042.61 34.18 220.71 28.41 89.90 20 6 57 4442.6 33.79 211.49

DIFFERENTIAL CORRECTIONS

TDE 1.0448 TRA-1.4215 TC3 .4125 BAU .1524
 RDE .0815 RRA -.2662 RC3 .4132 FAU .04198
 FDE-2.1554 FRA 1.8684 FC3-1.8617 BSP 8146
 BDE 1.0480 BRA 1.4462 BC3 .5838 FSP -1061

MID-COURSE EXECUTION ACCURACY

SGT 2452.2 SGR 535.1 SG3 361.5
 RRT .7878 RRF -.8449 RTF -.9457
 SGB 2509.9 R23 -.1405 R13 -.9491
 SG1 2488.8 SG2 324.7 TMA 9.93

ORBIT DETERMINATION ACCURACY

ST 1483.2 SR 155.1 SS 1691.8
 CRT .9194 CRS .8555 CST .9898
 LSA 2248.5 MSA 174.2 SSA 12.7
 EL1 1490.1 EL2 60.8 ALF 5.50

LAUNCH DATE MAY 8 1967 FLIGHT TIME 134.00 ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC
 RL 150.98 LAL -.00 LOL 226.73 VL 26.607 GAL 5.23 AZL 95.02 MCA 140.94 SMA 126.39 ECC .21416 INC 5.0200 V1 29.510
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.334 GAP -9.39 A7P 86.10 TAL 160.06 TAP 301.00 RCA 99.32 APO 153.45 V2 34.891
 RC 50.476 GL -32.03 GP 15.46 ZAL 62.60 ZAP 23.49 ETS 320.24 ZAE 146.25 ETE 47.44 ZAC 91.42 ETC 14.97 CLP -17.90

PLANETOCENTRIC CONIC
 C3 19.115 VHL 4.372 OLA -25.20 RAL 157.16 RAD 6567.8 VEL 11.853 PTH 2.10 VMP 6.424 OPA 21.25 RAP 178.55 ECC 1.3146
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 51 46 1266.15 9.18 346.72 20.53 116.91 11 12 52 666.1 12.72 339.83
 90.00 14 44 32 5785.20 26.82 275.54 26.59 99.45 16 20 57 5185.2 27.85 267.03
 100.00 11 49 34 1079.48 7.17 331.92 19.45 119.10 12 7 34 479.5 10.99 325.22
 100.00 16 29 24 5447.10 29.07 251.04 26.97 97.28 18 0 11 4847.1 29.77 242.31
 110.00 12 13 37 1004.06 2.86 323.55 16.79 124.08 12 30 21 404.1 7.31 317.30
 110.00 18 21 51 5095.28 34.11 224.82 27.47 92.33 19 46 46 4495.3 34.06 215.58

DIFFERENTIAL CORRECTIONS
 TOE 1.0847 TRA-1.3796 TC3 .4509 BAU .1634 SGT 2483.6 SGR 604.4 SG3 395.5 ORBIT DETERMINATION ACCURACY
 ROE .1484 RRA -.2849 RC3 .4533 FAU .04476 CRT .9850 CRS .9532 CST .9903 ST 1542.8 SR 230.8 SS 1809.3
 FOE-2.4026 FRA 1.9408 FC3-2.0271 BSP 8289 SGB 2556.1 R23 -.1571 R13 -.9536 LSA 2382.8 MSA 170.8 SSA 11.8
 BOE 1.0948 BRA 1.4087 BC3 .6394 FSP -1168 SG1 2535.5 SG2 323.4 THA 11.71 EL1 1559.4 EL2 39.4 ALF 8.39

LAUNCH DATE MAY 8 1967 FLIGHT TIME 136.00 ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC
 RL 150.98 LAL -.00 LOL 226.73 VL 26.682 GAL 5.03 AZL 95.27 MCA 144.12 SMA 126.87 ECC .20864 INC 5.2723 V1 29.510
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.398 GAP -8.77 A7P 85.72 TAL 160.20 TAP 304.32 RCA 100.40 APO 153.34 V2 34.903
 RC 51.950 GL -34.16 GP 17.53 ZAL 63.71 ZAP 26.44 ETS 320.30 ZAE 144.35 ETE 47.68 ZAC 90.00 ETC 14.65 CLP -20.12

PLANETOCENTRIC CONIC
 C3 18.922 VHL 4.350 OLA -26.92 RAL 155.69 RAD 6567.8 VEL 11.845 PTH 2.10 VMP 6.135 OPA 22.72 RAP 180.40 ECC 1.3114
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 24 23 1133.94 13.15 339.03 20.47 115.31 11 43 17 533.9 16.45 331.91
 90.00 14 0 10 624.57 25.08 306.56 24.92 103.60 14 10 35 24.6 26.70 298.27
 100.00 12 12 9 979.61 10.43 326.30 19.07 118.17 12 28 29 379.6 14.11 319.45
 100.00 15 55 5 5542.17 28.05 257.92 25.64 100.77 17 27 27 4942.2 29.25 249.33
 110.00 12 25 54 936.48 5.43 320.01 16.04 123.80 12 41 30 336.5 9.83 313.68
 110.00 17 57 50 5158.06 33.83 229.70 26.59 95.21 19 23 48 4558.1 34.18 220.47

DIFFERENTIAL CORRECTIONS
 TOE 1.1294 TRA-1.3361 TC3 .4790 BAU .1746 SGT 2506.4 SGR 698.5 SG3 431.2 ORBIT DETERMINATION ACCURACY
 ROE .2299 RRA -.3095 RC3 .4972 FAU .04754 RRT .8758 RRF -.9315 RTF -.9521 CRT .9984 CRS .9838 CST .9912 ST 1601.2 SR 332.7 SS 1934.0
 FOE-2.6858 FRA 2.0096 FC3-2.1751 BSP 8425 SGB 2602.0 R23 -.1722 R13 -.9580 LSA 2527.2 MSA 168.1 SSA 10.9
 BOE 1.1526 BRA 1.3714 BC3 .6903 FSP -1282 SG1 2581.3 SG2 327.4 THA 13.94 EL1 1635.3 EL2 18.2 ALF 11.72

LAUNCH DATE MAY 8 1967 FLIGHT TIME 138.00 ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC
 RL 150.98 LAL -.00 LOL 226.73 VL 26.750 GAL 4.84 AZL 95.57 MCA 147.30 SMA 127.31 ECC .20359 INC 5.5666 V1 29.510
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.457 GAP -8.16 A7P 85.31 TAL 160.35 TAP 307.65 RCA 101.39 APO 153.23 V2 34.914
 RC 53.515 GL -36.42 GP 20.00 ZAL 64.91 ZAP 29.73 ETS 320.05 ZAE 142.33 ETE 48.54 ZAC 88.59 ETC 14.29 CLP -22.46

PLANETOCENTRIC CONIC
 C3 18.967 VHL 4.355 OLA -28.75 RAL 154.10 RAD 6567.8 VEL 11.847 PTH 2.10 VMP 5.878 OPA 24.60 RAP 182.36 ECC 1.3121
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.79 11 52 28 1020.55 20.22 333.90 21.91 110.89 12 9 28 420.5 22.88 326.21
 95.21 13 19 24 739.09 20.23 313.29 21.91 110.87 13 31 43 139.1 22.89 305.59
 100.00 12 48 3 840.12 14.78 318.23 19.42 116.28 13 2 3 240.1 18.19 311.10
 100.00 15 6 30 5682.79 25.87 267.80 23.93 105.52 16 41 13 5082.8 27.75 259.50
 110.00 12 41 28 860.80 8.27 316.00 15.62 123.29 12 55 49 260.8 12.60 309.57
 110.00 17 29 34 5234.87 33.20 235.61 25.73 98.65 18 56 49 4634.9 34.04 226.47

DIFFERENTIAL CORRECTIONS
 TOE 1.1835 TRA-1.2875 TC3 .5007 BAU .1877 SGT 2519.3 SGR 823.2 SG3 467.6 ORBIT DETERMINATION ACCURACY
 ROE .3324 RRA -.3404 RC3 .5452 FAU .05033 RRT .9040 RRF -.9572 RTF -.9553 CRT .9996 CRS .9942 CST .9921 ST 1661.4 SR 463.6 SS 2066.6
 FOE-3.0112 FRA 2.0646 FC3-2.2971 BSP 8627 SGB 2650.4 R23 -.1820 R13 -.9630 LSA 2686.8 MSA 165.2 SSA 9.8
 BOE 1.2293 BRA 1.3317 BC3 .7402 FSP -1404 SG1 2628.9 SG2 337.2 THA 16.74 EL1 1724.8 EL2 13.4 ALF 15.59

LAUNCH DATE MAY 8 1967 FLIGHT TIME 140.00 ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC
 RL 150.98 LAL -.00 LOL 226.73 VL 26.812 GAL 4.67 AZL 95.92 MCA 150.48 SMA 127.72 ECC .19899 INC 5.9170 V1 29.510
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.513 GAP -7.57 A7P 84.85 TAL 160.50 TAP 310.98 RCA 102.31 APO 153.14 V2 34.926
 RC 55.163 GL -38.83 GP 23.00 ZAL 66.19 ZAP 33.40 ETS 319.54 ZAE 140.06 ETE 49.99 ZAC 87.19 ETC 13.87 CLP -24.92

PLANETOCENTRIC CONIC
 C3 19.300 VHL 4.393 OLA -30.70 RAL 152.37 RAD 6567.8 VEL 11.861 PTH 2.10 VMP 5.658 OPA 26.99 RAP 184.51 ECC 1.3176
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.61 10 49 51 1203.08 21.42 347.94 21.01 112.54 11 9 54 603.1 24.28 340.25
 102.39 14 8 14 5852.81 21.43 278.78 21.02 112.53 15 45 47 5252.8 24.29 271.09
 77.61 10 49 51 1203.08 21.42 347.94 21.01 112.54 11 9 54 603.1 24.28 340.25
 102.39 14 8 14 5852.81 21.43 278.78 21.02 112.53 15 45 47 5252.8 24.29 271.09
 110.00 13 2 48 770.28 11.62 311.12 15.71 122.38 13 15 38 170.3 15.81 304.52
 110.00 16 54 28 5333.62 31.94 243.03 24.77 102.87 18 23 22 4733.6 33.38 234.10

DIFFERENTIAL CORRECTIONS
 TOE 1.2459 TRA-1.2375 TC3 .5070 BAU .2018 SGT 2522.3 SGR 985.1 SG3 502.7 ORBIT DETERMINATION ACCURACY
 ROE .4640 RRA -.3789 RC3 .5955 FAU .05273 RRT .9238 RRF -.9741 RTF -.9581 CRT .9983 CRS .9979 CST .9928 ST 1719.7 SR 629.5 SS 2202.5
 FOE-3.3753 FRA 2.1008 FC3-2.3651 BSP 8852 SGB 2707.8 R23 -.1858 R13 -.9682 LSA 2859.8 MSA 162.8 SSA 8.8
 BOE 1.3295 BRA 1.2942 BC3 .7821 FSP -1525 SG1 2684.5 SG2 354.4 THA 20.21 EL1 1831.0 EL2 34.6 ALF 20.08

LAUNCH DATE MAY 8 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 365.886

RL 150.98 LAL -.00 LOL 226.73 VL 26.868 GAL 4.52 AZL 96.34 MCA 153.66 SMA 128.09 ECC .19483 INC 6.3440 V1 29.510
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.564 GAP -6.99 AZP 84.31 TAL 160.66 TAP 314.32 RCA 103.14 APO 153.05 V2 34.938
 RC 56.885 GL -41.43 GP 26.65 ZAL 67.57 ZAP 37.55 ETS 318.80 ZAE 137.41 ETE 52.00 ZAC 85.77 ETC 13.35 CLP -27.50

PLANETOCENTRIC CONIC

C3 20.005 VHL 4.473 OLA -32.79 RAL 150.47 RAD 6567.8 VEL 11.891 PTH 2.11 VMP 5.489 OPA 29.98 RAP 186.96 ECC 1.3292
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.73 10 8 47 1316.58 22.55 357.08 20.33 114.46 10 30 43 716.6 25.66 349.42
 107.27 14 34 11 5756.35 22.56 272.00 20.34 114.45 16 10 7 5156.3 25.67 264.34
 72.73 10 8 47 1316.58 22.55 357.08 20.33 114.46 10 30 43 716.6 25.66 349.42
 107.27 14 34 11 5756.35 22.56 272.00 20.34 114.45 16 10 7 5156.3 25.67 264.34
 110.00 13 37 29 643.05 16.14 304.04 20.80 120.55 13 48 12 43.0 20.08 297.13
 110.00 16 4 40 5477.87 29.28 253.42 23.27 108.48 17 35 57 4877.9 31.52 244.93

DIFFERENTIAL CORRECTIONS

TDE 1.3187 TRA-1.1865 TC3 .4932 BAU .2170
 RDE .6370 RRA -.4257 RC3 .6444 FAU .05424
 FDE-3.7695 FRA 2.1048 FC3-2.3472 BSP 9103
 BDE 1.4645 BRA 1.2606 BC3 .8115 FSP -1632

MID-COURSE EXECUTION ACCURACY

SGT 2513.4 SGR 1191.2 SG3 532.7
 RRT .9371 RRF -.9846 RTF -.9604
 SGB 2781.4 R23 -.1820 R13 -.9736
 SG1 2755.4 SG2 379.3 THA 24.44

ORBIT DETERMINATION ACCURACY

ST 1774.3 SR 839.0 SS 2335.4
 CRT .9970 CRS .9993 CST .9935
 LSA 3046.3 MSA 161.2 SSA 7.7
 EL1 1961.8 EL2 58.9 ALF 25.27

LAUNCH DATE MAY 8 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 372.484

RL 150.98 LAL -.00 LOL 226.73 VL 26.919 GAL 4.38 AZL 96.88 MCA 156.84 SMA 128.43 ECC .19108 INC 6.8793 V1 29.510
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.612 GAP -6.43 AZP 83.67 TAL 160.81 TAP 317.65 RCA 103.89 APO 152.97 V2 34.951
 RC 58.673 GL -44.25 GP 31.10 ZAL 69.07 ZAP 42.26 ETS 317.89 ZAE 134.16 ETE 54.47 ZAC 84.30 ETC 12.69 CLP -30.19

PLANETOCENTRIC CONIC

C3 21.228 VHL 4.607 OLA -35.05 RAL 148.36 RAD 6567.9 VEL 11.942 PTH 2.13 VMP 5.390 OPA 33.71 RAP 189.90 ECC 1.3494
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 68.42 9 34 8 1410.90 23.56 4.95 19.91 116.73 9 57 39 810.9 26.95 357.35
 111.58 14 51 58 5690.42 23.57 267.40 19.91 116.73 16 26 48 5090.4 26.96 259.80
 68.42 9 34 8 1410.90 23.56 4.95 19.91 116.73 9 57 39 810.9 26.95 357.35
 111.58 14 51 58 5690.42 23.57 267.40 19.91 116.73 16 26 48 5090.4 26.96 259.80
 68.42 9 34 8 1410.90 23.56 4.95 19.91 116.73 9 57 39 810.9 26.95 357.35
 111.58 14 51 58 5690.42 23.57 267.40 19.91 116.73 16 26 48 5090.4 26.96 259.80

DIFFERENTIAL CORRECTIONS

TDE 1.4131 TRA-1.1299 TC3 .4675 BAU .2361
 RDE .8707 RRA -.4789 RC3 .6880 FAU .05458
 FDE-4.1812 FRA 2.0493 FC3-2.2257 BSP 9535
 BDE 1.6598 BRA 1.2272 BC3 .8318 FSP -1721

MID-COURSE EXECUTION ACCURACY

SGT 2493.9 SGR 1450.3 SG3 552.8
 RRT .9467 RRF -.9909 RTF -.9629
 SGB 2884.9 R23 -.1679 R13 -.9796
 SG1 2856.0 SG2 407.8 THA 29.50

ORBIT DETERMINATION ACCURACY

ST 1831.2 SR 1104.7 SS 2460.1
 CRT .9962 CRS .9998 CST .9942
 LSA 3255.8 MSA 158.7 SSA 6.7
 EL1 2137.0 EL2 82.0 ALF 31.06

LAUNCH DATE MAY 8 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 379.071

RL 150.98 LAL -.00 LOL 226.73 VL 26.964 GAL 4.26 AZL 97.58 MCA 160.03 SMA 128.73 ECC .18774 INC 7.5751 V1 29.510
 RP 108.39 LAP -2.45 LOP 26.92 VP 37.656 GAP -5.89 AZP 82.88 TAL 160.94 TAP 320.97 RCA 104.56 APO 152.90 V2 34.964
 RC 60.521 GL -47.33 GP 36.56 ZAL 70.71 ZAP 47.62 ETS 316.84 ZAE 130.05 ETE 57.22 ZAC 82.75 ETC 11.78 CLP -32.95

PLANETOCENTRIC CONIC

C3 23.241 VHL 4.821 OLA -37.51 RAL 145.97 RAD 6567.9 VEL 12.026 PTH 2.15 VMP 5.393 OPA 38.26 RAP 193.64 ECC 1.3825
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 64.30 9 2 15 1499.18 24.35 12.49 19.83 119.46 9 27 14 899.2 28.08 5.01
 115.70 15 4 45 5646.04 24.36 264.30 19.83 119.45 16 38 51 5046.0 28.09 256.82
 64.30 9 2 15 1499.18 24.35 12.49 19.83 119.46 9 27 14 899.2 28.08 5.01
 115.70 15 4 45 5646.04 24.36 264.30 19.83 119.45 16 38 51 5046.0 28.09 256.82
 64.30 9 2 15 1499.18 24.35 12.49 19.83 119.46 9 27 14 899.2 28.08 5.01
 115.70 15 4 45 5646.04 24.36 264.30 19.83 119.45 16 38 51 5046.0 28.09 256.82

DIFFERENTIAL CORRECTIONS

TDE 1.4567 TRA-1.1500 TC3 .2864 BAU .2245
 RDE 1.1655 RRA -.5677 RC3 .6633 FAU .04722
 FDE-4.4522 FRA 2.0393 FC3-1.7588 BSP 8198
 BDE 1.8656 BRA 1.2825 BC3 .7225 FSP -1514

MID-COURSE EXECUTION ACCURACY

SGT 2458.2 SGR 1746.8 SG3 547.9
 RRT .9410 RRF -.9943 RTF -.9555
 SGB 3015.6 R23 -.1709 R13 -.9812
 SG1 2975.8 SG2 488.5 THA 34.84

ORBIT DETERMINATION ACCURACY

ST 1806.8 SR 1408.6 SS 2502.2
 CRT .9941 CRS .9999 CST .9930
 LSA 3387.9 MSA 178.0 SSA 5.7
 EL1 2287.9 EL2 120.3 ALF 37.90

LAUNCH DATE MAY 8 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 385.623

RL 150.98 LAL -.00 LOL 226.73 VL 27.004 GAL 4.15 AZL 98.52 MCA 163.21 SMA 129.00 ECC .18475 INC 8.5230 V1 29.510
 RP 108.35 LAP -2.45 LOP 30.11 VP 37.697 GAP -5.36 AZP 81.84 TAL 161.07 TAP 324.28 RCA 105.17 APO 152.84 V2 34.977
 RC 62.420 GL -50.75 GP 43.23 ZAL 72.56 ZAP 53.73 ETS 315.70 ZAE 124.78 ETE 59.99 ZAC 81.05 ETC 10.47 CLP -35.71

PLANETOCENTRIC CONIC

C3 26.567 VHL 5.154 OLA -40.19 RAL 143.13 RAD 6568.1 VEL 12.163 PTH 2.18 VMP 5.556 OPA 43.71 RAP 198.75 ECC 1.4372
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 60.19 8 31 12 1588.78 24.71 20.19 20.11 122.77 8 57 40 988.8 28.85 12.93
 119.81 15 13 13 5622.26 24.73 262.56 20.12 122.76 16 46 55 5022.3 28.86 255.30
 60.19 8 31 12 1588.78 24.71 20.19 20.11 122.77 8 57 40 988.8 28.85 12.93
 119.81 15 13 13 5622.26 24.73 262.56 20.12 122.76 16 46 55 5022.3 28.86 255.30
 60.19 8 31 12 1588.78 24.71 20.19 20.11 122.77 8 57 40 988.8 28.85 12.93
 119.81 15 13 13 5622.26 24.73 262.56 20.12 122.76 16 46 55 5022.3 28.86 255.30

DIFFERENTIAL CORRECTIONS

TDE 1.6793 TRA-1.0495 TC3 .3075 BAU .2648
 RDE 1.6292 RRA -.6057 RC3 .6793 FAU .04521
 FDE-4.8018 FRA 1.7300 FC3-1.4731 BSP 10155
 BDE 2.3397 BRA 1.2117 BC3 .7456 FSP -1610

MID-COURSE EXECUTION ACCURACY

SGT 2432.5 SGR 2132.4 SG3 526.5
 RRT .9540 RRF -.9965 RTF -.9640
 SGB 3234.8 R23 -.1276 R13 -.9893
 SG1 3198.1 SG2 486.1 THA 41.06

ORBIT DETERMINATION ACCURACY

ST 1922.1 SR 1830.3 SS 2587.9
 CRT .9954 CRS 1.0000 CST .9950
 LSA 3703.4 MSA 162.3 SSA 4.8
 EL1 2651.1 EL2 127.1 ALF 43.59

LAUNCH DATE MAY 8 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC YONIC

DISTANCE 392.156

RL 150.98 LAL -.00 LOL 226.73 VL 27.039 GAL 4.06 AZL 99.90 MCA 166.38 SMA 129.24 ECC .18214 INC 9.8994 V1 29.510
 RP 108.31 LAP -2.32 LOP .33.31 VP 37.734 GAP -4.84 AZP 80.37 TAL 161.17 TAP 327.56 RCA 105.70 APO 152.78 V2 34.990
 RC 64.367 GL -54.56 GP 51.28 ZAL 74.67 ZAP 60.54 ETS 314.33 ZAE 118.07 ETE 62.20 ZAC 79.14 ETC 8.36 CLP -38.18

PLANETOCENTRIC CONIC

C3 32.393 VHL 5.692 DLA -43.10 RAL 139.71 RAD 6568.3 VEL 12.400 PTH 2.24 VHP 5.997 DPA 49.91 RAP 206.31 ECC 1.5331
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 56.04 7 59 42 1687.50 24.28 28.43 20.88 126.77 8 27 50 1087.5 28.89 21.53
 123.96 15 17 25 5622.75 24.30 262.28 20.89 126.76 16 51 7 5022.7 28.91 255.38
 56.04 7 59 42 1687.50 24.28 28.43 20.88 126.77 8 27 50 1087.5 28.89 21.53
 123.96 15 17 25 5622.75 24.30 262.28 20.89 126.76 16 51 7 5022.7 28.91 255.38
 56.04 7 59 42 1687.50 24.28 28.43 20.88 126.77 8 27 50 1087.5 28.89 21.53
 123.96 15 17 25 5622.75 24.30 262.28 20.89 126.76 16 51 7 5022.7 28.91 255.38

DIFFERENTIAL CORRECTIONS

TDE 1.9554 TRA -1.0098 TC3 .2250 BAU .2768
 ROE 2.2647 RRA -.6444 RC3 .5982 FAU .03548
 FDE -4.8685 FRA 1.3899 FC3 -.9482 BSP 11043
 BDE 2.9921 BRA 1.1979 BC3 .6391 FSP -1426

MID-COURSE EXECUTION ACCURACY

SGT 2424.7 SGR 2539.8 SG3 464.1
 RRT .9580 RRF -.9976 RTF -.9668
 SGB 3511.4 R23 -.0995 R13 -.9934
 SG1 3474.4 SG2 508.6 THA 46.39

ORBIT DETERMINATION ACCURACY

ST 2012.3 SR 2295.4 SS 2556.9
 CRT .9957 CRS 1.0000 CST .9957
 LSA 3978.7 MSA 160.6 SSA 4.0
 EL1 3049.4 EL2 140.4 ALF 48.78

LAUNCH DATE MAY 8 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 398.657

RL 150.98 LAL -.00 LOL 226.73 VL 27.071 GAL 3.99 AZL 102.09 MCA 169.55 SMA 129.46 ECC .17989 INC12.0943 V1 29.510
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.769 GAP -4.34 AZP 78.10 TAL 161.24 TAP 330.80 RCA 106.17 APO 152.74 V2 35.003
 RC 66.356 GL -58.75 GP 60.81 ZAL 77.15 ZAP 67.91 ETS 311.99 ZAE 109.66 ETE 62.62 ZAC 76.88 ETC 4.33 CLP -39.55

PLANETOCENTRIC CONIC

C3 43.801 VHL 6.618 DLA -46.13 RAL 135.43 RAD 6568.7 VEL 12.852 PTH 2.34 VHP 6.968 DPA 56.22 RAP 218.38 ECC 1.7209
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.92 7 26 49 1805.07 22.34 37.46 22.15 131.48 7 56 54 1205.1 27.50 31.12
 128.08 15 16 7 5657.49 22.35 263.73 22.16 131.47 16 50 24 5057.5 27.51 257.39
 51.92 7 26 49 1805.07 22.34 37.46 22.15 131.48 7 56 54 1205.1 27.50 31.12
 128.08 15 16 7 5657.49 22.35 263.73 22.16 131.47 16 50 24 5057.5 27.51 257.39
 51.92 7 26 49 1805.07 22.34 37.46 22.15 131.48 7 56 54 1205.1 27.50 31.12
 128.08 15 16 7 5657.49 22.35 263.73 22.16 131.47 16 50 24 5057.5 27.51 257.39

DIFFERENTIAL CORRECTIONS

TDE 2.5065 TRA -.9981 TC3 .1363 BAU .2637
 ROE 3.1760 RRA -.6194 RC3 .4292 FAU .02190
 FDE -4.6189 FRA .9645 FC3 -.4329 BSP 12130
 BDE 4.0459 BRA 1.1747 BC3 .4503 FSP -1120

MID-COURSE EXECUTION ACCURACY

SGT 2509.2 SGR 2912.3 SG3 364.2
 RRT .9625 RRF -.9980 RTF -.9722
 SGB 3844.2 R23 -.0738 R13 -.9962
 SG1 3808.8 SG2 520.2 THA 49.41

ORBIT DETERMINATION ACCURACY

ST 2202.0 SR 2759.4 SS 2417.2
 CRT .9963 CRS 1.0000 CST .9968
 LSA 4275.6 MSA 158.8 SSA 3.1
 EL1 3527.1 EL2 148.9 ALF 51.43

LAUNCH DATE MAY 8 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 405.108

RL 150.98 LAL -.00 LOL 226.73 VL 27.098 GAL 3.93 AZL 106.16 MCA 172.69 SMA 129.64 ECC .17800 INC16.1626 V1 29.510
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.800 GAP -3.85 AZP 73.96 TAL 161.27 TAP 333.96 RCA 106.56 APO 152.72 V2 35.016
 RC 68.382 GL -63.05 GP 71.81 ZAL 80.13 ZAP 75.41 ETS 303.75 ZAE 99.25 ETE 55.97 ZAC 73.98 ETC 353.01 CLP -36.20

PLANETOCENTRIC CONIC

C3 71.272 VHL 8.442 DLA -48.86 RAL 130.01 RAD 6569.4 VEL 13.879 PTH 2.53 VHP 9.144 DPA 60.86 RAP 238.22 ECC 2.1730
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 48.36 6 52 49 1955.29 17.61 47.10 23.90 136.35 7 25 25 1355.3 23.30 41.51
 131.64 15 6 54 5746.06 17.63 267.42 23.91 136.34 16 42 40 5146.1 23.32 261.83
 48.36 6 52 49 1955.29 17.61 47.10 23.90 136.35 7 25 25 1355.3 23.30 41.51
 131.64 15 6 54 5746.06 17.63 267.42 23.91 136.34 16 42 40 5146.1 23.32 261.83
 48.36 6 52 49 1955.29 17.61 47.10 23.90 136.35 7 25 25 1355.3 23.30 41.51
 131.64 15 6 54 5746.06 17.63 267.42 23.91 136.34 16 42 40 5146.1 23.32 261.83

DIFFERENTIAL CORRECTIONS

TDE 4.0613 TRA -1.0736 TC3 .0405 BAU .1661
 ROE 4.2803 RRA -.3912 RC3 .1696 FAU .00596
 FDE -4.0304 FRA .5472 FC3 -.0724 BSP 13114
 BDE 5.9004 BRA 1.1427 BC3 .1744 FSP -733

MID-COURSE EXECUTION ACCURACY

SGT 2971.3 SGR 2946.7 SG3 241.5
 RRT .9678 RRF -.9964 RTF -.9839
 SGB 4184.7 R23 -.0504 R13 -.9982
 SG1 4150.8 SG2 531.2 THA 44.75

ORBIT DETERMINATION ACCURACY

ST 2776.3 SR 2907.4 SS 2165.1
 CRT .9969 CRS .9998 CST .9983
 LSA 4563.2 MSA 160.6 SSA 2.0
 EL1 4017.0 EL2 157.3 ALF 46.33

LAUNCH DATE MAY 8 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 411.435

RL 150.98 LAL -.00 LOL 226.73 VL 27.121 GAL 3.91 AZL 116.16 MCA 175.75 SMA 129.80 ECC .17654 INC26.1632 V1 29.510
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.829 GAP -3.41 AZP 63.90 TAL 161.18 TAP 336.93 RCA 106.89 APO 152.72 V2 35.029
 RC 70.443 GL -65.58 GP 82.22 ZAL 83.70 ZAP 82.33 ETS 234.45 ZAE 85.51 ETE 347.11 ZAC 69.30 ETC 278.43 CLP 9.54

PLANETOCENTRIC CONIC

C3 171.679 VHL 13.103 DLA -49.33 RAL 124.11 RAD 6570.9 VEL 17.117 PTH 2.93 VHP 15.057 DPA 59.57 RAP 267.12 ECC 3.8254
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 47.75 6 27 15 2140.11 8.66 55.43 26.58 138.76 7 2 55 1540.1 14.63 50.40
 132.25 14 45 25 632.97 8.67 296.86 26.60 138.76 14 55 58 33.0 14.64 291.84
 47.75 6 27 15 2140.11 8.66 55.43 26.58 138.76 7 2 55 1540.1 14.63 50.40
 132.25 14 45 25 632.97 8.67 296.86 26.60 138.76 14 55 58 33.0 14.64 291.84
 47.75 6 27 15 2140.11 8.66 55.43 26.58 138.76 7 2 55 1540.1 14.63 50.40
 132.25 14 45 25 632.97 8.67 296.86 26.60 138.76 14 55 58 33.0 14.64 291.84

DIFFERENTIAL CORRECTIONS

TDE 9.8562 TRA -.5197 TC3 -.1330 BAU .3437
 ROE -1.2434 RRA 1.1209 RC3 .0688 FAU -.01149
 FDE -3.4206 FRA .2726 FC3 .0579 BSP 13787
 BDE 9.9343 BRA 1.2355 BC3 .1498 FSP -393

MID-COURSE EXECUTION ACCURACY

SGT 4338.1 SGR 945.4 SG3 130.9
 RRT -.6506 RRF .6832 RTF -.9990
 SGB 4439.9 R23 -.0201 R13 .9997
 SG1 4382.7 SG2 710.7 THA 171.71

ORBIT DETERMINATION ACCURACY

ST 4311.2 SR 588.7 SS 1947.2
 CRT -.9326 CRS -.9370 CST .9999
 LSA 4762.4 MSA 211.0 SSA .9
 EL1 4346.1 EL2 210.7 ALF 172.73

LAUNCH DATE MAY 8 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 417.015

RL 150.98 LAL -.00 LOL 226.73 VL 27.140 GAL 4.03 AZL 160.31 MCA 178.18 SMA 129.94 ECC .17624 INC70.3012 VI 29.510
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.856 GAP -3.15 A7P 19.70 TAL 160.51 TAP 338.69 RCA 107.04 APO 152.84 V2 35.042
 RC 72.534 GL -51.28 GP 59.47 ZAL 87.37 ZAP 87.39 ETS 180.85 ZAE 56.90 ETE 296.65 ZAC 56.18 ETC 210.04 CLP 84.86

PLANETOCENTRIC CONIC

C31067.370 VML 32.671 OLA -33.98 RAL 125.85 RAD 6573.0 VEL 34.477 PTH 3.51 VMP 40.502 DPA 37.52 RAP 298.77 ECC18.5662
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.37 8 15 52 2033.12 -.35 38.42 36.36 123.98 8 49 45 1433.1 4.11 32.19
 109.63 13 10 41 1094.44 -.33 328.45 36.37 123.98 13 28 55 494.4 4.13 322.22
 70.37 8 15 52 2033.12 -.35 38.42 36.36 123.98 8 49 45 1433.1 4.11 32.19
 109.63 13 10 41 1094.44 -.33 328.45 36.37 123.98 13 28 55 494.4 4.13 322.22
 110.00 12 44 54 1173.08 -3.60 332.37 34.16 124.02 13 4 27 573.1 .89 326.17
 110.00 13 40 49 1002.48 2.92 323.47 38.56 124.07 13 57 32 402.5 7.37 317.21

DIFFERENTIAL CORRECTIONS

TDE 7.8866 TRA 1.6632 TC3 -.1207 BAU 4.4004
 RD-17.6528 RRA 3.4267 RC3 .2838 FAU-.07685
 FDE-4.0654 FRA .7183 FC3 .0623 BSP 9716
 BDE19.3344 BRA 3.8090 BC3 .3084 FSP -177

MID-COURSE EXECUTION ACCURACY

SGT 1630.5 SGR 3680.7 SG3 72.1
 RRT -.9146 RRF .9997 RTF -.9209
 SGB 4025.7 R23 -.0475 R13 .9987
 SG1 3979.3 SG2 609.7 TMA 112.62

ORBIT DETERMINATION ACCURACY

ST 1387.3 SR 3104.0 SS 2500.4
 CRT -.9893 CRS-1.0000 CST .9902
 LSA 4216.1 MSA 188.3 SSA 1.7
 EL1 3394.9 EL2 184.8 ALF 113.93

LAUNCH DATE MAY 8 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 425.382

RL 150.98 LAL -.00 LOL 226.73 VL 27.157 GAL 3.67 AZL 59.19 MCA 183.02 SMA 130.05 ECC .17294 INC30.8092 VI 29.510
 RP 108.10 LAP -1.55 LOP 49.32 VP 37.879 GAP -2.20 A7P 120.77 TAL 161.95 TAP 344.97 RCA 107.56 APO 152.54 V2 35.056
 RC 74.652 GL 65.35 GP -79.77 ZAL 85.02 ZAP 86.73 ETS 144.31 ZAE 87.39 ETE 36.07 ZAC 95.80 ETC 106.89 CLP 71.29

PLANETOCENTRIC CONIC

C3 233.262 VML 15.273 OLA 66.91 RAL 204.57 RAD 6571.4 VEL 18.830 PTH 3.07 VMP 21.395 DPA -74.45 RAP 82.82 ECC 4.8389
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 26.45 22 49 19 4943.95 -7.57 242.28 111.34 23.30 24 11 43 4344.0 -14.90 239.43
 153.55 9 5 15 3211.98 -7.56 96.07 111.32 23.30 9 58 47 2612.0 -14.89 93.22
 26.45 22 49 19 4943.95 -7.57 242.28 111.34 23.30 24 11 43 4344.0 -14.90 239.43
 153.55 9 5 15 3211.98 -7.56 96.07 111.32 23.30 9 58 47 2612.0 -14.89 93.22
 26.45 22 49 19 4943.95 -7.57 242.28 111.34 23.30 24 11 43 4344.0 -14.90 239.43
 153.55 9 5 15 3211.98 -7.56 96.07 111.32 23.30 9 58 47 2612.0 -14.89 93.22

DIFFERENTIAL CORRECTIONS

TDE -.1275 TRA-3.5556 TC3 -.1674 BAU .6930
 ROE 1.9243 RRA-3.2248 RC3 -.1461 FAU-.01334
 FDE -.3199 FRA 1.1389 FC3 .0495 BSP 13996
 BDE 1.9286 BRA 4.8002 BC3 .2222 FSP -294

MID-COURSE EXECUTION ACCURACY

SGT 3440.4 SGR 3199.9 SG3 95.6
 RRT -.9710 RRF -.9929 RTF -.9924
 SGB 4698.5 R23 -.0109 R13 -.9999
 SG1 4664.4 SG2 564.5 TMA 42.86

ORBIT DETERMINATION ACCURACY

ST 1021.8 SR 1173.9 SS 643.8
 CRT .7589 CRS .9522 CST .9216
 LSA 1597.1 MSA 534.4 SSA .5
 EL1 1461.7 EL2 534.4 ALF 50.20

LAUNCH DATE MAY 8 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 431.516

RL 150.98 LAL -.00 LOL 226.73 VL 27.170 GAL 3.71 AZL 76.65 MCA 185.96 SMA 130.14 ECC .17248 INC13.3468 VI 29.510
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.901 GAP -1.81 A7P 103.28 TAL 161.66 TAP 347.62 RCA 107.69 APO 152.58 V2 35.069
 RC 76.795 GL 61.45 GP -81.48 ZAL 79.09 ZAP 84.87 ETS 33.03 ZAE 103.25 ETE 287.48 ZAC 103.44 ETC 2.53 CLP -52.88

PLANETOCENTRIC CONIC

C3 50.773 VML 7.126 OLA 60.55 RAL 203.99 RAD 6568.9 VEL 13.120 PTH 2.40 VMP 10.803 DPA -63.13 RAP 116.95 ECC 1.8356
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 33.96 23 4 41 4605.34 -25.24 227.06 98.56 32.93 24 21 27 4005.3 -31.86 222.37
 146.04 8 45 14 2931.21 -25.23 89.50 98.55 32.93 9 34 5 2331.2 -31.85 84.80
 33.96 23 4 41 4605.34 -25.24 227.06 98.56 32.93 24 21 27 4005.3 -31.86 222.37
 146.04 8 45 14 2931.21 -25.23 89.50 98.55 32.93 9 34 5 2331.2 -31.85 84.80
 33.96 23 4 41 4605.34 -25.24 227.06 98.56 32.93 24 21 27 4005.3 -31.86 222.37
 146.04 8 45 14 2931.21 -25.23 89.50 98.55 32.93 9 34 5 2331.2 -31.85 84.80

DIFFERENTIAL CORRECTIONS

TDE .8976 TRA -.7028 TC3 .0202 BAU .2779
 ROE -.3798 RRA 2.7941 RC3 -.4089 FAU .01262
 FDE -.3370 FRA 1.3254 FC3 -.2152 BSP 14667
 BDE .9747 BRA 2.8811 BC3 .4094 FSP -599

MID-COURSE EXECUTION ACCURACY

SGT 1357.4 SGR 4616.0 SG3 190.6
 RRT -.8758 RRF .9983 RTF -.9002
 SGB 4811.4 R23 .0187 R13 .9995
 SG1 4769.5 SG2 634.0 TMA 104.71

ORBIT DETERMINATION ACCURACY

ST 799.9 SR 1404.4 SS 657.6
 CRT -.6169 CRS -.9846 CST .7449
 LSA 1643.1 MSA 587.2 SSA 1.4
 EL1 1505.8 EL2 587.2 ALF 113.06

LAUNCH DATE MAY 8 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 437.845

RL 150.98 LAL -.00 LOL 226.73 VL 27.180 GAL 3.73 AZL 82.40 MCA 189.09 SMA 130.21 ECC .17203 INC 7.6026 VI 29.510
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.920 GAP -1.38 A7P 97.51 TAL 161.49 TAP 350.58 RCA 107.81 APO 152.61 V2 35.082
 RC 78.958 GL 50.53 GP -72.06 ZAL 73.01 ZAP 84.70 ETS 17.17 ZAE 112.93 ETE 273.54 ZAC 107.28 ETC 353.32 CLP -72.56

PLANETOCENTRIC CONIC

C3 21.606 VML 4.648 OLA 51.03 RAL 193.56 RAD 6567.9 VEL 11.958 PTH 2.13 VMP 7.388 DPA -54.48 RAP 126.92 ECC 1.3556
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 45.59 22 55 29 4324.54 -32.59 204.42 72.44 48.28 24 7 34 3724.5 -37.69 197.30
 134.41 7 31 12 2785.29 -32.57 82.54 72.43 48.27 8 17 37 2185.3 -37.68 75.42
 45.59 22 55 29 4324.54 -32.59 204.42 72.44 48.28 24 7 34 3724.5 -37.69 197.30
 134.41 7 31 12 2785.29 -32.57 82.54 72.43 48.27 8 17 37 2185.3 -37.68 75.42
 45.59 22 55 29 4324.54 -32.59 204.42 72.44 48.28 24 7 34 3724.5 -37.69 197.30
 134.41 7 31 12 2785.29 -32.57 82.54 72.43 48.27 8 17 37 2185.3 -37.68 75.42

DIFFERENTIAL CORRECTIONS

TDE .4348 TRA -.0458 TC3 -.1874 BAU .4310
 ROE -.0584 RRA 2.2835 RC3-1.4804 FAU .03302
 FDE -.1374 FRA 1.8786 FC3-1.3233 BSP 14659
 BDE .4387 BRA 2.2839 BC3 1.4922 FSP -1073

MID-COURSE EXECUTION ACCURACY

SGT 570.6 SGR 4683.2 SG3 335.8
 RRT -.0750 RRF .9993 RTF -.0933
 SGB 4717.9 R23 .0173 R13 .9993
 SG1 4683.4 SG2 569.0 TMA 90.53

ORBIT DETERMINATION ACCURACY

ST 536.6 SR 1345.3 SS 713.8
 CRT -.1033 CRS -.9951 CST .2005
 LSA 1523.4 MSA 535.4 SSA 2.4
 EL1 1346.7 EL2 533.2 ALF 92.80

LAUNCH DATE MAY 8 1967 FLIGHT TIME 166.00 ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC
 RL 150.98 LAL -.00 LOL 226.73 VL 27.187 GAL 3.76 AZL 85.20 MCA 192.27 SMA 130.26 ECC .17177 INC 4.7959 V1 29.510
 RP 107.98 LAP -1.02 LOP 58.95 VP 37.937 GAP -.94 AZP 94.69 TAL 161.33 TAP 353.59 RCA 107.88 APO 152.63 V2 35.094
 RC 81.139 GL 38.73 GP -64.39 ZAL 67.79 ZAP 86.10 ETS 9.20 ZAE 120.28 ETE 266.44 ZAC 110.30 ETC 351.49 CLP -80.94

PLANETOCENTRIC CONIC
 C3 13.143 VHL 3.625 DLA 40.58 RAL 185.47 RAD 6567.5 VEL 11.599 PTH 2.03 VHP 5.800 DPA -47.16 RAP 131.65 ECC 1.2163
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.62 23 15 38 4075.00 -30.66 179.66 51.69 61.99 24 23 33 3475.0 -34.14 171.54
 120.38 6 6 30 2806.64 -30.65 179.66 51.69 61.99 24 23 33 3475.0 -34.14 171.54
 59.62 23 15 38 4075.00 -30.66 179.66 51.69 61.99 24 23 33 3475.0 -34.13 74.82
 120.38 6 6 30 2806.64 -30.65 179.66 51.69 61.99 24 23 33 3475.0 -34.14 171.54
 59.62 23 15 38 4075.00 -30.66 179.66 51.69 61.99 24 23 33 3475.0 -34.13 74.82
 120.38 6 6 30 2806.64 -30.65 179.66 51.69 61.99 24 23 33 3475.0 -34.14 171.54

MID-COURSE EXECUTION ACCURACY
 SGT 769.7 SGR 4510.0 SG3 506.3
 RRT .7239 RRF .9992 RTF .7164
 SGB 4575.2 R23 .0246 R13 .9990
 SGI 4544.8 SG2 527.0 TMA 82.86

ORBIT DETERMINATION ACCURACY
 ST 460.3 SR 1235.1 SS 802.2
 CRT .2111 CRS -.9946 CST -.1085
 LSA 1473.7 MSA 457.3 SSA 3.5
 EL1 1239.5 EL2 448.3 ALF 84.82

DIFFERENTIAL CORRECTIONS
 TOE .2811 TRA .1914 TC3 -.6707 BAU .4662
 ROE -.0399 RRA 1.9737 RC3-2.5674 FAU .05356
 FDE -.1566 FRA 2.5304 FC3-3.5280 BSP 14225
 BDE .2839 BRA 1.9830 BC3 2.6536 FSP -1620

LAUNCH DATE MAY 8 1967 FLIGHT TIME 168.00 ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC
 RL 150.98 LAL -.00 LOL 226.73 VL 27.192 GAL 3.79 AZL 86.87 MCA 195.46 SMA 130.29 ECC .17173 INC 3.1316 V1 29.510
 RP 107.94 LAP -.83 LOP 62.17 VP 37.952 GAP -.50 AZP 93.02 TAL 161.14 TAP 356.60 RCA 107.92 APO 152.67 V2 35.107
 RC 83.336 GL 28.02 GP -57.89 ZAL 63.92 ZAP 88.74 ETS 3.21 ZAE 126.11 ETE 259.98 ZAC 113.07 ETC 351.06 CLP -87.63

PLANETOCENTRIC CONIC
 C3 9.957 VHL 3.156 DLA 30.82 RAL 179.94 RAD 6567.4 VEL 11.461 PTH 1.99 VHP 4.923 DPA -40.69 RAP 134.09 ECC 1.1639
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.29 0 39 36 3709.27 -24.99 148.02 38.59 71.35 1 41 26 3109.3 -27.30 139.90
 102.71 4 2 23 3057.07 -24.98 99.91 38.58 71.33 4 53 20 2457.1 -27.30 91.79
 77.29 0 39 36 3709.27 -24.99 148.02 38.59 71.35 1 41 26 3109.3 -27.30 139.90
 102.71 4 2 23 3057.07 -24.98 99.91 38.58 71.33 4 53 20 2457.1 -27.30 91.79
 110.00 6 44 26 2551.38 -33.56 63.63 40.81 83.11 7 26 57 1951.4 -34.15 54.44
 110.00 2 56 45 3262.96 -16.97 111.62 34.70 59.87 3 51 8 2663.0 -20.85 104.64

MID-COURSE EXECUTION ACCURACY
 SGT 1187.3 SGR 4256.7 SG3 678.1
 RRT .9037 RRF .9991 RTF .8997
 SGB 4419.2 R23 .0359 R13 .9985
 SGI 4391.6 SG2 492.8 TMA 75.67

ORBIT DETERMINATION ACCURACY
 ST 388.5 SR 1140.2 SS 911.5
 CRT .4180 CRS -.9922 CST -.3016
 LSA 1464.7 MSA 369.4 SSA 5.1
 EL1 1152.9 EL2 349.1 ALF 81.07

DIFFERENTIAL CORRECTIONS
 TOE .1700 TRA .3700 TC3-1.3281 BAU .4741
 ROE -.1376 RRA 1.7511 RC3-3.3045 FAU .07310
 FDE -.4001 FRA 3.1723 FC3-6.3557 BSP 13743
 BDE .2187 BRA 1.7897 BC3 3.5614 FSP -2179

LAUNCH DATE MAY 8 1967 FLIGHT TIME 170.00 ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC
 RL 150.98 LAL -.00 LOL 226.73 VL 27.194 GAL 3.84 AZL 87.97 MCA 198.66 SMA 130.31 ECC .17191 INC 2.0259 V1 29.510
 RP 107.91 LAP -.65 LOP 65.38 VP 37.965 GAP -.06 AZP 91.92 TAL 160.92 TAP 359.58 RCA 107.91 APO 152.71 V2 35.119
 RC 85.546 GL 19.06 GP -52.23 ZAL 61.32 ZAP 92.30 ETS 358.35 ZAE 130.66 ETE 253.22 ZAC 115.70 ETC 351.19 CLP -93.75

PLANETOCENTRIC CONIC
 C3 8.625 VHL 2.937 DLA 22.50 RAL 176.18 RAD 6567.3 VEL 11.402 PTH 1.97 VHP 4.396 DPA -34.86 RAP 135.31 ECC 1.1420
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 44 35 2823.31 -28.25 83.53 31.80 91.96 5 31 38 2223.3 -27.68 74.91
 90.00 23 23 29 3887.21 -9.88 154.35 27.56 63.33 24 28 16 3287.2 -13.39 147.42
 100.00 6 22 26 2507.77 -29.63 60.23 31.72 94.15 7 4 14 1907.8 -28.74 51.54
 100.00 0 32 14 3677.98 -8.66 138.33 26.91 61.28 1 33 32 3078.0 -12.43 131.56
 110.00 8 4 40 2187.93 -32.95 35.47 31.25 99.65 8 41 8 1587.9 -31.27 26.65
 110.00 1 6 30 3570.59 -5.80 128.44 25.16 56.25 2 6 0 2970.6 -10.19 122.10

MID-COURSE EXECUTION ACCURACY
 SGT 1642.5 SGR 3957.6 SG3 833.8
 RRT .9531 RRF .9989 RTF .9503
 SGB 4284.9 R23 .0491 R13 .9977
 SGI 4260.0 SG2 461.7 TMA 68.15

ORBIT DETERMINATION ACCURACY
 ST 357.2 SR 1101.4 SS 1076.4
 CRT .7280 CRS -.9909 CST -.6297
 LSA 1556.2 MSA 278.0 SSA 7.1
 EL1 1135.1 EL2 238.0 ALF 76.09

DIFFERENTIAL CORRECTIONS
 TOE .0564 TRA .5334 TC3-2.0266 BAU .4762
 ROE -.2412 RRA 1.5688 RC3-3.5984 FAU .09019
 FDE -.7912 FRA 3.7431 FC3-9.0525 BSP 13309
 BDE .2477 BRA 1.6570 BC3 4.1298 FSP -2694

LAUNCH DATE MAY 8 1967 FLIGHT TIME 172.00 ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC
 RL 150.98 LAL -.00 LOL 226.73 VL 27.194 GAL 3.90 AZL 88.77 MCA 201.88 SMA 130.31 ECC .17230 INC 1.2346 V1 29.510
 RP 107.87 LAP -.46 LOP 68.60 VP 37.976 GAP .37 AZP 91.15 TAL 160.66 TAP 2.54 RCA 107.85 APO 152.76 V2 35.131
 RC 87.767 GL 11.87 GP -47.19 ZAL 59.64 ZAP 96.46 ETS 354.38 ZAE 134.07 ETE 246.05 ZAC 118.20 ETC 351.70 CLP -99.53

PLANETOCENTRIC CONIC
 C3 8.085 VHL 2.843 DLA 15.71 RAL 173.59 RAD 6567.3 VEL 11.379 PTH 1.97 VHP 4.069 DPA -29.58 RAP 135.85 ECC 1.1331
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 49 11 2532.26 -25.80 62.64 25.90 102.10 6 31 24 1932.3 -23.87 54.50
 90.00 21 58 12 4153.99 -1.45 169.41 22.36 61.72 23 7 26 3554.0 -5.22 162.76
 100.00 7 19 12 2242.00 -26.77 41.04 25.65 103.83 7 56 34 1642.0 -24.60 32.91
 100.00 23 10 53 3919.48 -.57 151.69 21.88 60.11 24 16 12 3319.5 -4.55 145.16
 110.00 8 46 42 1968.22 -29.29 19.42 24.82 108.46 9 19 30 1368.2 -26.49 11.36
 110.00 0 3 48 3766.03 1.65 138.66 20.49 55.85 1 6 34 3166.0 -2.84 132.45

MID-COURSE EXECUTION ACCURACY
 SGT 2102.2 SGR 3633.2 SG3 961.7
 RRT .9718 RRF .9985 RTF .9694
 SGB 4197.5 R23 .0624 R13 .9965
 SGI 4175.3 SG2 431.6 TMA 60.30

ORBIT DETERMINATION ACCURACY
 ST 456.9 SR 1096.5 SS 1285.7
 CRT .9478 CRS -.9912 CST -.8975
 LSA 1738.3 MSA 205.2 SSA 9.7
 EL1 1180.1 EL2 135.4 ALF 68.15

DIFFERENTIAL CORRECTIONS
 TOE -.0680 TRA .6903 TC3-2.6743 BAU .4803
 ROE -.3195 RRA 1.4103 RC3-3.5483 FAU .10377
 FDE -1.2506 FRA 4.2090 FC-11.1110 BSP 13000
 BDE .3266 BRA 1.5701 BC3 4.4433 FSP -3127

LAUNCH DATE MAY 8 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 29 1967

MELIOCENTRIC CONIC
 RL 150.98 LAL -.00 LOL 226.73 VL 27.192 GAL 3.97 AZL 89.36 MCA 205.09 SMA 130.29 ECC .17292 INC .6369 VI 29.510
 RP 107.83 LAP -.27 LOP 71.82 VP 37.985 GAP .80 AZP 90.58 TAL 160.37 TAP 5.46 RCA 107.76 APO 152.82 V2 35.143
 RC 89.996 GL 6.15 GP -42.67 ZAL 58.50 ZAP 100.98 ETS 351.17 ZAE 136.40 ETE 238.64 ZAC 120.51 ETC 352.54 CLP-105.02

PLANETOCENTRIC CONIC
 C3 7.934 VML 2.817 DLA 10.23 RAL 171.80 RAD 6567.3 VEL 11.372 PTH 1.96 VMP 3.870 DPA -24.79 RAP 136.00 ECC 1.1306
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 29 30 2340.55 -22.41 49.62 22.18 107.77 7 8 30 1740.5 -19.77 41.94
 90.00 21 3 38 4338.70 4.50 179.73 19.77 62.01 22 15 56 3738.7 .72 173.09
 100.00 7 55 55 2061.85 -23.25 28.82 21.88 109.34 8 30 16 1461.8 -20.40 21.18
 100.00 22 19 54 4092.63 5.28 161.21 19.34 60.53 23 28 7 3492.6 1.31 154.67
 110.00 9 15 40 1812.26 -25.47 8.91 20.92 113.61 9 45 53 1212.3 -22.05 1.42
 110.00 23 16 38 3914.99 7.31 146.48 18.09 56.51 24 21 53 3315.0 2.85 140.23

DIFFERENTIAL CORRECTIONS
 TOE -.2022 TRA .8425 TC3-3.2275 BAU .4893
 RDE -.3673 RRA 1.2679 RC3-3.2969 FAU .11339
 FDE -1.7124 FRA 4.5510 FC-12.3734 BSP 12877
 BDE .4193 BRA 1.5223 BC3 4.6137 FSP -3454

MID-COURSE EXECUTION ACCURACY
 SGT 2551.0 SGR 3297.9 SG3 1055.4
 RRT .9804 RRF .9980 RTF .9784
 SGB 4169.4 R23 .0737 R13 .9952
 SG1 4150.2 SG2 399.4 TMA 52.42

ORBIT DETERMINATION ACCURACY
 ST 667.1 SR 1086.1 SS 1500.8
 CRT .9952 CRS -.9916 CST -.9747
 LSA 1962.4 MSA 160.3 SSA 12.4
 EL1 1273.4 EL2 55.5 ALF 58.50

LAUNCH DATE MAY 8 1967

FLIGHT TIME 176.00

ARRIVAL DATE OCT 31 1967

MELIOCENTRIC CONIC
 RL 150.98 LAL -.00 LOL 226.73 VL 27.188 GAL 4.06 AZL 89.83 MCA 208.31 SMA 130.26 ECC .17374 INC .1657 VI 29.510
 RP 107.80 LAP -.08 LOP 75.04 VP 37.993 GAP 1.23 AZP 90.15 TAL 160.03 TAP 8.34 RCA 107.63 APO 152.89 V2 35.154
 RC 92.232 GL 1.61 GP -38.60 ZAL 57.67 ZAP 105.65 ETS 348.60 ZAE 137.75 ETE 231.30 ZAC 122.57 ETC 353.66 CLP-110.19

PLANETOCENTRIC CONIC
 C3 7.996 VML 2.828 DLA 5.80 RAL 170.59 RAD 6567.3 VEL 11.375 PTH 1.96 VMP 3.760 DPA -20.46 RAP 135.97 ECC 1.1316
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 59 20 2199.81 -19.21 40.55 20.00 111.21 7 36 0 1599.8 -16.15 33.20
 90.00 20 24 6 4482.32 9.02 187.86 18.59 63.04 21 38 48 3882.3 5.33 181.13
 100.00 8 23 26 1928.58 -19.99 20.27 19.66 112.70 8 55 34 1328.6 -16.74 12.98
 100.00 21 42 41 4228.77 9.77 168.82 18.20 61.61 22 53 10 3628.8 5.90 162.17
 110.00 9 37 58 1695.32 -22.07 1.53 18.64 116.79 10 6 13 1095.3 -18.30 354.43
 110.00 22 44 39 4034.81 11.74 152.92 17.02 57.66 23 51 53 3434.8 7.39 146.53

DIFFERENTIAL CORRECTIONS
 TOE -.3427 TRA .9922 TC3-3.6694 BAU .5026
 RDE -.3866 RRA 1.1424 RC3-2.9390 FAU .11849
 FDE -2.1234 FRA 4.7804 FC-12.8298 BSP 12894
 BDE .5167 BRA 1.5131 BC3 4.7013 FSP -3648

MID-COURSE EXECUTION ACCURACY
 SGT 2978.6 SGR 2964.8 SG3 1113.0
 RRT .9846 RRF .9971 RTF .9830
 SGB 4202.6 R23 .0809 R13 .9939
 SG1 4186.4 SG2 368.8 TMA 44.86

ORBIT DETERMINATION ACCURACY
 ST 923.9 SR 1050.5 SS 1690.9
 CRT .9998 CRS -.9914 CST -.9924
 LSA 2190.2 MSA 137.6 SSA 14.5
 EL1 1398.9 EL2 15.5 ALF 48.67

LAUNCH DATE MAY 8 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 2 1967

MELIOCENTRIC CONIC
 RL 150.98 LAL -.00 LOL 226.73 VL 27.181 GAL 4.16 AZL 90.21 MCA 211.54 SMA 130.22 ECC .17478 INC .2133 VI 29.510
 RP 107.77 LAP .11 LOP 78.27 VP 37.998 GAP 1.66 AZP 89.82 TAL 159.66 TAP 11.19 RCA 107.46 APO 152.98 V2 35.165
 RC 94.474 GL -2.03 GP -34.94 ZAL 56.99 ZAP 110.31 ETS 346.58 ZAE 138.27 ETE 224.37 ZAC 124.33 ETC 355.02 CLP-115.05

PLANETOCENTRIC CONIC
 C3 8.189 VML 2.862 DLA 2.19 RAL 169.80 RAD 6567.3 VEL 11.383 PTH 1.97 VMP 3.714 DPA -16.57 RAP 135.90 ECC 1.1348
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 23 19 2091.39 -16.40 33.83 18.84 113.41 7 58 10 1491.4 -13.09 26.71
 90.00 19 53 50 4599.61 12.56 194.66 18.29 64.41 21 10 29 3999.6 9.01 187.78
 100.00 8 45 40 1825.72 -17.16 13.94 18.48 114.86 9 16 6 1225.7 -13.67 6.89
 100.00 21 14 9 4340.51 13.31 175.23 17.91 62.99 22 26 30 3740.5 9.58 168.42
 110.00 9 56 16 1604.79 -19.19 356.08 17.40 118.85 10 23 0 1004.8 -15.20 349.24
 110.00 22 20 3 4134.20 15.30 158.43 16.78 59.05 23 28 57 3534.2 11.08 151.87

DIFFERENTIAL CORRECTIONS
 TOE -.4894 TRA 1.1362 TC3-4.0169 BAU .5221
 RDE -.3882 RRA 1.0280 RC3-2.5709 FAU .12045
 FDE -2.4782 FRA 4.8894 FC-12.7334 BSP 13181
 BDE .6247 BRA 1.5322 BC3 4.7692 FSP -3758

MID-COURSE EXECUTION ACCURACY
 SGT 3380.5 SGR 2648.0 SG3 1138.7
 RRT .9868 RRF .9960 RTF .9857
 SGB 4294.1 R23 .0825 R13 .9927
 SG1 4280.8 SG2 338.6 TMA 37.98

ORBIT DETERMINATION ACCURACY
 ST 1196.4 SR 993.9 SS 1852.0
 CRT .9979 CRS -.9906 CST -.9971
 LSA 2415.0 MSA 128.4 SSA 15.7
 EL1 1554.6 EL2 49.1 ALF 39.71

LAUNCH DATE MAY 8 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 4 1967

MELIOCENTRIC CONIC
 RL 150.98 LAL -.00 LOL 226.73 VL 27.174 GAL 4.27 AZL 90.53 MCA 214.76 SMA 130.17 ECC .17602 INC .5307 VI 29.510
 RP 107.73 LAP .30 LOP 81.50 VP 38.003 GAP 2.08 AZP 89.56 TAL 159.24 TAP 14.01 RCA 107.25 APO 153.08 V2 35.175
 RC 96.719 GL -4.95 GP -31.65 ZAL 56.36 ZAP 114.86 ETS 345.01 ZAE 138.13 ETE 218.11 ZAC 125.75 ETC 356.55 CLP-119.59

PLANETOCENTRIC CONIC
 C3 8.472 VML 2.911 DLA -.79 RAL 169.34 RAD 6567.3 VEL 11.396 PTH 1.97 VMP 3.718 DPA -13.11 RAP 135.86 ECC 1.1394
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 43 35 2005.34 -14.00 28.65 18.38 114.87 8 17 1 1405.3 -10.54 21.69
 90.00 19 29 54 4698.41 15.39 200.54 18.58 65.93 20 48 12 4098.4 12.01 193.49
 100.00 9 4 34 1744.14 -14.76 9.07 18.01 116.29 9 33 38 1144.1 -11.11 2.18
 100.00 20 51 36 4434.85 16.15 180.79 18.22 64.50 22 5-31 3834.8 12.59 173.81
 110.00 10 11 58 1533.15 -16.79 351.92 16.88 120.22 10 37 31 933.2 -12.65 345.26
 110.00 22 0 41 4218.59 18.19 163.27 17.11 60.55 23 11 0 3618.6 14.13 156.50

DIFFERENTIAL CORRECTIONS
 TOE -.6379 TRA 1.2771 TC3-4.2707 BAU .5449
 RDE -.3743 RRA .9271 RC3-2.2145 FAU .11924
 FDE -2.7521 FRA 4.9076 FC-12.1844 BSP 13614
 BDE .7396 BRA 1.5781 BC3 4.8107 FSP -3773

MID-COURSE EXECUTION ACCURACY
 SGT 3752.2 SGR 2352.8 SG3 1136.4
 RRT .9876 RRF .9942 RTF .9873
 SGB 4428.8 R23 .0782 R13 .9918
 SG1 4417.7 SG2 313.6 TMA 31.95

ORBIT DETERMINATION ACCURACY
 ST 1466.7 SR 918.7 SS 1974.9
 CRT .9952 CRS -.9891 CST -.9986
 LSA 2622.8 MSA 126.5 SSA 16.1
 EL1 1729.0 EL2 76.7 ALF 32.01

LAUNCH DATE MAY 8 1967 FLIGHT TIME 182.00 ARRIVAL DATE NOV 6 1967

DISTANCE 494.687

HELIOCENTRIC CONIC
 RL 150.98 LAL -.00 LOL 226.73 VL 27.164 GAL 4.40 AZL 90.80 MCA 217.99 SMA 130.10 ECC .17748 INC .8005 V1 29.510
 RP 107.70 LAP .49 LOP 84.72 VP 38.005 GAP 2.51 AZP 89.37 TAL 158.79 TAP 16.78 RCA 107.01 APO 153.19 V2 35.185
 RC 98.967 GL -7.32 GP -28.71 ZAL 55.73 ZAP 119.21 ETS 343.78 ZAE 137.51 ETE 212.64 ZAC 126.81 ETC 358.18 CLP-123.81

PLANETOCENTRIC CONIC
 C3 8.825 VML 2.971 DLA -3.29 RAL 169.14 RAD 6567.3 VEL 11.411 PTH 1.98 VMP 3.761 DPA -10.05 RAP 135.91 ECC 1.1452
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 1 21 1935.65 -11.97 24.54 18.43 115.85 8 33 36 1335.6 -8.40 17.69
 90.00 19 10 34 4783.58 17.68 205.74 19.30 67.51 20 30 18 4183.6 14.48 198.53
 100.00 9 21 9 1678.20 -12.74 5.22 18.04 117.27 9 49 7 1078.2 -8.99 358.44
 100.00 20 33 27 4516.26 18.47 185.72 18.94 66.07 21 48 43 3916.3 15.08 178.57
 110.00 10 25 52 1475.58 -14.78 348.66 16.86 121.18 10 50 28 875.6 -10.55 342.12
 110.00 21 45 13 4291.64 20.58 167.59 17.85 62.08 22 56 45 3691.6 16.68 160.63

DIFFERENTIAL CORRECTIONS
 TOE -.7869 TRA 1.4153 TC3-4.4440 BAU .5698
 RDE -.3501 RRA .8388 RC3-1.8910 FAU .11568
 FDE-2.9471 FRA 4.8546 FC-11.3480 BSP 14162
 BOE .8613 BRA 1.6452 BC3 4.8296 FSP -3715

MID-COURSE EXECUTION ACCURACY
 SGT 4092.8 SGR 2084.2 SG3 1112.3
 RRT .9873 RRF .9918 RTF .9883
 SGB 4592.9 R23 .0686 R13 .9911
 SG1 4583.4 SG2 295.8 THA 26.81

ORBIT DETERMINATION ACCURACY
 ST 1727.1 SR 832.7 SS 2062.0
 CRT .9918 CRS -.9863 CST -.9993
 LSA 2812.7 MSA 128.0 SSA 16.2
 EL1 1914.9 EL2 96.3 ALF 25.62

LAUNCH DATE MAY 8 1967 FLIGHT TIME 184.00 ARRIVAL DATE NOV 8 1967

DISTANCE 500.914

HELIOCENTRIC CONIC
 RL 150.98 LAL -.00 LOL 226.73 VL 27.154 GAL 4.54 AZL 91.03 MCA 221.23 SMA 130.03 ECC .17914 INC 1.0339 V1 29.510
 RP 107.67 LAP .68 LOP 87.95 VP 38.006 GAP 2.93 AZP 89.22 TAL 158.30 TAP 19.53 RCA 106.73 APO 153.32 V2 35.195
 RC 101.218 GL -9.25 GP -26.10 ZAL 55.08 ZAP 123.33 ETS 342.83 ZAE 136.57 ETE 207.99 ZAC 127.53 ETC 359.83 CLP-127.72

PLANETOCENTRIC CONIC
 C3 9.236 VML 3.039 DLA -5.40 RAL 169.16 RAD 6567.3 VEL 11.429 PTH 1.98 VMP 3.835 DPA -7.38 RAP 136.09 ECC 1.1520
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 17 17 1878.41 -10.25 21.22 18.87 116.54 8 48 36 1278.4 -6.60 14.43
 90.00 18 54 47 4858.35 19.56 210.42 20.33 69.11 20 15 45 4258.4 16.55 203.04
 100.00 9 36 5 1624.23 -11.04 2.11 18.46 117.96 10 3 9 1024.2 -7.21 355.41
 100.00 20 18 40 4587.77 20.39 190.17 19.98 67.65 21 35 8 3987.8 17.18 182.85
 110.00 10 38 30 1428.84 -13.12 346.06 17.23 121.85 11 2 18 828.8 -8.82 339.61
 110.00 21 32 45 4355.92 22.58 171.50 18.91 63.62 22 45 21 3755.9 18.85 164.35

DIFFERENTIAL CORRECTIONS
 TOE -.9349 TRA 1.5528 TC3-4.5467 BAU .5954
 RDE -.3194 RRA .7629 RC3-1.6064 FAU .11034
 FDE-3.0701 FRA 4.7553 FC-10.3432 BSP 14769
 BOE .9880 BRA 1.7301 BC3 4.8221 FSP -3599

MID-COURSE EXECUTION ACCURACY
 SGT 4403.5 SGR 1844.7 SG3 1072.6
 RRT .9858 RRF .9883 RTF .9888
 SGB 4774.3 R23 .0559 R13 .9905
 SG1 4765.7 SG2 286.4 THA 22.52

ORBIT DETERMINATION ACCURACY
 ST 1972.8 SR 742.5 SS 2117.4
 CRT .9873 CRS -.9825 CST -.9995
 LSA 2984.8 MSA 131.2 SSA 16.2
 EL1 2105.0 EL2 110.7 ALF 20.44

LAUNCH DATE MAY 8 1967 FLIGHT TIME 186.00 ARRIVAL DATE NOV 10 1967

DISTANCE 507.118

HELIOCENTRIC CONIC
 RL 150.98 LAL -.00 LOL 226.73 VL 27.141 GAL 4.70 AZL 91.24 MCA 224.46 SMA 129.94 ECC .18102 INC 1.2394 V1 29.510
 RP 107.65 LAP .87 LOP 91.18 VP 38.006 GAP 3.36 AZP 89.12 TAL 157.78 TAP 22.24 RCA 106.42 APO 153.46 V2 35.204
 RC 103.470 GL -10.83 GP -23.78 ZAL 54.39 ZAP 127.19 ETS 342.09 ZAE 135.44 ETE 204.11 ZAC 127.92 ETC 1.45 CLP-131.34

PLANETOCENTRIC CONIC
 C3 9.702 VML 3.115 DLA -7.20 RAL 169.36 RAD 6567.4 VEL 11.449 PTH 1.99 VMP 3.935 DPA -5.06 RAP 136.41 ECC 1.1597
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 31 53 1830.99 -8.79 18.49 19.60 117.02 9 2 24 1231.0 -5.10 11.76
 90.00 18 41 45 4925.03 21.12 214.69 21.61 70.69 20 3 50 4325.0 18.30 207.15
 100.00 9 49 47 1579.70 -9.60 359.58 19.17 118.44 10 16 7 979.7 -5.73 352.94
 100.00 20 6 33 4651.56 21.98 194.24 21.27 69.22 21 24 4 4051.6 18.96 186.75
 110.00 10 50 9 1390.69 -11.74 343.97 17.90 122.34 11 13 19 790.7 -7.39 337.57
 110.00 21 22 40 4413.33 24.27 175.11 20.23 65.15 22 36 14 3813.3 20.71 167.76

DIFFERENTIAL CORRECTIONS
 TOE -1.0791 TRA 1.6924 TC3-4.5811 BAU .6197
 RDE -.2840 RRA .6987 RC3-1.3580 FAU .10357
 FDE-3.1245 FRA 4.6306 FC3-9.2420 BSP 15348
 BOE 1.1158 BRA 1.8309 BC3 4.7782 FSP -3428

MID-COURSE EXECUTION ACCURACY
 SGT 4683.0 SGR 1633.1 SG3 1021.9
 RRT .9828 RRF .9835 RTF .9890
 SGB 4959.6 R23 .0425 R13 .9900
 SG1 4951.4 SG2 285.0 THA 18.98

ORBIT DETERMINATION ACCURACY
 ST 2198.5 SR 651.7 SS 2142.3
 CRT .9807 CRS -.9762 CST -.9997
 LSA 3135.1 MSA 135.5 SSA 16.2
 EL1 2289.8 EL2 122.2 ALF 16.26

LAUNCH DATE MAY 8 1967 FLIGHT TIME 188.00 ARRIVAL DATE NOV 12 1967

DISTANCE 513.300

HELIOCENTRIC CONIC
 RL 150.98 LAL -.00 LOL 226.73 VL 27.128 GAL 4.88 AZL 91.42 MCA 227.70 SMA 129.85 ECC .18312 INC 1.4223 V1 29.510
 RP 107.62 LAP 1.05 LOP 94.42 VP 38.004 GAP 3.78 AZP 89.04 TAL 157.22 TAP 24.91 RCA 106.07 APO 153.63 V2 35.212
 RC 105.723 GL -12.11 GP -21.73 ZAL 55.65 ZAP 130.79 ETS 341.49 ZAE 134.23 ETE 200.91 ZAC 128.00 ETC 3.00 CLP-134.69

PLANETOCENTRIC CONIC
 C3 10.221 VML 3.197 DLA -8.75 RAL 169.71 RAD 6567.4 VEL 11.472 PTH 1.99 VMP 4.057 DPA -3.06 RAP 136.89 ECC 1.1682
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 45 25 1791.52 -7.57 16.24 20.58 117.37 9 15 17 1191.5 -3.84 9.55
 90.00 18 30 59 4985.26 22.43 218.62 23.10 72.24 19 54 5 4385.3 19.79 210.94
 100.00 10 2 30 1542.84 -8.40 357.51 20.13 118.79 10 28 13 942.8 -4.50 350.90
 100.00 19 56 35 4709.18 23.33 197.99 22.77 70.76 21 15 5 4109.2 20.49 190.34
 110.00 11 1 3 1359.54 -10.60 342.27 18.81 122.69 11 23 42 759.5 -6.22 335.93
 110.00 21 14 32 4465.24 25.71 178.45 21.75 66.65 22 28 58 3865.2 22.33 170.93

DIFFERENTIAL CORRECTIONS
 TOE -1.2232 TRA 1.8306 TC3-4.5751 BAU .6447
 RDE -.2485 RRA .6429 RC3-1.1535 FAU .09667
 FDE-3.1403 FRA 4.4791 FC3-8.1880 BSP 16000
 BOE 1.2482 BRA 1.9403 BC3 4.7183 FSP -3257

MID-COURSE EXECUTION ACCURACY
 SGT 4937.8 SGR 1449.6 SG3 966.2
 RRT .9784 RRF .9769 RTF .9891
 SGB 5146.2 R23 .0285 R13 .9896
 SG1 5138.2 SG2 287.7 THA 16.08

ORBIT DETERMINATION ACCURACY
 ST 2409.4 SR 566.7 SS 2150.3
 CRT .9715 CRS -.9671 CST -.9998
 LSA 3275.7 MSA 139.8 SSA 16.0
 EL1 2471.6 EL2 130.9 ALF 12.91

LAUNCH DATE MAY 8 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 519.459

RL 150.98 LAL -.00 LOL 226.73 VL 27.113 GAL 5.07 AZL 91.59 MCA 230.93 SMA 129.75 ECC .18543 INC 1.5875 V1 29.510
 RP 107.60 LAP 1.23 LOP 97.65 VP 38.000 GAP 4.21 AZP 89.00 TAL 156.62 TAP 27.56 RCA 105.69 APO 153.81 V2 35.220
 RC 107.975 GL -13.16 GP -19.92 ZAL 52.87 ZAP 134.14 ETS 340.99 ZAE 132.99 ETE 198.27 ZAC 127.80 ETC 4.43 CLP-137.79

PLANETOCENTRIC CONIC

C3 10.797 VHL 3.286 OLA -10.10 RAL 170.18 RAD 6567.4 VEL 11.497 PTH 2.00 VMP 4.197 DPA -1.35 RAP 137.52 ECC 1.1777
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 58 7 1758.68 -6.53 14.38 21.77 117.61 9 27 25 1158.7 -2.79 7.71
 90.00 18 22 5 5040.29 23.52 222.28 24.76 73.76 19 46 6 4440.3 21.07 214.47
 100.00 10 14 27 1512.38 -7.40 355.80 21.30 119.04 10 39 40 912.4 -3.47 349.22
 100.00 19 48 26 4761.82 24.46 201.49 24.44 72.26 21 7 48 4161.8 21.81 193.70
 110.00 11 11 20 1334.24 -9.67 340.91 19.92 122.95 11 33 35 734.2 -5.26 334.59
 110.00 21 8 2 4512.72 26.95 181.58 23.45 68.13 22 23 15 3912.7 23.74 173.88

DIFFERENTIAL CORRECTIONS

TOE-1.3650 TRA 1.9716 TC3-4.5266 BAU .6686
 ROE -.2125 RRA .5957 RC3 -.9814 FAU .08950
 FDE-3.1181 FRA 4.3211 FC3-7.1765 BSP 16635
 BDE 1.3814 BRA 2.0597 BC3 4.6318 FSP -3073

MID-COURSE EXECUTION ACCURACY

SGT 5168.1 SGR 1291.0 SG3 907.7
 RRT .9720 RRF .9682 RTF .9890
 SGB 5326.9 R23 .0161 R13 .9893
 SG1 5318.7 SG2 294.6 THA 13.69

ORBIT DETERMINATION ACCURACY

ST 2602.1 SR 487.8 SS 2141.0
 CRT .9576 CRS -.9531 CST -.9998
 LSA 3401.7 MSA 144.3 SSA 15.9
 EL1 2643.8 EL2 138.2 ALF 10.20

LAUNCH DATE MAY 8 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 525.593

RL 150.98 LAL -.00 LOL 226.73 VL 27.097 GAL 5.27 AZL 91.74 MCA 234.17 SMA 129.64 ECC .18797 INC 1.7383 V1 29.510
 RP 107.58 LAP 1.41 LOP 100.89 VP 37.995 GAP 4.65 AZP 88.98 TAL 156.00 TAP 30.17 RCA 105.27 APO 154.01 V2 35.227
 RC 110.226 GL -14.01 GP -18.32 ZAL 52.05 ZAP 137.25 ETS 340.56 ZAE 131.78 ETE 196.10 ZAC 127.37 ETC 5.73 CLP-140.67

PLANETOCENTRIC CONIC

C3 11.432 VHL 3.381 OLA -11.28 RAL 170.77 RAD 6567.4 VEL 11.525 PTH 2.01 VMP 4.354 DPA .09 RAP 138.29 ECC 1.1881
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 10 5 1731.48 -5.67 12.85 23.12 117.79 9 38 57 1131.5 -1.91 6.19
 90.00 18 14 46 5091.04 24.45 225.71 26.57 75.25 19 39 37 4491.0 22.18 217.78
 100.00 10 25 45 1487.37 -6.57 354.41 22.63 119.23 10 50 32 887.4 -2.63 347.84
 100.00 19 41 47 4810.38 25.43 204.77 26.26 73.73 21 1 58 4210.4 22.96 196.85
 110.00 11 21 8 1313.93 -8.91 339.82 21.20 123.14 11 43 2 713.9 -4.49 333.52
 110.00 21 2 54 4556.58 28.03 184.53 25.30 69.58 22 18 50 3956.6 24.99 176.68

DIFFERENTIAL CORRECTIONS

TOE-1.5047 TRA 2.1162 TC3-4.4426 BAU .6909
 ROE -.1771 RRA .5557 RC3 -.8375 FAU .08236
 FDE-3.0692 FRA 4.1624 FC3-6.2372 BSP 17240
 BDE 1.5150 BRA 2.1879 BC3 4.5208 FSP -2885

MID-COURSE EXECUTION ACCURACY

SGT 5375.7 SGR 1154.5 SG3 849.1
 RRT .9632 RRF .9569 RTF .9888
 SGB 5498.3 R23 .0054 R13 .9889
 SG1 5489.9 SG2 303.8 THA 11.72

ORBIT DETERMINATION ACCURACY

ST 2777.2 SR 416.3 SS 2118.7
 CRT .9364 CRS -.9316 CST -.9999
 LSA 3514.6 MSA 148.8 SSA 15.8
 EL1 2804.5 EL2 144.7 ALF 8.01

LAUNCH DATE MAY 8 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 531.702

RL 150.98 LAL -.00 LOL 226.73 VL 27.080 GAL 5.50 AZL 91.88 MCA 237.41 SMA 129.52 ECC .19075 INC 1.8772 V1 29.510
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.989 GAP 5.08 AZP 88.99 TAL 155.35 TAP 32.76 RCA 104.82 APO 154.23 V2 35.233
 RC 112.475 GL -14.69 GP -16.91 ZAL 51.18 ZAP 140.14 ETS 340.16 ZAE 130.62 ETE 194.31 ZAC 126.71 ETC 6.89 CLP-143.35

PLANETOCENTRIC CONIC

C3 12.133 VHL 3.483 OLA -12.32 RAL 171.44 RAD 6567.5 VEL 11.555 PTH 2.02 VMP 4.525 DPA 1.29 RAP 139.21 ECC 1.1997
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 21 28 1709.20 -4.96 11.59 24.62 117.91 9 49 57 1109.2 -1.19 4.95
 90.00 18 8 48 5138.24 25.23 228.95 28.51 76.69 19 34 26 4538.2 23.14 220.90
 100.00 10 36 30 1467.11 -5.90 353.28 24.11 119.36 11 0 57 867.1 -1.94 346.73
 100.00 19 36 27 4855.56 26.25 207.87 28.22 75.17 20 57 23 4255.6 23.96 199.83
 110.00 11 30 30 1297.98 -8.32 338.97 22.63 123.28 11 52 8 698.0 -3.88 332.69
 110.00 20 58 56 4597.46 28.97 187.34 27.29 71.00 22 15 34 3997.5 26.10 179.34

DIFFERENTIAL CORRECTIONS

TOE-1.6421 TRA 2.2662 TC3-4.3286 BAU .7117
 ROE -.1424 RRA .5220 RC3 -.7167 FAU .07538
 FDE-3.0001 FRA 4.0100 FC3-5.3786 BSP 17806
 BDE 1.6482 BRA 2.3256 BC3 4.3876 FSP -2698

MID-COURSE EXECUTION ACCURACY

SGT 5563.1 SGR 1037.6 SG3 791.8
 RRT .9514 RRF .9424 RTF .9884
 SGB 5659.0 R23 -.0034 R13 .9885
 SG1 5650.3 SG2 314.6 THA 10.09

ORBIT DETERMINATION ACCURACY

ST 2935.0 SR 353.0 SS 2085.9
 CRT .9033 CRS -.8981 CST -.9999
 LSA 3614.7 MSA 153.4 SSA 15.7
 EL1 2952.4 EL2 150.6 ALF 6.22

LAUNCH DATE MAY 8 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 537.784

RL 150.98 LAL -.00 LOL 226.73 VL 27.063 GAL 5.74 AZL 92.01 MCA 240.66 SMA 129.40 ECC .19378 INC 2.0065 V1 29.510
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.982 GAP 5.53 AZP 89.02 TAL 154.66 TAP 35.32 RCA 104.33 APO 154.48 V2 35.239
 RC 114.720 GL -15.22 GP -15.66 ZAL 50.28 ZAP 142.83 ETS 339.76 ZAE 129.52 ETE 192.83 ZAC 125.87 ETC 7.91 CLP-145.85

PLANETOCENTRIC CONIC

C3 12.905 VHL 3.592 OLA -13.23 RAL 172.20 RAD 6567.5 VEL 11.588 PTH 2.03 VMP 4.709 DPA 2.28 RAP 140.26 ECC 1.2124
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 32 17 1691.28 -4.39 10.59 26.26 118.00 10 0 29 1091.3 -.61 3.95
 90.00 18 4 1 5182.47 25.88 232.03 30.56 78.09 19 30 23 4582.5 23.98 223.87
 100.00 10 46 44 1451.08 -5.36 352.40 25.73 119.45 11 10 56 851.1 -1.40 345.85
 100.00 19 32 15 4897.91 26.96 210.83 30.29 76.57 20 53 53 4297.9 24.84 202.66
 110.00 11 39 29 1285.89 -7.87 338.32 24.18 123.37 12 0 55 685.9 -3.42 332.05
 110.00 20 56 0 4635.86 29.79 190.03 29.40 72.40 22 13 16 4035.9 27.09 181.88

DIFFERENTIAL CORRECTIONS

TOE-1.7750 TRA 2.4250 TC3-4.1823 BAU .7293
 ROE -.1081 RRA .4940 RC3 -.6136 FAU .06845
 FDE-2.9122 FRA 3.8699 FC3-4.5924 BSP 18274
 BDE 1.7783 BRA 2.4748 BC3 4.2271 FSP -2508

MID-COURSE EXECUTION ACCURACY

SGT 5729.7 SGR 937.6 SG3 736.5
 RRT .9360 RRF .9243 RTF .9880
 SGB 5805.9 R23 -.0100 R13 .9880
 SG1 5796.8 SG2 326.1 THA 8.74

ORBIT DETERMINATION ACCURACY

ST 3073.0 SR 298.1 SS 2042.5
 CRT .8502 CRS -.8447 CST -.9999
 LSA 3698.5 MSA 158.3 SSA 15.6
 EL1 3083.5 EL2 156.4 ALF 4.73

EARTH-VENUS TRAJECTORIES (VOL. 3, 1967)

JPL TM 33-99

LAUNCH DATE MAY 8 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC
 RL 150.98 LAL -0.00 LOL 226.73 VL 27.044 GAL 6.00 AZL 92.13 MCA 243.90 SMA 129.27 ECC .19706 INC 2.1279 V1 29.510
 RP 107.52 LAP 1.91 LOP 110.61 VP 37.973 GAP 5.97 AZP 89.06 TAL 153.95 TAP 37.85 RCA 103.80 APO 154.75 V2 35.244
 RC 116.961 GL -15.62 GP -14.55 ZAL 49.34 ZAP 145.34 ETS 339.36 ZAE 128.50 ETE 191.59 ZAC 124.87 ETC 8.79 CLP-148.19

PLANETOCENTRIC CONIC
 C3 13.756 VHL 3.709 DLA -14.03 RAL 173.03 RAD 6567.5 VEL 11.625 PTH 2.04 VHP 4.906 DPA 3.08 RAP 141.42 ECC 1.2264
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 42 38 1677.32 -3.95 9.80 28.01 118.06 10 10 35 1077.3 -.16 3.17
 90.00 18 0 15 5224.17 26.44 234.95 32.72 79.46 19 27 20 4624.2 24.71 226.71
 100.00 10 56 32 1438.85 -4.95 351.72 27.45 119.52 11 20 31 838.9 -.98 345.18
 100.00 19 29 2 4937.86 27.56 213.64 32.47 77.94 20 51 20 4337.9 25.62 205.38
 110.00 11 48 7 1277.30 -7.54 337.87 25.86 123.44 12 9 24 677.3 -3.09 331.61
 110.00 20 53 57 4672.19 30.51 192.62 31.62 73.78 22 11 49 4072.2 27.98 184.33

DIFFERENTIAL CORRECTIONS
 TDE-1.9099 TRA 2.5876 TC3-4.0277 BAU .7471
 RDE -.0758 RRA .4695 RC3 -.5292 FAU .06226
 FDE-2.8245 FRA 3.7329 FC3-3.9183 BSP 18784
 BDE 1.9114 BRA 2.6298 BC3 4.0623 FSP -2340

MID-COURSE EXECUTION ACCURACY
 SGT 5882.8 SGR 852.4 SG3 684.8
 RRT .9170 RRF .9022 RTF .9876
 SGB 5944.2 R23 -.0161 R13 .9875
 SGI 5934.6 SG2 337.1 THA 7.59

ORBIT DETERMINATION ACCURACY
 ST 3200.1 SR 253.3 SS 1998.2
 CRT .7697 CRS -.7638 CST -.9999
 LSA 3777.7 MSA 162.7 SSA 15.4
 EL1 3206.1 EL2 161.4 ALF 3.49

LAUNCH DATE MAY 8 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC
 RL 150.98 LAL -0.00 LOL 226.73 VL 27.024 GAL 6.28 AZL 92.24 MCA 247.14 SMA 129.14 ECC .20062 INC 2.2427 V1 29.510
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.964 GAP 6.43 AZP 89.13 TAL 153.22 TAP 40.36 RCA 103.23 APO 155.05 V2 35.248
 RC 119.197 GL -15.91 GP -13.57 ZAL 48.37 ZAP 147.68 ETS 338.92 ZAE 127.55 ETE 190.56 ZAC 123.72 ETC 9.55 CLP-150.38

PLANETOCENTRIC CONIC
 C3 14.697 VHL 3.834 DLA -14.74 RAL 173.91 RAD 6567.6 VEL 11.665 PTH 2.05 VHP 5.114 DPA 3.72 RAP 142.69 ECC 1.2419
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 52 30 1666.98 -3.61 9.23 29.86 118.10 10 20 17 1067.0 .17 2.59
 90.00 17 57 25 5263.70 26.90 237.76 34.98 80.79 19 25 9 4663.7 25.35 229.43
 100.00 11 5 54 1430.13 -4.66 351.24 29.28 119.56 11 29 44 830.1 -.69 344.70
 100.00 19 26 42 4975.78 28.07 216.35 34.75 79.27 20 49 38 4375.8 26.30 207.99
 110.00 11 56 25 1271.90 -7.34 337.58 27.63 123.48 12 17 37 671.9 -2.89 331.32
 110.00 20 52 41 4706.78 31.14 195.12 33.95 75.13 22 11 7 4106.8 28.79 186.70

DIFFERENTIAL CORRECTIONS
 TDE-2.0439 TRA 2.7582 TC3-3.8566 BAU .7631
 RDE -.0445 RRA .4486 RC3 -.4573 FAU .05642
 FDE-2.7323 FRA 3.6065 FC3-3.3232 BSP 19247
 BDE 2.0444 BRA 2.7944 BC3 3.8836 FSP -2181

MID-COURSE EXECUTION ACCURACY
 SGT 6020.2 SGR 779.8 SG3 636.3
 RRT .8937 RRF .8758 RTF .9872
 SGB 6070.5 R23 -.0208 R13 .9870
 SGI 6060.5 SG2 347.6 THA 6.62

ORBIT DETERMINATION ACCURACY
 ST 3312.7 SR 218.6 SS 1950.1
 CRT .6490 CRS -.6427 CST -.9999
 LSA 3846.6 MSA 167.1 SSA 15.3
 EL1 3315.7 EL2 166.2 ALF 2.46

LAUNCH DATE MAY 8 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC
 RL 150.98 LAL -0.00 LOL 226.73 VL 27.004 GAL 6.59 AZL 92.35 MCA 250.39 SMA 129.00 ECC .20446 INC 2.3523 V1 29.510
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.953 GAP 6.90 AZP 89.21 TAL 152.47 TAP 42.85 RCA 102.63 APO 155.38 V2 35.252
 RC 121.426 GL -16.11 GP -12.69 ZAL 47.39 ZAP 149.87 ETS 338.44 ZAE 126.68 ETE 189.69 ZAC 122.45 ETC 10.20 CLP-152.44

PLANETOCENTRIC CONIC
 C3 15.737 VHL 3.967 DLA -15.36 RAL 174.84 RAD 6567.6 VEL 11.710 PTH 2.06 VHP 5.335 DPA 4.20 RAP 144.06 ECC 1.2590
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 1 56 1660.02 -3.39 8.84 31.80 118.13 10 29 36 1060.0 .40 2.20
 90.00 17 55 25 5301.37 27.28 240.45 37.32 82.09 19 23 46 4701.4 25.90 232.05
 100.00 11 14 52 1424.66 -4.47 350.94 31.21 119.59 11 38 37 824.7 -.50 344.40
 100.00 19 25 9 5011.96 28.50 218.95 37.11 80.58 20 48 41 4412.0 26.90 210.51
 110.00 12 4 25 1269.48 -7.25 337.45 29.49 123.50 12 25 34 669.5 -2.80 331.20
 110.00 20 52 6 4739.91 31.69 197.54 36.36 76.47 22 11 6 4139.9 29.51 189.01

DIFFERENTIAL CORRECTIONS
 TDE-2.1774 TRA 2.9378 TC3-3.6739 BAU .7774
 RDE -.0140 RRA .4306 RC3 -.3961 FAU .05098
 FDE-2.6386 FRA 3.4904 FC3-2.8048 BSP 19681
 BDE 2.1775 BRA 2.9691 BC3 3.6952 FSP -2032

MID-COURSE EXECUTION ACCURACY
 SGT 6144.0 SGR 717.7 SG3 591.1
 RRT .8658 RRF .8448 RTF .9867
 SGB 6185.7 R23 -.0246 R13 .9866
 SGI 6175.4 SG2 357.4 THA 5.79

ORBIT DETERMINATION ACCURACY
 ST 3411.8 SR 194.8 SS 1899.7
 CRT .4816 CRS -.4751 CST -.9999
 LSA 3906.1 MSA 171.3 SSA 15.1
 EL1 3413.1 EL2 170.6 ALF 1.58

LAUNCH DATE MAY 8 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC
 RL 150.98 LAL -0.00 LOL 226.73 VL 26.983 GAL 6.91 AZL 92.46 MCA 253.63 SMA 128.86 ECC .20861 INC 2.4574 V1 29.510
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.940 GAP 7.37 AZP 89.31 TAL 151.69 TAP 45.32 RCA 101.98 APO 155.75 V2 35.255
 RC 123.648 GL -16.23 GP -11.91 ZAL 46.38 ZAP 151.92 ETS 337.90 ZAE 125.87 ETE 188.96 ZAC 121.07 ETC 10.76 CLP-154.39

PLANETOCENTRIC CONIC
 C3 16.890 VHL 4.110 DLA -15.91 RAL 175.81 RAD 6567.7 VEL 11.759 PTH 2.08 VHP 5.567 DPA 4.55 RAP 145.51 ECC 1.2780
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 10 56 1656.24 -3.27 8.62 33.83 118.14 10 38 32 1056.2 .52 1.99
 90.00 17 54 9 5337.41 27.59 243.04 39.75 83.36 19 23 6 4737.4 26.38 234.58
 100.00 11 23 27 1422.25 -4.39 350.80 33.21 119.60 11 47 9 822.2 -.42 344.27
 100.00 19 24 19 5046.63 28.86 221.46 39.56 81.85 20 48 25 4446.6 27.43 212.95
 110.00 12 12 6 1269.84 -7.26 337.47 31.44 123.49 12 33 16 669.8 -2.81 331.22
 110.00 20 52 9 4771.81 32.18 199.90 38.87 77.79 22 11 41 4171.8 30.16 191.27

DIFFERENTIAL CORRECTIONS
 TDE-2.3075 TRA 3.1311 TC3-3.4731 BAU .7880
 RDE .0161 RRA .4152 RC3 -.3425 FAU .04569
 FDE-2.5407 FRA 3.3893 FC3-2.3421 BSP 19989
 BDE 2.3076 BRA 3.1585 BC3 3.4899 FSP -1883

MID-COURSE EXECUTION ACCURACY
 SGT 6253.2 SGR 664.9 SG3 549.1
 RRT .8331 RRF .8093 RTF .9862
 SGB 6288.5 R23 -.0272 R13 .9860
 SGI 6277.8 SG2 366.3 THA 5.08

ORBIT DETERMINATION ACCURACY
 ST 3494.4 SR 182.2 SS 1845.5
 CRT .2740 CRS -.2678 CST -.9999
 LSA 3952.1 MSA 175.6 SSA 15.0
 EL1 3494.8 EL2 175.2 ALF .82

LAUNCH DATE MAY 8 1967

FLIGHT TIME 206.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

RL 150.98 LAL -.00 LOL 226.73 VL 26.962 GAL 7.26 AZL 92.56 MCA 256.88 SMA 128.72 ECC .21308 INC 2.5591 V1 29.510
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.927 GAP 7.86 AZP 89.42 TAL 150.90 TAP 47.78 RCA 101.29 APO 156.15 V2 35.257
 RC 125.861 GL -16.27 GP -11.22 ZAL 45.36 ZAP 153.86 ETS 337.28 ZAE 125.13 ETE 188.33 ZAC 119.60 ETC 11.22 CLP-156.24

PLANETOCENTRIC CONIC

C3 18.169 VML 4.262 DLA -16.39 RAL 176.81 RAD 6567.7 VEL 11.813 PTH 2.09 VMP 5.811 DPA 4.78 RAP 147.03 ECC 1.2990
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 19 30 1655.46 -3.25 8.58 35.94 118.15 10 47 6 1055.5 .54 1.95
 90.00 17 53 33 5372.04 27.84 245.54 42.25 84.59 19 23 5 4772.0 26.80 237.03
 100.00 11 31 38 1422.73 -4.41 350.83 35.29 119.60 11 55 21 822.7 -.43 344.30
 100.00 19 24 6 5080.00 29.16 223.90 42.08 83.10 20 48 46 4480.0 27.90 215.32
 110.00 12 19 29 1272.83 -7.38 337.63 33.46 123.47 12 40 42 672.8 -2.92 331.37
 110.00 20 52 45 4802.66 32.60 202.21 41.46 79.09 22 12 47 4202.7 30.75 193.48

DIFFERENTIAL CORRECTIONS

TDE-2.4420 TRA 3.3312 TC3-3.2763 BAU .7991
 RDE .0451 RRA .4011 RC3 -.2973 FAU .04105
 FDE-2.4508 FRA 3.2928 FC3-1.9562 BSP 20364
 BDE 2.4424 BRA 3.3553 BC3 3.2897 FSP -1757

MID-COURSE EXECUTION ACCURACY

SGT 6353.1 SGR 619.5 SG3 510.6
 RRT .7958 RRF .7692 RTF .9857
 SGB 6383.2 R23 -.0297 R13 .9856
 SG1 6372.2 SG2 374.0 THA 4.45

ORBIT DETERMINATION ACCURACY

ST 3569.7 SR 179.3 SS 1794.2
 CRT .0590 CRS -.0532 CST -.9999
 LSA 3995.2 MSA 179.3 SSA 14.8
 EL1 3569.7 EL2 179.0 ALF .17

LAUNCH DATE MAY 8 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

RL 150.98 LAL -.00 LOL 226.73 VL 26.940 GAL 7.63 AZL 92.66 MCA 260.12 SMA 128.57 ECC .21791 INC 2.6582 V1 29.510
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.913 GAP 8.36 AZP 89.54 TAL 150.09 TAP 50.22 RCA 100.55 APO 156.59 V2 35.258
 RC 128.066 GL -16.25 GP -10.60 ZAL 44.34 ZAP 155.69 ETS 336.56 ZAE 124.44 ETE 187.78 ZAC 118.05 ETC 11.61 CLP-157.99

PLANETOCENTRIC CONIC

C3 19.591 VML 4.426 DLA -16.81 RAL 177.83 RAD 6567.8 VEL 11.873 PTH 2.11 VMP 6.068 DPA 4.90 RAP 148.63 ECC 1.3224
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 27 39 1657.57 -3.31 8.70 38.11 118.14 10 55 17 1057.6 .48 2.07
 90.00 17 53 34 5405.42 28.03 247.96 44.81 85.79 19 23 39 4805.4 27.15 239.41
 100.00 11 39 26 1425.97 -4.52 351.01 37.44 119.58 12 3 12 826.0 -.54 344.47
 100.00 19 24 28 5112.25 29.40 226.26 44.68 84.33 20 49 40 4512.2 28.30 217.63
 110.00 12 26 33 1278.34 -7.58 337.92 35.55 123.43 12 47 52 678.3 -3.13 331.66
 110.00 20 53 50 4832.65 32.96 204.47 44.12 80.38 22 14 23 4232.6 31.28 195.65

DIFFERENTIAL CORRECTIONS

TDE-2.5778 TRA 3.5434 TC3-3.0748 BAU .8082
 RDE .0736 RRA .3884 RC3 -.2579 FAU .03675
 FDE-2.3643 FRA 3.2061 FC3-1.6238 BSP 20702
 BDE 2.5789 BRA 3.5646 BC3 3.0856 FSP -1639

MID-COURSE EXECUTION ACCURACY

SGT 6442.3 SGR 580.5 SG3 475.0
 RRT .7540 RRF .7248 RTF .9853
 SGB 6468.4 R23 -.0315 R13 .9852
 SG1 6457.2 SG2 380.5 THA 3.90

ORBIT DETERMINATION ACCURACY

ST 3634.3 SR 184.3 SS 1743.6
 CRT -.1359 CRS .1412 CST -.9999
 LSA 4030.9 MSA 182.7 SSA 14.6
 EL1 3634.4 EL2 182.6 ALF 179.60

LAUNCH DATE MAY 8 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

RL 150.98 LAL -.00 LOL 226.73 VL 26.917 GAL 8.03 AZL 92.76 MCA 263.37 SMA 128.42 ECC .22312 INC 2.7554 V1 29.510
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.897 GAP 8.88 AZP 89.68 TAL 149.27 TAP 52.64 RCA 99.77 APO 157.07 V2 35.259
 RC 130.261 GL -16.17 GP -10.04 ZAL 43.31 ZAP 157.42 ETS 335.74 ZAE 123.81 ETE 187.31 ZAC 116.43 ETC 11.93 CLP-159.67

PLANETOCENTRIC CONIC

C3 21.176 VML 4.602 DLA -17.18 RAL 178.87 RAD 6567.9 VEL 11.940 PTH 2.12 VMP 6.338 DPA 4.92 RAP 150.27 ECC 1.3485
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 35 23 1662.45 -3.47 8.97 40.34 118.12 11 3 6 1062.5 .32 2.34
 90.00 17 54 8 5437.70 28.17 250.32 47.44 86.96 19 24 45 4837.7 27.45 241.72
 100.00 11 46 51 1431.87 -4.72 351.33 39.65 119.55 12 10 43 831.9 -.75 344.80
 100.00 19 25 21 5143.50 29.59 228.57 47.33 85.53 20 51 5 4543.5 28.65 219.89
 110.00 12 33 20 1286.25 -7.88 338.34 37.70 123.37 12 54 46 686.5 -3.44 332.07
 110.00 20 55 22 4861.89 33.27 206.70 46.85 81.67 22 16 24 4261.9 31.76 197.79

DIFFERENTIAL CORRECTIONS

TDE-2.7152 TRA 3.7683 TC3-2.8714 BAU .8154
 RDE .1020 RRA .3765 RC3 -.2234 FAU .03275
 FDE-2.2811 FRA 3.1284 FC3-1.3388 BSP 21019
 BDE 2.7172 BRA 3.7870 BC3 2.8801 FSP -1530

MID-COURSE EXECUTION ACCURACY

SGT 6521.5 SGR 546.9 SG3 442.3
 RRT .7076 RRF .6762 RTF .9849
 SGB 6544.4 R23 -.0327 R13 .9848
 SG1 6533.0 SG2 385.8 THA 3.41

ORBIT DETERMINATION ACCURACY

ST 3698.6 SR 194.5 SS 1693.6
 CRT -.2953 CRS .2997 CST -.9999
 LSA 4059.2 MSA 185.9 SSA 14.4
 EL1 3689.1 EL2 185.8 ALF 179.11

LAUNCH DATE MAY 8 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

RL 150.98 LAL -.00 LOL 226.73 VL 26.895 GAL 8.46 AZL 92.85 MCA 266.62 SMA 128.27 ECC .22874 INC 2.8513 V1 29.510
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.881 GAP 9.41 AZP 89.83 TAL 148.44 TAP 55.06 RCA 98.93 APO 157.61 V2 35.259
 RC 132.447 GL -16.04 GP -9.53 ZAL 42.28 ZAP 159.07 ETS 334.79 ZAE 123.22 ETE 186.90 ZAC 114.75 ETC 12.20 CLP-161.28

PLANETOCENTRIC CONIC

C3 22.947 VML 4.790 DLA -17.49 RAL 179.92 RAD 6567.9 VEL 12.014 PTH 2.14 VMP 6.623 DPA 4.85 RAP 151.97 ECC 1.3776
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 42 42 1670.01 -3.71 9.39 42.62 118.09 11 10 32 1070.0 .07 2.76
 90.00 17 55 12 5469.00 28.26 252.60 50.13 88.10 19 26 21 4869.0 27.70 243.98
 100.00 11 53 52 1440.33 -5.00 351.80 41.91 119.51 12 17 52 840.3 -1.03 345.26
 100.00 19 26 43 5173.90 29.73 230.82 50.05 86.70 20 52 56 4573.9 28.95 222.10
 110.00 12 39 47 1296.48 -8.26 338.89 39.91 123.29 13 1 24 696.5 -3.83 332.61
 110.00 20 57 17 4890.52 33.53 208.89 49.65 82.94 22 18 48 4290.5 32.19 199.92

DIFFERENTIAL CORRECTIONS

TDE-2.8542 TRA 4.0077 TC3-2.6662 BAU .8201
 RDE .1302 RRA .3852 RC3 -.1929 FAU .02901
 FDE-2.2016 FRA 3.0596 FC3-1.0945 BSP 21286
 BDE 2.8572 BRA 4.0243 BC3 2.6732 FSP -1428

MID-COURSE EXECUTION ACCURACY

SGT 6590.8 SGR 517.8 SG3 412.2
 RRT .6570 RRF .6239 RTF .9845
 SGB 6611.1 R23 -.0335 R13 .9844
 SG1 6599.6 SG2 389.8 THA 2.97

ORBIT DETERMINATION ACCURACY

ST 3732.8 SR 207.7 SS 1644.6
 CRT -.4178 CRS .4215 CST -.9999
 LSA 4080.0 MSA 188.7 SSA 14.2
 EL1 3733.8 EL2 188.7 ALF 178.66

LAUNCH DATE MAY 8 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC
 RL 150.98 LAL -.00 LOL 226.73 VL 26.871 GAL 8.92 AZL 92.95 HCA 269.86 SMA 128.11 ECC .23480 INC 2.9466 VI 29.510
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.864 GAP 9.97 AZP 89.99 TAL 147.61 TAP 57.47 RCA 98.03 APO 158.19 V2 35.258
 RC 134.624 GL -15.86 GP -9.08 ZAL 41.25 ZAP 160.64 ETS 333.68 ZAE 122.68 ETE 186.54 ZAC 113.02 ETC 12.42 CLP-162.83

PLANETOCENTRIC CONIC
 C3 24.929 VHL 4.993 DLA -17.75 RAL 180.98 RAD 6568.0 VEL 12.096 PTH 2.17 VHP 6.924 OPA 4.70 RAP 153.70 ECC 1.4103
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 49 34 1680.16 -4.04 9.96 44.96 118.05 11 17 34 1080.2 -.25 3.33
 90.00 17 56 44 5499.44 28.31 254.83 52.86 89.22 19 28 24 4899.4 27.90 246.19
 100.00 12 0 30 1451.27 -5.37 352.41 44.23 119.45 12 24 41 851.3 -1.40 345.86
 100.00 19 28 30 5203.55 29.82 233.02 52.82 87.85 20 55 13 4603.6 29.21 224.27
 110.00 12 45 56 1308.95 -8.73 339.55 42.17 123.18 13 7 45 708.9 -4.30 333.26
 110.00 20 59 33 4918.64 33.75 211.06 52.50 84.21 22 21 32 4318.6 32.58 202.02

DIFFERENTIAL CORRECTIONS
 TDE-2.9931 TRA 4.2653 TC3-2.4578 BAU .8210 SGT 6650.9 SGR 492.6 SG3 384.4 ORBIT DETERMINATION ACCURACY
 RDE .1586 RRA .3542 RC3 -.1658 FAU .02542 RRT .6027 RRF .5684 RTF .9841 CRT -.5098 CRS .5128 CST -.9999
 FDE-2.1238 FRA 3.0013 FC3 -.8828 BSP 21456 SGB 6669.1 R23 -.0336 R13 .9840 LSA 4091.4 MSA 191.4 SSA 14.0
 BOE 2.9973 BRA 4.2800 BC3 2.4633 FSP -1328 SGI 6657.5 SG2 392.7 TMA 2.56 ELI 3767.3 EL2 191.4 ALF 178.27

LAUNCH DATE MAY 8 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC
 RL 150.98 LAL -.00 LOL 226.73 VL 26.848 GAL 9.41 AZL 93.04 HCA 273.11 SMA 127.96 ECC .24136 INC 3.0418 VI 29.510
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.846 GAP 10.55 AZP 90.17 TAL 146.77 TAP 59.88 RCA 97.07 APO 158.84 V2 35.256
 RC 136.791 GL -15.65 GP -8.67 ZAL 40.23 ZAP 162.14 ETS 332.38 ZAE 122.17 ETE 186.21 ZAC 111.24 ETC 12.61 CLP-164.33

PLANETOCENTRIC CONIC
 C3 27.155 VHL 5.211 DLA -17.97 RAL 182.03 RAD 6568.1 VEL 12.187 PTH 2.19 VHP 7.241 OPA 4.48 RAP 155.47 ECC 1.4469
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 56 1 1692.82 -4.44 10.67 47.34 117.99 11 24 14 1092.8 -.66 4.03
 90.00 17 58 42 5529.09 28.32 257.00 55.65 90.30 19 30 51 4929.1 28.06 248.34
 100.00 12 6 44 1464.61 -5.81 353.15 46.59 119.37 12 31 9 864.6 -1.85 346.59
 100.00 19 30 40 5232.54 29.88 235.17 55.64 88.99 20 57 52 4632.5 29.42 226.40
 110.00 12 51 45 1323.58 -9.27 340.34 44.47 123.05 13 13 49 723.6 -4.86 334.03
 110.00 21 2 8 4946.33 33.92 213.20 55.41 85.47 22 24 35 4346.3 32.92 204.11

DIFFERENTIAL CORRECTIONS
 TDE-3.1398 TRA 4.5350 TC3-2.2585 BAU .8216 SGT 6703.5 SGR 470.2 SG3 358.9 ORBIT DETERMINATION ACCURACY
 RDE .1868 RRA .3428 RC3 -.1422 FAU .02224 RRT .5446 RRF .5096 RTF .9839 CRT -.5794 CRS .5818 CST -.9999
 FDE-2.0546 FRA 2.9471 FC3 -.7091 BSP 21702 SGB 6720.0 R23 -.0336 R13 .9838 LSA 4101.3 MSA 193.3 SSA 13.7
 BOE 3.1453 BRA 4.5479 BC3 2.2630 FSP -1244 SGI 6708.4 SG2 394.1 TMA 2.20 ELI 3796.7 EL2 193.3 ALF 177.92

LAUNCH DATE MAY 8 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC
 RL 150.98 LAL -.00 LOL 226.73 VL 26.824 GAL 9.94 AZL 93.14 HCA 276.36 SMA 127.80 ECC .24845 INC 3.1376 VI 29.510
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.827 GAP 11.15 AZP 90.35 TAL 145.93 TAP 62.29 RCA 96.05 APO 159.55 V2 35.254
 RC 138.949 GL -15.40 GP -8.30 ZAL 39.22 ZAP 163.58 ETS 330.86 ZAE 121.69 ETE 185.92 ZAC 109.42 ETC 12.77 CLP-165.78

PLANETOCENTRIC CONIC
 C3 29.661 VHL 5.446 DLA -18.15 RAL 183.08 RAD 6568.2 VEL 12.290 PTH 2.21 VHP 7.577 OPA 4.19 RAP 157.27 ECC 1.4881
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 2 1 1707.93 -4.92 11.52 49.75 117.92 11 30 29 1107.9 -1.15 4.87
 90.00 18 1 3 5558.03 28.29 259.11 58.48 91.36 19 33 41 4958.0 28.18 250.45
 100.00 12 12 34 1480.27 -6.33 354.01 48.98 119.27 12 37 14 880.3 -2.38 347.45
 100.00 19 33 11 5260.93 29.89 237.28 58.50 90.10 21 0 52 4660.9 29.59 228.49
 110.00 12 57 14 1340.31 -9.89 341.24 46.82 122.89 13 19 35 740.3 -5.49 334.91
 110.00 21 5 0 4973.66 34.04 215.33 58.36 86.72 22 27 53 4373.7 33.21 206.19

DIFFERENTIAL CORRECTIONS
 TDE-3.2903 TRA 4.8230 TC3-2.0621 BAU .8191 SGT 6748.3 SGR 490.6 SG3 335.4 ORBIT DETERMINATION ACCURACY
 RDE .2153 RRA .3309 RC3 -.1213 FAU .01926 RRT .4833 RRF .4480 RTF .9837 CRT -.6326 CRS .6344 CST -1.0000
 FDE-1.9896 FRA 2.9006 FC3 -.5620 BSP 21912 SGB 6763.3 R23 -.0332 R13 .9836 LSA 4105.3 MSA 194.8 SSA 13.5
 BOE 3.2973 BRA 4.8343 BC3 2.0656 FSP -1164 SGI 6751.8 SG2 394.2 TMA 1.85 ELI 3818.1 EL2 194.8 ALF 177.60

LAUNCH DATE MAY 8 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC
 RL 150.98 LAL -.00 LOL 226.73 VL 26.800 GAL 10.51 AZL 93.23 HCA 279.60 SMA 127.64 ECC .25614 INC 3.2346 VI 29.510
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.807 GAP 11.79 AZP 90.54 TAL 145.10 TAP 64.70 RCA 94.95 APO 160.34 V2 35.251
 RC 141.095 GL -15.12 GP -7.97 ZAL 38.23 ZAP 164.95 ETS 329.05 ZAE 121.23 ETE 185.65 ZAC 107.58 ETC 12.90 CLP-167.19

PLANETOCENTRIC CONIC
 C3 32.490 VHL 5.700 DLA -18.29 RAL 184.11 RAD 6568.3 VEL 12.404 PTH 2.24 VHP 7.934 OPA 3.84 RAP 159.09 ECC 1.5347
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 7 35 1725.42 -5.48 12.51 52.21 117.82 11 36 20 1125.4 -1.71 5.85
 90.00 18 3 45 5586.33 28.22 261.18 61.34 92.40 19 36 51 4986.3 28.26 252.52
 100.00 12 18 0 1498.19 -6.93 355.01 51.41 119.15 12 42 58 898.2 -2.99 348.44
 100.00 19 36 1 5288.79 29.87 239.35 61.40 91.19 21 4 9 4688.8 29.72 230.55
 110.00 13 2 24 1359.07 -10.58 342.25 49.20 122.69 13 25 3 759.1 -6.20 335.90
 110.00 21 8 6 5000.68 34.13 217.43 61.36 87.96 22 31 26 4400.7 33.47 208.25

DIFFERENTIAL CORRECTIONS
 TDE-3.4457 TRA 5.1302 TC3-1.8703 BAU .8136 SGT 6785.4 SGR 433.1 SG3 313.7 ORBIT DETERMINATION ACCURACY
 RDE .2441 RRA .3184 RC3 -.1029 FAU .01647 RRT .4188 RRF .3839 RTF .9836 CRT -.6741 CRS .6754 CST -1.0000
 FDE-1.9292 FRA 2.8612 FC3 -.4387 BSP 22098 SGB 6799.2 R23 -.0324 R13 .9835 LSA 4104.0 MSA 195.8 SSA 13.2
 BOE 3.4543 BRA 5.1401 BC3 1.8732 FSP -1090 SGI 6787.8 SG2 393.1 TMA 1.54 ELI 3832.4 EL2 195.8 ALF 177.32

LAUNCH DATE MAY 9 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 18 1967

HELIOCENTRIC CONIC

DISTANCE 132.720

RL 151.02 LAL -.00 LOL 227.70 VL 16.537 GAL 21.26 AZL 91.06 MCA 40.28 SMA 89.42 ECC .73725 INC 1.0557 V1 29.503
 RP 108.75 LAP -.68 LOP 267.98 VP 30.931 GAP -46.21 AZP 90.81 TAL 171.80 TAP 212.08 RCA 23.50 APO 155.35 V2 34.848
 RC 73.549 GL -1.07 GP 2.06 ZAL 68.37 ZAP 30.97 ETS 185.94 ZAE 142.02 ETE 172.76 ZAC 143.03 ETC 29.67 CLP 30.91

PLANETOCENTRIC CONIC

C3 229.879 VML 15.162 OLA 7.08 RAL 160.50 RAD 6571.3 VEL 18.740 PTH 3.06 VMP 26.232 DPA 24.66 RAP 121.87 ECC 4.7832
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 5 24 2975.03 -28.11 94.61 64.77 86.41 6 54 59 2375.0 -28.31 85.95
 90.00 19 49 43 5176.76 25.80 231.63 57.62 77.91 21 16 0 4576.8 23.88 223.49
 100.00 7 30 7 2701.76 -29.72 74.63 64.88 86.59 8 15 9 2101.8 -29.87 65.83
 100.00 21 7 40 4925.27 27.38 212.75 57.24 77.50 22 29 46 4325.3 25.38 204.52
 110.00 8 46 6 2463.97 -34.07 56.86 65.16 87.08 9 27 10 1864.0 -34.10 47.61
 110.00 22 8 11 4735.82 31.63 197.24 56.10 76.30 23 27 7 4135.8 29.42 188.73

DIFFERENTIAL CORRECTIONS

TDE .7276 TRA-1.8018 TC3 -.1072 BAU .3312
 RDE-1.0697 RRA -.5549 RC3 .0111 FAU .01279
 FDE -.3200 FRA .6495 FC3 -.0482 BSP 2159
 BDE 1.2936 BRA 1.8853 BC3 .1078 FSP -57

MID-COURSE EXECUTION ACCURACY

SGT 807.5 SGR 457.4 SG3 26.9
 RRT .0619 RRF -.0584 RTF -.6178
 SGB 928.0 R23 -.0022 R13 -.6181
 SG1 808.2 SG2 456.1 THA 2.95

ORBIT DETERMINATION ACCURACY

ST 343.6 SR 409.2 SS 321.7
 CRT -.6978 CRS -.7606 CST .9940
 LSA 580.3 MSA 228.1 SSA 13.9
 EL1 493.9 EL2 203.9 ALF 127.94

LAUNCH DATE MAY 9 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 20 1967

HELIOCENTRIC CONIC

DISTANCE 138.424

RL 151.02 LAL -.00 LOL 227.70 VL 17.279 GAL 20.36 AZL 91.26 MCA 43.45 SMA 90.96 ECC .71007 INC 1.2582 V1 29.503
 RP 108.77 LAP -.87 LOP 271.14 VP 31.325 GAP -44.11 AZP 90.91 TAL 171.02 TAP 214.4 RCA 26.37 APO 155.55 V2 34.839
 RC 71.325 GL -1.41 GP 2.11 ZAL 67.16 ZAP 29.46 ETS 186.19 ZAE 142.40 ETE 171.98 ZAC 141.52 ETC 28.65 CLP 29.39

PLANETOCENTRIC CONIC

C3 208.565 VML 14.442 OLA 6.31 RAL 161.51 RAD 6571.2 VEL 18.163 PTH 3.02 VMP 25.215 DPA 24.43 RAP 123.67 ECC 4.4324
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 15 20 2936.31 -28.24 91.79 64.27 87.82 7 4 16 2336.3 -28.24 83.12
 90.00 19 47 48 5186.95 25.95 232.34 57.90 78.24 21 14 15 4586.9 24.06 224.17
 100.00 7 39 40 2664.28 -29.83 71.85 64.34 88.05 8 24 5 2064.3 -29.79 63.04
 100.00 21 6 9 4934.21 27.51 213.38 57.53 77.81 22 28 23 4334.2 25.55 205.13
 110.00 8 54 47 2429.24 -34.16 54.15 64.48 88.69 9 35 16 1829.2 -33.97 44.91
 110.00 22 7 32 4742.02 31.73 197.69 56.42 76.55 23 26 34 4142.0 29.55 189.16

DIFFERENTIAL CORRECTIONS

TDE .7283 TRA-1.8116 TC3 -.1143 BAU .3208
 RDE-1.0275 RRA -.5423 RC3 .0131 FAU .01292
 FDE -.3354 FRA .6729 FC3 -.0536 BSP 2215
 BDE 1.2594 BRA 1.8911 BC3 .1151 FSP -61

MID-COURSE EXECUTION ACCURACY

SGT 845.8 SGR 463.1 SG3 29.2
 RRT .0670 RRF -.0624 RTF -.6362
 SGB 964.3 R23 -.0018 R13 -.6365
 SG1 846.6 SG2 461.6 THA 2.99

ORBIT DETERMINATION ACCURACY

ST 361.5 SR 412.8 SS 339.1
 CRT -.6951 CRS -.7629 CST .9934
 LSA 600.8 MSA 234.3 SSA 14.2
 EL1 506.1 EL2 211.9 ALF 129.58

LAUNCH DATE MAY 9 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 22 1967

HELIOCENTRIC CONIC

DISTANCE 144.228

RL 151.02 LAL -.00 LOL 227.70 VL 17.974 GAL 19.51 AZL 91.44 MCA 46.62 SMA 92.52 ECC .68322 INC 1.4386 V1 29.503
 RP 108.80 LAP -1.05 LOP 274.31 VP 31.704 GAP -42.12 AZP 90.99 TAL 170.25 TAP 216.87 RCA 29.31 APO 155.73 V2 34.831
 RC 69.138 GL -1.77 GP 2.18 ZAL 66.00 ZAP 27.97 ETS 186.47 ZAE 142.87 ETE 171.13 ZAC 139.99 ETC 27.69 CLP 27.90

PLANETOCENTRIC CONIC

C3 189.320 VML 13.759 OLA 5.53 RAL 162.45 RAD 6571.0 VEL 17.625 PTH 2.98 VMP 24.236 DPA 24.18 RAP 125.49 ECC 4.1157
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 24 59 2896.92 -28.31 88.91 63.65 89.26 7 13 16 2296.9 -28.11 80.25
 90.00 19 45 40 5196.28 26.07 232.99 58.06 78.54 21 12 16 4596.3 24.23 224.81
 100.00 7 48 56 2626.12 -29.89 69.01 63.66 89.54 8 32 42 2026.1 -29.63 60.22
 100.00 21 4 24 4942.31 27.62 213.96 57.70 78.09 22 26 46 4342.3 25.70 205.68
 110.00 9 3 10 2393.79 -34.18 51.38 63.67 90.32 9 43 4 1793.8 -33.76 42.16
 110.00 22 6 39 4747.41 -31.81 198.09 56.62 76.77 23 25 46 4147.4 29.67 189.54

DIFFERENTIAL CORRECTIONS

TDE .7311 TRA-1.8189 TC3 -.1211 BAU .3088
 RDE -.9856 RRA -.5288 RC3 .0154 FAU .01307
 FDE -.3516 FRA .6963 FC3 -.0598 BSP 2333
 BDE 1.2272 BRA 1.8942 BC3 .1220 FSP -67

MID-COURSE EXECUTION ACCURACY

SGT 884.7 SGR 468.2 SG3 31.5
 RRT .0708 RRF -.0662 RTF -.6545
 SGB 1001.0 R23 -.0020 R13 -.6548
 SG1 885.6 SG2 466.6 THA 2.97

ORBIT DETERMINATION ACCURACY

ST 380.7 SR 415.8 SS 357.2
 CRT -.6938 CRS -.7654 CST .9929
 LSA 622.6 MSA 239.8 SSA 14.4
 EL1 519.2 EL2 219.5 ALF 131.37

LAUNCH DATE MAY 9 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 24 1967

HELIOCENTRIC CONIC

DISTANCE 150.126

RL 151.02 LAL -.00 LOL 227.70 VL 18.625 GAL 18.69 AZL 91.60 MCA 49.79 SMA 94.08 ECC .65680 INC 1.6007 V1 29.503
 RP 108.82 LAP -1.22 LOP 277.48 VP 32.070 GAP -40.23 AZP 91.03 TAL 169.49 TAP 219.28 RCA 32.29 APO 155.87 V2 34.824
 RC 66.992 GL -2.15 GP 2.24 ZAL 64.91 ZAP 26.51 ETS 186.80 ZAE 143.43 ETE 170.20 ZAC 138.42 ETC 26.80 CLP 26.42

PLANETOCENTRIC CONIC

C3 171.923 VML 13.112 OLA 4.76 RAL 163.33 RAD 6570.9 VEL 17.124 PTH 2.93 VMP 23.291 DPA 23.92 RAP 127.32 ECC 3.8294
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 34 21 2856.81 -28.31 85.98 62.89 90.73 7 21 57 2256.8 -27.91 77.33
 90.00 19 43 19 5204.79 26.19 233.59 58.10 78.82 21 10 4 4604.8 24.38 225.39
 100.00 7 57 55 2587.22 -29.88 66.12 62.86 91.06 8 41 3 1987.2 -29.41 57.35
 100.00 21 2 25 4949.61 27.72 214.48 57.75 78.35 22 24 55 4349.6 25.84 206.18
 110.00 9 11 18 2357.57 -34.13 48.55 62.73 92.00 9 50 36 1757.6 -33.48 39.37
 110.00 22 5 32 4752.02 31.88 198.43 56.70 76.96 23 24 44 4152.0 29.76 189.86

DIFFERENTIAL CORRECTIONS

TDE .7359 TRA-1.8236 TC3 -.1272 BAU .2952
 RDE -.9441 RRA -.5147 RC3 .0179 FAU .01325
 FDE -.3685 FRA .7196 FC3 -.0667 BSP 2508
 BDE 1.1970 BRA 1.8949 BC3 .1284 FSP -74

MID-COURSE EXECUTION ACCURACY

SGT 924.2 SGR 472.6 SG3 34.1
 RRT .0735 RRF -.0697 RTF -.6729
 SGB 1038.0 R23 -.0029 R13 -.6732
 SG1 925.0 SG2 470.9 THA 2.91

ORBIT DETERMINATION ACCURACY

ST 401.3 SR 418.1 SS 376.0
 CRT -.6940 CRS -.7682 CST .9926
 LSA 645.9 MSA 244.6 SSA 14.6
 EL1 533.4 EL2 226.5 ALF 133.31

LAUNCH DATE MAY 9 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 26 1967

HELIOCENTRIC CONIC
 RL 151.02 LAL -.00 LOL 227.70 VL 19.234 GAL 17.90 AZL 91.75 MCA 52.95 SMA 95.64 ECC .63092 INC 1.7484 V1 29.503
 RP 108.84 LAP -1.40 LOP 280.64 VP 32.420 GAP -38.43 AZP 91.05 TAL 168.75 TAP 221.70 RCA 35.30 APO 155.98 V2 34.817
 RC 64.892 GL -2.56 GP 2.32 ZAL 63.87 ZAP 25.06 ETS 187.19 ZAE 144.10 ETE 169.16 ZAC 136.83 ETC 25.97 CLP 24.96

PLANETOCENTRIC CONIC
 C3 156.184 VML 12.497 OLA 3.98 RAL 164.14 RAD 6570.7 VEL 16.659 PTH 2.89 VMP 22.379 DPA 23.63 RAP 129.16 ECC 3.5704
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 43 26 2815.95 -28.24 82.99 62.01 92.23 7 30 22 2216.0 -27.63 74.38
 90.00 19 40 44 5212.52 26.29 234.13 58.03 79.08 21 7 36 4612.5 24.51 225.91
 100.00 8 6 39 2547.56 -29.79 63.18 61.94 92.61 8 49 6 1947.6 -29.11 54.44
 100.00 21 0 12 4956.14 27.81 214.94 57.69 78.58 22 22 48 4356.1 25.95 206.63
 110.00 9 19 10 2320.58 -34.01 45.67 61.67 93.70 9 57 54 1720.6 -33.12 36.54
 110.00 22 4 10 4755.90 31.94 198.72 56.66 77.12 23 23 26 4155.9 29.84 190.14

DIFFERENTIAL CORRECTIONS
 TOE .7379 TRA-1.8304 TC3 -.1337 BAU .2826 SGT 966.3 SGR 476.4 SG3 36.9 ORBIT DETERMINATION ACCURACY
 RDE -.9031 RRA -.5000 RC3 .0208 FAU .01345 RRT .0778 RRF -.0738 RTF -.6899 CRT -.6923 CRS -.7705 CST .9920
 FDE -.3856 FRA .7436 FC3 -.0745 BSP 2629 SGB 1077.4 R23 -.0031 R13 -.6902 LSA 669.5 MSA 249.3 SSA 14.8
 BDE 1.1662 BRA 1.8975 BC3 .1353 FSP -81 SG1 967.3 SG2 474.5 THA 2.89 EL1 547.6 EL2 233.5 ALF 135.24

LAUNCH DATE MAY 9 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 28 1967

HELIOCENTRIC CONIC
 RL 151.02 LAL -.00 LOL 227.70 VL 19.804 GAL 17.14 AZL 91.88 MCA 56.12 SMA 97.20 ECC .60564 INC 1.8841 V1 29.503
 RP 108.86 LAP -1.56 LOP 283.80 VP 32.754 GAP -36.72 AZP 91.05 TAL 168.02 TAP 224.14 RCA 38.33 APO 156.07 V2 34.810
 RC 62.843 GL -2.99 GP 2.40 ZAL 62.89 ZAP 23.64 ETS 187.63 ZAE 144.86 ETE 168.02 ZAC 135.22 ETC 25.18 CLP 23.52

PLANETOCENTRIC CONIC
 C3 141.934 VML 11.914 OLA 3.20 RAL 164.90 RAD 6570.5 VEL 16.225 PTH 2.85 VMP 21.498 DPA 23.33 RAP 131.02 ECC 3.3359
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 52 16 2774.31 -28.09 79.95 61.02 93.74 7 38 31 2174.3 -27.27 71.38
 90.00 19 37 53 5219.54 26.38 234.63 57.84 79.31 21 4 53 4619.5 24.63 226.39
 100.00 8 15 7 2507.11 -29.63 60.18 60.90 94.18 8 56 54 1907.1 -28.73 51.49
 100.00 20 57 44 4961.97 27.89 215.36 57.51 78.78 22 20 26 4362.0 26.06 207.03
 110.00 9 26 47 2282.77 -33.80 42.74 60.48 95.42 10 4 50 1682.8 -32.68 33.68
 110.00 22 2 33 4759.07 31.99 198.95 56.50 77.25 23 21 52 4159.1 29.91 190.36

DIFFERENTIAL CORRECTIONS
 TOE .7418 TRA-1.8342 TC3 -.1394 BAU .2685 SGT 1009.1 SGR 479.5 SG3 40.0 ORBIT DETERMINATION ACCURACY
 RDE -.8625 RRA -.4848 RC3 .0241 FAU .01368 RRT .0811 RRF -.0778 RTF -.7069 CRT -.6921 CRS -.7731 CST .9916
 FDE -.4036 FRA .7677 FC3 -.0834 BSP 2806 SGB 1117.2 R23 -.0040 R13 -.7072 LSA 694.9 MSA 253.2 SSA 15.0
 BDE 1.1376 BRA 1.8972 BC3 .1415 FSP -90 SG1 1010.1 SG2 477.4 THA 2.84 EL1 563.2 EL2 239.7 ALF 137.28

LAUNCH DATE MAY 9 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 30 1967

HELIOCENTRIC CONIC
 RL 151.02 LAL -.00 LOL 227.70 VL 20.338 GAL 16.41 AZL 92.01 MCA 59.28 SMA 98.75 ECC .58104 INC 2.0102 V1 29.503
 RP 108.88 LAP -1.73 LOP 286.96 VP 33.074 GAP -35.10 AZP 91.03 TAL 167.32 TAP 226.60 RCA 41.37 APO 156.13 V2 34.805
 RC 60.850 GL -3.45 GP 2.48 ZAL 61.96 ZAP 22.23 ETS 188.16 ZAE 145.73 ETE 166.74 ZAC 133.58 ETC 24.45 CLP 22.09

PLANETOCENTRIC CONIC
 C3 129.024 VML 11.359 OLA 2.42 RAL 165.58 RAD 6570.4 VEL 15.823 PTH 2.80 VMP 20.647 DPA 23.01 RAP 132.88 ECC 3.1234
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 0 52 2731.84 -27.86 76.87 59.91 95.28 7 46 24 2131.8 -26.84 68.35
 90.00 19 34 46 5225.90 26.46 235.08 57.53 79.52 21 1 52 4625.9 24.74 226.83
 100.00 8 23 20 2465.83 -29.38 57.14 59.74 95.76 9 4 26 1865.8 -28.27 48.51
 100.00 20 54 59 4967.14 27.96 215.73 57.21 78.97 22 17 46 4367.1 26.15 207.39
 110.00 9 34 10 2244.14 -33.51 39.76 59.19 97.16 10 11 34 1644.1 -32.16 30.79
 110.00 22 0 39 4761.60 32.03 199.14 56.23 77.36 23 20 0 4161.6 29.96 190.54

DIFFERENTIAL CORRECTIONS
 TOE .7462 TRA-1.8366 TC3 -.1446 BAU .2539 SGT 1053.2 SGR 481.9 SG3 43.2 ORBIT DETERMINATION ACCURACY
 RDE -.8224 RRA -.4692 RC3 .0278 FAU .01393 RRT .0843 RRF -.0820 RTF -.7234 CRT -.6922 CRS -.7756 CST .9913
 FDE -.4225 FRA .7922 FC3 -.0935 BSP 3000 SGB 1158.2 R23 -.0051 R13 -.7236 LSA 721.6 MSA 256.5 SSA 15.2
 BDE 1.1105 BRA 1.8956 BC3 .1472 FSP -99 SG1 1054.2 SG2 479.7 THA 2.79 EL1 579.8 EL2 245.2 ALF 139.38

LAUNCH DATE MAY 9 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 1 1967

HELIOCENTRIC CONIC
 RL 151.02 LAL -.00 LOL 227.70 VL 20.838 GAL 15.71 AZL 92.13 MCA 62.44 SMA 100.29 ECC .55716 INC 2.1281 V1 29.503
 RP 108.90 LAP -1.89 LOP 290.13 VP 33.379 GAP -33.54 AZP 90.98 TAL 166.64 TAP 229.08 RCA 44.41 APO 156.16 V2 34.800
 RC 58.919 GL -3.94 GP 2.58 ZAL 61.10 ZAP 20.83 ETS 188.78 ZAE 146.71 ETE 165.31 ZAC 131.93 ETC 23.76 CLP 20.68

PLANETOCENTRIC CONIC
 C3 117.327 VML 10.832 OLA 1.63 RAL 166.20 RAD 6570.2 VEL 15.449 PTH 2.76 VMP 19.824 DPA 22.68 RAP 134.74 ECC 2.9309
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 9 13 2688.54 -27.55 73.73 58.69 96.82 7 54 2 2088.5 -26.32 65.28
 90.00 19 31 22 5231.70 26.53 235.49 57.11 79.71 20 58 34 4631.7 24.84 227.22
 100.00 8 31 19 2423.72 -29.05 54.05 58.48 97.36 9 11 43 1823.7 -27.73 45.49
 100.00 20 51 58 4971.75 28.02 216.06 56.80 79.13 22 14 49 4371.7 26.25 207.71
 110.00 9 41 18 2204.67 -33.14 36.74 57.80 98.91 10 18 3 1604.7 -31.55 27.87
 110.00 21 58 28 4763.56 32.06 199.29 55.83 77.44 23 17 52 4163.6 30.00 190.68

DIFFERENTIAL CORRECTIONS
 TOE .7471 TRA-1.8414 TC3 -.1502 BAU .2408 SGT 1100.6 SGR 483.6 SG3 46.8 ORBIT DETERMINATION ACCURACY
 RDE -.7829 RRA -.4534 RC3 .0319 FAU .01420 RRT .0895 RRF -.0870 RTF -.7382 CRT -.6902 CRS -.7777 CST .9906
 FDE -.4416 FRA .8175 FC3 -.1048 BSP 3121 SGB 1202.2 R23 -.0053 R13 -.7385 LSA 748.5 MSA 259.7 SSA 15.3
 BDE 1.0821 BRA 1.8964 BC3 .1535 FSP -108 SG1 1101.7 SG2 481.2 THA 2.78 EL1 596.2 EL2 250.8 ALF 141.42

LAUNCH DATE MAY 9 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 3 1967

HELIOCENTRIC CONIC

DISTANCE 180.823

RL 151.02 LAL -.00 LOL 227.70 VL 21.307 GAL 15.03 AZL 92.24 MCA 65.61 SMA 101.81 ECC .53403 INC 2.2394 V1 29.503
 RP 108.91 LAP -2.04 LOP 293.29 VP 33.669 GAP -32.06 AZP 90.93 TAL 165.98 TAP 231.59 RCA 47.44 APO 156.17 V2 34.795
 RC 57.057 GL -4.46 GP 2.68 ZAL 60.30 ZAP 19.45 ETS 189.52 ZAE 147.79 ETE 163.69 ZAC 130.26 ETC 23.12 CLP 19.27

PLANETOCENTRIC CONIC

C3 106.724 VML 10.331 CLA .83 RAL 166.76 RAD 6570.0 VEL 15.102 PTH 2.72 VMP 19.028 DPA 22.34 RAP 136.61 ECC 2.7564
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 17 21 2644.37 -27.15 70.56 57.37 98.36 8 1 25 2044.4 -25.72 62.19
 90.00 19 27 40 5237.02 26.59 235.86 56.58 79.89 20 54 57 4637.0 24.93 227.59
 100.00 8 39 5 2380.75 -28.64 50.92 57.12 98.95 9 18 46 1780.7 -27.10 42.46
 100.00 20 48 38 4975.87 28.07 216.35 56.28 79.28 22 11 33 4375.9 26.30 208.00
 110.00 9 48 12 2164.37 -32.67 33.69 56.31 100.66 10 24 17 1564.4 -30.86 24.94
 110.00 21 55 59 4765.02 32.08 199.40 55.33 77.50 23 15 24 4165.0 30.03 190.78

DIFFERENTIAL CORRECTIONS

TOE .7507 TRA-1.8420 TC3 -.1541 BAU .2260
 RDE -.7439 RRA -.4374 RC3 .0366 FAU .01451
 FDE -.4621 FRA .8430 FC3 -.1177 BSP 3315
 BDE 1.0568 BRA 1.8932 BC3 .1584 FSP -119

MID-COURSE EXECUTION ACCURACY

SGT 1148.3 SGR 484.5 SG3 50.6
 RRT .0035 RRF -.0919 RTF -.7533
 SGB 1246.4 R23 -.0064 R13 -.7536
 SG1 1149.4 SG2 482.0 TMA 2.74

ORBIT DETERMINATION ACCURACY

ST 517.1 SR 418.9 SS 480.5
 CRT -.6900 CRS -.7801 CST .9901
 LSA 777.8 MSA 261.9 SSA 15.5
 EL1 614.7 EL2 255.1 ALF 143.54

LAUNCH DATE MAY 9 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 5 1967

HELIOCENTRIC CONIC

DISTANCE 187.165

RL 151.02 LAL -.00 LOL 227.70 VL 21.745 GAL 14.37 AZL 92.35 MCA 68.77 SMA 103.30 ECC .51170 INC 2.3453 V1 29.503
 RP 108.92 LAP -2.19 LOP 296.45 VP 33.944 GAP -30.63 AZP 90.85 TAL 165.35 TAP 234.12 RCA 50.44 APO 156.16 V2 34.792
 RC 55.270 GL -5.02 GP 2.80 ZAL 59.57 ZAP 18.09 ETS 190.41 ZAE 148.97 ETE 161.84 ZAC 128.57 ETC 22.52 CLP 17.88

PLANETOCENTRIC CONIC

C3 97.114 VML 9.855 DLA .02 RAL 167.25 RAD 6569.9 VEL 14.780 PTH 2.67 VMP 18.259 DPA 21.98 RAP 138.48 ECC 2.5982
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 25 16 2599.33 -26.67 67.36 55.97 99.90 8 8 36 1999.3 -25.03 59.07
 90.00 19 23 38 5241.98 26.65 236.21 55.94 80.06 20 51 0 4642.0 25.01 227.93
 100.00 8 46 58 2336.91 -28.13 47.76 55.67 100.54 9 25 35 1736.9 -26.39 39.39
 100.00 20 44 58 4979.63 28.12 216.62 55.65 79.41 22 7 58 4379.6 26.37 208.26
 110.00 9 54 54 2123.22 -32.11 30.61 54.73 102.41 10 30 17 1523.2 -30.07 21.99
 110.00 21 53 11 4766.08 32.09 199.47 54.71 77.55 23 12 37 4166.1 30.05 190.86

DIFFERENTIAL CORRECTIONS

TOE .7540 TRA-1.8416 TC3 -.1573 BAU .2113
 RDE -.7055 RRA -.4212 RC3 .0418 FAU .01486
 FDE -.4837 FRA .8692 FC3 -.1325 BSP 3507
 BDE 1.0326 BRA 1.8892 BC3 .1627 FSP -130

MID-COURSE EXECUTION ACCURACY

SGT 1197.8 SGR 484.8 SG3 54.8
 RRT .0980 RRF -.0973 RTF -.7676
 SGB 1292.2 R23 -.0076 R13 -.7679
 SG1 1198.9 SG2 482.0 TMA 2.71

ORBIT DETERMINATION ACCURACY

ST 543.6 SR 416.7 SS 504.1
 CRT -.6898 CRS -.7824 CST .9896
 LSA 808.4 MSA 263.5 SSA 15.7
 EL1 634.2 EL2 258.6 ALF 145.65

LAUNCH DATE MAY 9 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 7 1967

HELIOCENTRIC CONIC

DISTANCE 193.564

RL 151.02 LAL -.00 LOL 227.70 VL 22.156 GAL 13.74 AZL 92.45 MCA 71.93 SMA 104.77 ECC .49017 INC 2.4467 V1 29.503
 RP 108.93 LAP -2.33 LOP 299.61 VP 34.206 GAP -29.27 AZP 90.76 TAL 164.75 TAP 236.68 RCA 53.42 APO 156.13 V2 34.789
 RC 53.966 GL -5.61 GP 2.92 ZAL 58.90 ZAP 16.74 ETS 191.49 ZAE 150.25 ETE 159.72 ZAC 126.87 ETC 21.95 CLP 16.49

PLANETOCENTRIC CONIC

C3 88.404 VML 9.402 DLA -.80 RAL 167.67 RAD 6569.7 VEL 14.483 PTH 2.63 VMP 17.514 DPA 21.62 RAP 140.35 ECC 2.4549
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 33 0 2553.41 -26.09 64.12 54.47 101.42 8 15 33 1953.4 -24.25 55.93
 90.00 19 19 15 5246.70 26.71 236.55 55.20 80.22 20 46 42 4646.7 25.08 228.26
 100.00 8 53 58 2292.21 -27.54 44.57 54.13 102.12 9 32 11 1692.2 -25.59 36.31
 100.00 20 40 58 4983.13 28.16 216.87 54.91 79.54 22 4 1 4383.1 26.43 208.50
 110.00 10 1 22 2081.24 -31.45 27.51 53.09 104.13 10 36 3 1481.2 -29.19 19.03
 110.00 21 50 3 4766.87 32.11 199.53 53.98 77.58 23 9 30 4166.9 30.06 190.92

DIFFERENTIAL CORRECTIONS

TOE .7574 TRA-1.8395 TC3 -.1593 BAU .1964
 RDE -.6677 RRA -.4051 RC3 .0476 FAU .01525
 FDE -.5065 FRA .8959 FC3 -.1493 BSP 3709
 BDE 1.0097 BRA 1.8836 BC3 .1662 FSP -143

MID-COURSE EXECUTION ACCURACY

SGT 1248.8 SGR 484.3 SG3 59.4
 RRT .1028 RRF -.1032 RTF -.7813
 SGB 1339.4 R23 -.0089 R13 -.7816
 SG1 1250.0 SG2 481.2 TMA 2.68

ORBIT DETERMINATION ACCURACY

ST 571.2 SR 413.6 SS 528.9
 CRT -.6897 CRS -.7847 CST .9892
 LSA 840.7 MSA 264.4 SSA 15.8
 EL1 655.1 EL2 261.1 ALF 147.73

LAUNCH DATE MAY 9 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC

DISTANCE 200.013

RL 151.02 LAL -.00 LOL 227.70 VL 22.541 GAL 13.14 AZL 92.54 MCA 75.09 SMA 106.21 ECC .46947 INC 2.5444 V1 29.503
 RP 108.94 LAP -2.46 LOP 302.77 VP 34.454 GAP -27.96 AZP 90.66 TAL 164.18 TAP 239.27 RCA 56.35 APO 156.08 V2 34.786
 RC 51.953 GL -6.23 GP 3.06 ZAL 58.29 ZAP 15.40 ETS 192.80 ZAE 151.63 ETE 157.28 ZAC 125.16 ETC 21.42 CLP 15.70

PLANETOCENTRIC CONIC

C3 80.513 VML 8.973 DLA -1.63 RAL 168.02 RAD 6569.6 VEL 14.208 PTH 2.59 VMP 16.793 DPA 21.24 RAP 142.22 ECC 2.3250
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 40 33 2506.60 -25.42 60.86 52.91 102.92 8 22 19 1906.6 -23.39 52.78
 90.00 19 14 30 5251.34 26.76 236.88 54.36 80.37 20 42 1 4651.3 25.16 228.58
 100.00 9 1 8 2246.65 -26.84 41.36 52.53 103.67 9 38 35 1646.6 -24.70 33.22
 100.00 20 36 36 4986.53 28.20 217.12 54.07 79.66 21 59 42 4386.5 26.49 208.73
 110.00 10 7 39 2038.45 -30.70 24.40 51.37 105.83 10 41 37 1438.4 -28.23 16.08
 110.00 21 46 34 4767.49 32.11 199.58 53.16 77.61 23 6 2 4167.5 30.08 190.96

DIFFERENTIAL CORRECTIONS

TOE .7584 TRA-1.8384 TC3 -.1611 BAU .1828
 RDE -.6306 RRA -.3890 RC3 .0540 FAU .01566
 FDE -.5304 FRA .9238 FC3 -.1683 BSP 3856
 BDE .9864 BRA 1.8791 BC3 .1699 FSP -156

MID-COURSE EXECUTION ACCURACY

SGT 1302.8 SGR 483.0 SG3 64.3
 RRT .1094 RRF -.1100 RTF -.7936
 SGB 1389.4 R23 -.0097 R13 -.7939
 SG1 1304.0 SG2 479.7 TMA 2.69

ORBIT DETERMINATION ACCURACY

ST 598.9 SR 409.5 SS 554.6
 CRT -.6881 CRS -.7867 CST .9885
 LSA 873.8 MSA 265.1 SSA 16.0
 EL1 676.1 EL2 263.3 ALF 149.75

LAUNCH DATE MAY 9 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 206.508

RL 151.02 LAL -.00 LOL 227.70 VL 22.900 GAL 12.55 AZL 92.64 HCA 78.25 SMA 107.62 ECC .44960 INC 2.6394 V1 29.503
 RP 108.94 LAP -2.58 LOP 305.93 VP 34.689 GAP -26.71 AZP 90.54 TAL 163.65 TAP 241.90 RCA 59.24 APO 156.01 V2 34.785
 RC 50.440 GL -6.90 GP 3.21 ZAL 57.76 ZAP 14.08 ETS 194.43 ZAE 153.09 ETE 154.42 ZAC 123.43 ETC 20.92 CLP 13.72

PLANETOCENTRIC CONIC

C3 73.367 VHL 8.565 DLA -2.47 RAL 168.29 RAD 6569.4 VEL 13.954 PTH 2.55 VHP 16.096 DPA 20.86 RAP 144.08 ECC 2.2074
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 47 56 2458.91 -24.65 57.57 51.27 104.40 8 28 55 1858.9 -22.43 49.61
 90.00 19 9 20 5256.03 26.81 237.21 53.42 80.53 20 36 56 4656.0 25.23 228.90
 100.00 9 8 7 2200.23 -26.05 38.14 50.86 105.20 9 44 47 1600.2 -23.71 30.12
 100.00 20 31 50 4989.95 28.24 217.36 53.14 79.78 21 55 0 4390.0 26.54 208.97
 110.00 10 13 44 1994.86 -29.85 21.29 49.60 107.49 10 46 58 1394.9 -27.17 13.13
 110.00 21 42 43 4768.09 32.12 199.62 52.24 77.63 23 2 11 4168.1 30.09 191.00

DIFFERENTIAL CORRECTIONS

TDE .7618 TRA-1.8333 TC3 -.1603 BAU .1663
 RDE -.5942 RRA -.3731 RC3 .0612 FAU .01612
 FDE -.5562 FRA .9521 FC3 -.1903 BSP 4060
 BDE .9661 BRA 1.8709 BC3 .1716 FSP -172

MID-COURSE EXECUTION ACCURACY

SGT 1357.1 SGR 481.0 SG3 69.7
 RRT .1154 RRF -.1173 RTF -.8060
 SGB 1439.8 R23 -.0112 R13 -.8063
 SGI 1358.4 SG2 477.4 TMA 2.67

ORBIT DETERMINATION ACCURACY

ST 628.8 SR 404.5 SS 581.9
 CRT -.6880 CRS -.7888 CST .9880
 LSA 909.5 MSA 264.7 SSA 16.1
 EL1 699.5 EL2 263.9 ALF 151.75

LAUNCH DATE MAY 9 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC

DISTANCE 213.044

RL 151.02 LAL -.00 LOL 227.70 VL 23.237 GAL 11.99 AZL 92.73 HCA 81.41 SMA 109.00 ECC .43057 INC 2.7321 V1 29.503
 RP 108.94 LAP -2.70 LOP 309.10 VP 34.911 GAP -25.50 AZP 90.41 TAL 163.15 TAP 244.55 RCA 62.07 APO 155.93 V2 34.784
 RC 49.035 GL -7.61 GP 3.37 ZAL 57.29 ZAP 12.78 ETS 196.48 ZAE 154.61 ETE 151.07 ZAC 121.70 ETC 20.45 CLP 12.33

PLANETOCENTRIC CONIC

C3 66.898 VHL 8.179 DLA -3.33 RAL 168.50 RAD 6569.3 VEL 13.720 PTH 2.51 VHP 15.422 DPA 20.48 RAP 145.94 ECC 2.1010
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 55 10 2410.35 -23.79 54.28 49.59 105.83 8 35 20 1810.3 -21.39 46.43
 90.00 19 3 45 5260.97 26.87 237.56 52.39 80.70 20 31 26 4661.0 25.31 229.24
 100.00 9 14 57 2152.97 -25.17 34.91 49.14 106.68 9 50 50 1553.0 -22.65 27.02
 100.00 20 26 39 4993.58 28.29 217.62 52.11 79.91 21 49 52 4393.6 26.60 209.23
 110.00 10 19 37 1950.50 -28.90 18.19 47.79 109.10 10 52 8 1350.5 -26.02 10.19
 110.00 21 38 27 4768.82 32.13 199.68 51.23 77.66 22 57 56 4168.8 30.10 191.05

DIFFERENTIAL CORRECTIONS

TDE .7653 TRA-1.8264 TC3 -.1576 BAU .1539
 RDE -.5585 RRA -.3575 RC3 .0691 FAU .01664
 FDE -.5839 FRA .9814 FC3 -.2154 BSP 4269
 BDE .9474 BRA 1.8611 BC3 .1720 FSP -189

MID-COURSE EXECUTION ACCURACY

SGT 1412.9 SGR 478.3 SG3 75.6
 RRT .1223 RRF -.1255 RTF -.8178
 SGB 1491.7 R23 -.0129 R13 -.8181
 SGI 1414.3 SG2 474.2 TMA 2.67

ORBIT DETERMINATION ACCURACY

ST 659.8 SR 398.4 SS 610.8
 CRT -.6879 CRS -.7909 CST .9875
 LSA 947.3 MSA 263.6 SSA 16.2
 EL1 724.3 EL2 263.4 ALF 153.70

LAUNCH DATE MAY 9 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC

DISTANCE 219.617

RL 151.02 LAL -.00 LOL 227.70 VL 23.552 GAL 11.45 AZL 92.82 HCA 84.57 SMA 110.33 ECC .41237 INC 2.8234 V1 29.503
 RP 108.94 LAP -2.81 LOP 312.26 VP 35.121 GAP -24.34 AZP 90.27 TAL 162.68 TAP 247.25 RCA 64.83 APO 155.83 V2 34.784
 RC 47.750 GL -8.37 GP 3.55 ZAL 56.89 ZAP 11.50 ETS 199.09 ZAE 156.16 ETE 147.09 ZAC 119.97 ETC 20.00 CLP 10.94

PLANETOCENTRIC CONIC

C3 61.048 VHL 7.813 DLA -4.21 RAL 168.63 RAD 6569.1 VEL 13.506 PTH 2.47 VHP 14.769 DPA 20.10 RAP 147.79 ECC 2.0047
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 2 16 2360.92 -22.83 50.97 47.85 107.22 8 41 37 1760.9 -20.26 43.24
 90.00 18 57 42 5266.32 26.93 237.94 51.27 80.88 20 25 28 4666.3 25.39 229.61
 100.00 9 21 38 2104.88 -24.19 31.67 47.38 108.12 9 56 43 1504.9 -21.49 23.92
 100.00 20 21 1 4997.59 28.34 217.91 51.00 80.06 21 44 18 4397.6 26.67 209.51
 110.00 10 25 21 1905.40 -27.86 15.09 45.95 110.66 10 57 7 1305.4 -24.79 7.27
 110.00 21 33 47 4769.84 32.15 199.75 50.14 77.70 22 53 16 4169.8 30.12 191.13

DIFFERENTIAL CORRECTIONS

TDE .7694 TRA-1.8177 TC3 -.1526 BAU .1398
 RDE -.5234 RRA -.3423 RC3 .0778 FAU .01722
 FDE -.6139 FRA 1.0118 FC3 -.2442 BSP 4485
 BDE .9306 BRA 1.8496 BC3 .1713 FSP -207

MID-COURSE EXECUTION ACCURACY

SGT 1470.2 SGR 474.8 SG3 82.0
 RRT .1301 RRF -.1349 RTF -.8290
 SGB 1545.0 R23 -.0149 R13 -.8293
 SGI 1471.7 SG2 470.3 TMA 2.68

ORBIT DETERMINATION ACCURACY

ST 692.2 SR 391.2 SS 641.3
 CRT -.6880 CRS -.7929 CST .9871
 LSA 987.3 MSA 261.7 SSA 16.3
 EL1 750.8 EL2 261.7 ALF 155.59

LAUNCH DATE MAY 9 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 226.222

RL 151.02 LAL -.00 LOL 227.70 VL 23.846 GAL 10.93 AZL 92.91 HCA 87.73 SMA 111.62 ECC .39501 INC 2.9136 V1 29.503
 RP 108.94 LAP -2.91 LOP 315.42 VP 35.320 GAP -23.23 AZP 90.12 TAL 162.25 TAP 249.98 RCA 67.53 APO 155.72 V2 34.785
 RC 46.594 GL -9.17 GP 3.75 ZAL 56.57 ZAP 10.25 ETS 202.46 ZAE 157.71 ETE 142.36 ZAC 118.23 ETC 19.59 CLP 9.55

PLANETOCENTRIC CONIC

C3 55.761 VHL 7.467 DLA -5.11 RAL 168.69 RAD 6569.0 VEL 13.309 PTH 2.43 VHP 14.137 DPA 19.72 RAP 149.64 ECC 1.9177
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 9 15 2310.64 -21.78 47.66 46.09 108.56 8 47 46 1710.6 -19.04 40.05
 90.00 18 51 9 5272.31 26.99 238.37 50.08 81.09 20 19 1 4672.3 25.48 230.03
 100.00 9 28 12 2056.00 -23.12 28.43 45.59 109.50 10 2 28 1456.0 -20.25 20.81
 100.00 20 14 54 5002.19 28.39 218.24 49.82 80.22 21 38 16 4402.2 26.75 209.82
 110.00 10 30 55 1859.60 -26.72 12.02 44.08 112.16 11 1 55 1259.6 -23.48 4.36
 110.00 21 28 39 4771.35 32.17 199.87 48.97 77.77 22 48 10 4171.3 30.15 191.23

DIFFERENTIAL CORRECTIONS

TDE .7737 TRA-1.8071 TC3 -.1452 BAU .1263
 RDE -.4891 RRA -.3274 RC3 .0874 FAU .01785
 FDE -.6464 FRA 1.0433 FC3 -.2771 BSP 4700
 BDE .9153 BRA 1.8365 BC3 .1695 FSP -227

MID-COURSE EXECUTION ACCURACY

SGT 1528.8 SGR 470.6 SG3 89.1
 RRT .1391 RRF -.1456 RTF -.8396
 SGB 1599.6 R23 -.0170 R13 -.8399
 SGI 1530.4 SG2 465.6 TMA 2.70

ORBIT DETERMINATION ACCURACY

ST 725.8 SR 382.8 SS 673.8
 CRT -.6880 CRS -.7947 CST .9867
 LSA 1029.5 MSA 259.2 SSA 16.4
 EL1 778.7 EL2 259.0 ALF 157.42

LAUNCH DATE MAY 9 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 232.855

RL 151.02 LAL -.00 LOL 227.70 VL 24.121 GAL 10.43 AZL 93.00 MCA 90.89 SMA 112.87 ECC .37846 INC 3.0036 V1 29.503
 RP 108.94 LAP -3.00 LOP 318.59 VP 35.507 GAP -22.15 AZP 89.95 TAL 161.86 TAP 252.74 RCA 70.16 APO 155.59 V2 34.786
 RC 45.578 GL -10.02 GP 3.96 ZAL 56.32 ZAP 9.06 ETS 206.91 ZAE 159.19 ETE 136.70 ZAC 116.50 ETC 19.19 CLP 8.15

PLANETOCENTRIC CONIC

C3 50.989 VML 7.141 DLA -6.03 RAL 168.66 RAD 6568.9 VEL 13.128 PTH 2.40 VHP 13.527 DPA 19.35 RAP 151.47 ECC 1.8391
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 16 9 2259.51 -20.63 44.35 44.29 109.83 8 53 49 1659.5 -17.74 36.87
 90.00 18 44 4 5279.15 27.06 238.86 48.82 81.32 20 12 3 4679.1 25.58 230.50
 100.00 9 34 39 2006.32 -21.99 25.21 43.77 110.81 10 8 5 1406.3 -18.93 17.72
 100.00 20 8 16 5007.57 28.45 218.63 48.57 80.42 21 31 43 4407.6 26.83 210.20
 110.00 10 36 21 1813.14 -25.49 8.97 42.19 113.59 11 6 34 1213.1 -22.08 1.47
 110.00 21 23 3 4773.52 32.20 200.03 47.74 77.86 22 42 37 4173.5 30.19 191.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7787 TRA-1.7946 TC3 -.1348 BAU .1136 SGT 1588.7 SGR 465.8 SG3 96.8 ST 761.0 SR 373.2 SS 708.4
 ROE -.4554 RRA -.3132 RC3 .0979 FAU .01855 RRT .1495 RRF -.1579 RTF -.8496 CRT -.6880 CRS -.7963 CST .9863
 FOE -.6819 FRA 1.0761 FC3 -.3150 BSP 4920 SGB 1655.6 R23 -.0194 R13 -.8499 LSA 1074.4 MSA 256.0 SSA 16.5
 BOE .9021 BRA 1.8217 BC3 .1666 FSP -250 SG1 1590.4 SG2 460.0 TMA 2.74 EL1 808.3 EL2 255.0 ALF 159.19

LAUNCH DATE MAY 9 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 239.513

RL 151.02 LAL -.00 LOL 227.70 VL 24.377 GAL 9.95 AZL 93.09 MCA 94.05 SMA 114.08 ECC .36272 INC 3.0936 V1 29.503
 RP 108.93 LAP -3.09 LOP 321.75 VP 35.684 GAP -21.12 AZP 89.78 TAL 161.50 TAP 255.55 RCA 72.70 APO 155.46 V2 34.788
 RC 44.711 GL -10.93 GP 4.21 ZAL 56.15 ZAP 7.94 ETS 212.88 ZAE 160.53 ETE 129.99 ZAC 114.76 ETC 18.82 CLP 6.74

PLANETOCENTRIC CONIC

C3 46.686 VML 6.833 DLA -6.97 RAL 168.56 RAD 6568.7 VEL 12.963 PTH 2.36 VHP 12.936 DPA 18.98 RAP 153.30 ECC 1.7683
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 23 1 2207.55 -19.40 41.04 42.48 111.04 8 59 48 1607.5 -16.36 33.67
 90.00 18 36 25 5287.07 27.14 239.42 47.50 81.60 20 4 32 4687.1 25.70 231.05
 100.00 9 41 1 1955.88 -20.70 21.98 41.94 112.06 10 13 37 1355.9 -17.52 14.63
 100.00 20 1 5 5013.96 28.52 219.09 47.26 80.65 21 24 39 4414.0 26.94 210.65
 110.00 10 41 39 1766.05 -24.17 5.94 40.30 114.94 11 11 5 1166.1 -20.61 358.61
 110.00 21 16 57 4776.56 32.25 200.25 46.45 77.99 22 36 33 4176.6 30.25 191.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7842 TRA-1.7800 TC3 -.1212 BAU .1019 SGT 1649.5 SGR 460.3 SG3 105.3 ST 797.5 SR 362.2 SS 745.3
 ROE -.4223 RRA -.2996 RC3 .1095 FAU .01933 RRT .1618 RRF -.1723 RTF -.8591 CRT -.6877 CRS -.7974 CST .9859
 FOE -.7207 FRA 1.1104 FC3 -.3584 BSP 5143 SGB 1712.6 R23 -.0222 R13 -.8595 LSA 1122.0 MSA 252.1 SSA 16.6
 BOE .8907 BRA 1.8050 BC3 .1633 FSP -275 SG1 1651.4 SG2 453.7 TMA 2.80 EL1 839.5 EL2 249.8 ALF 160.90

LAUNCH DATE MAY 9 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 246.191

RL 151.02 LAL -.00 LOL 227.70 VL 24.616 GAL 9.49 AZL 93.18 MCA 97.21 SMA 115.24 ECC .34778 INC 3.1844 V1 29.503
 RP 108.92 LAP -3.16 LOP 324.92 VP 35.851 GAP -20.12 AZP 89.60 TAL 161.19 TAP 258.40 RCA 75.16 APO 155.32 V2 34.791
 RC 44.000 GL -11.90 GP 4.48 ZAL 56.07 ZAP 6.94 ETS 220.95 ZAE 161.65 ETE 122.15 ZAC 113.03 ETC 18.47 CLP 5.31

PLANETOCENTRIC CONIC

C3 42.813 VML 6.543 DLA -7.94 RAL 168.38 RAD 6568.6 VEL 12.813 PTH 2.33 VHP 12.365 DPA 18.64 RAP 155.12 ECC 1.7046
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 29 50 2154.74 -18.07 37.73 40.66 112.18 9 5 45 1554.7 -14.91 30.48
 90.00 18 28 8 5296.32 27.23 240.08 46.13 81.92 19 56 25 4696.3 25.83 231.70
 100.00 9 47 21 1904.69 -19.36 18.78 40.10 113.23 10 19 5 1304.7 -16.05 11.55
 100.00 19 53 19 5021.61 28.61 219.65 45.90 80.93 21 17 0 4421.6 27.06 211.19
 110.00 10 46 51 1718.38 -22.77 2.95 38.41 116.21 11 15 29 1118.4 -19.06 355.78
 110.00 21 10 18 4780.68 32.30 200.56 45.11 78.16 22 29 59 4180.7 30.34 191.90

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7905 TRA-1.7637 TC3 -.1042 BAU .0919 SGT 1711.6 SGR 454.2 SG3 114.6 ST 835.5 SR 349.8 SS 784.8
 ROE -.3899 RRA -.2867 RC3 .1220 FAU .02018 RRT .1765 RRF -.1892 RTF -.8680 CRT -.6870 CRS -.7979 CST .9857
 FOE -.7635 FRA 1.1464 FC3 -.4080 BSP 5366 SGB 1770.8 R23 -.0252 R13 -.8684 LSA 1172.5 MSA 247.7 SSA 16.6
 BOE .8814 BRA 1.7869 BC3 .1605 FSP -302 SG1 1713.6 SG2 446.6 TMA 2.88 EL1 872.4 EL2 243.4 ALF 162.55

LAUNCH DATE MAY 9 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 252.885

RL 151.02 LAL -.00 LOL 227.70 VL 24.839 GAL 9.05 AZL 93.28 MCA 100.37 SMA 116.36 ECC .33362 INC 3.2764 V1 29.503
 RP 108.91 LAP -3.22 LOP 328.09 VP 36.008 GAP -19.15 AZP 89.41 TAL 160.91 TAP 261.29 RCA 77.54 APO 155.18 V2 34.795
 RC 43.455 GL -12.92 GP 4.77 ZAL 56.06 ZAP 6.14 ETS 231.75 ZAE 162.43 ETE 113.26 ZAC 111.31 ETC 18.15 CLP 3.87

PLANETOCENTRIC CONIC

C3 39.333 VML 6.272 DLA -8.94 RAL 168.12 RAD 6568.5 VEL 12.677 PTH 2.30 VHP 11.812 DPA 18.32 RAP 156.92 ECC 1.6473
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 36 40 2101.09 -16.66 34.42 38.84 115.25 9 11 41 1501.1 -13.38 27.29
 90.00 18 19 13 5307.17 27.33 240.86 44.72 82.29 19 47 40 4707.2 25.98 232.45
 100.00 9 53 39 1852.74 -17.93 15.58 38.26 114.33 10 24 31 1252.7 -14.49 8.47
 100.00 19 44 55 5030.75 28.70 220.31 44.49 81.27 21 8 45 4430.8 27.20 211.83
 110.00 10 51 57 1670.16 -21.29 359.99 36.53 117.40 11 19 47 1070.2 -17.45 352.97
 110.00 21 3 6 4786.10 32.38 200.97 43.73 78.39 22 22 52 4186.1 30.44 192.29

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7977 TRA-1.7453 TC3 -.0832 BAU .0837 SGT 1774.0 SGR 447.7 SG3 124.8 ST 875.0 SR 335.8 SS 827.2
 ROE -.3579 RRA -.2747 RC3 .1358 FAU .02112 RRT .1939 RRF -.2092 RTF -.8764 CRT -.6855 CRS -.7976 CST .9854
 FOE -.8108 FRA 1.1842 FC3 -.4648 BSP 5587 SGB 1829.7 R23 -.0287 R13 -.8769 LSA 1226.2 MSA 242.7 SSA 16.7
 BOE .8743 BRA 1.7667 BC3 .1592 FSP -332 SG1 1776.3 SG2 438.7 TMA 2.98 EL1 907.0 EL2 235.8 ALF 164.16

LAUNCH DATE MAY 9 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 259.593
 RL 151.02 LAL -.00 LOL 227.70 VL 25.047 GAL 8.63 AZL 93.37 MCA 103.53 SMA 117.42 ECC .32023 INC 3.3704 V1 29.503
 RP 108.90 LAP -3.28 LOP 331.25 VP 36.155 GAP -18.22 A7P 89.21 TAL 160.68 TAP 264.21 RCA 79.82 APO 155.03 V2 34.799
 RC 43.079 GL -14.00 GP 5.11 ZAL 56.14 ZAP 5.65 ETS 245.50 ZAE 162.80 ETE 103.61 ZAC 109.59 ETC 17.83 CLP 2.41

PLANETOCENTRIC CONIC

C3 36.211 VHL 6.018 OLA -9.98 RAL 167.77 RAD 6568.4 VEL 12.553 PTH 2.27 VMP 11.279 DPA 18.02 RAP 158.71 ECC 1.5959
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 43 32 2046.57 -15.17 31.12 37.03 114.20 9 17 39 1446.6 -11.77 24.08
 90.00 18 9 34 5319.90 27.45 241.78 43.26 82.74 19 38 14 4719.9 26.16 233.35
 100.00 9 59 57 1800.05 -16.42 12.39 36.43 115.33 10 29 57 1200.0 -12.88 5.39
 100.00 19 35 50 5041.66 28.81 221.10 43.05 81.67 20 59 52 4441.7 27.36 212.60
 110.00 10 57 0 1621.42 -19.73 357.07 34.67 118.49 11 24 1 1021.4 -15.78 350.18
 110.00 20 55 17 4793.05 32.47 201.49 42.32 78.68 22 15 10 4193.1 30.57 192.78

DIFFERENTIAL CORRECTIONS

TDE .8063 TRA-1.7247 TC3 -.0576 BAU .0781
 RDE -.3263 RRA -.2637 RC3 .1507 FAU .02216
 FDE -.8637 FRA 1.2240 FC3 -.5299 BSP .5812
 BDE .8699 BRA 1.7447 BC3 .1613 FSP -366

MID-COURSE EXECUTION ACCURACY

SGT 1836.9 SGR 440.9 SG3 136.1
 RRT .2148 RRF -.2328 RTF -.8844
 SGB 1889.1 R23 -.0327 R13 -.8849
 SGI 1839.5 SG2 430.0 THA 3.12

ORBIT DETERMINATION ACCURACY

ST 916.3 SR 320.1 SS 873.0
 CRT -.6830 CRS -.7961 CST .9853
 LSA 1283.6 MSA 237.1 SSA 16.7
 EL1 943.7 EL2 227.0 ALF 165.74

LAUNCH DATE MAY 9 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 266.312
 RL 151.02 LAL -.00 LOL 227.70 VL 25.240 GAL 8.23 AZL 93.47 MCA 106.70 SMA 118.44 ECC .30758 INC 3.4669 V1 29.503
 RP 108.88 LAP -3.32 LOP 334.42 VP 36.294 GAP -17.32 A7P 89.00 TAL 160.49 TAP 267.18 RCA 82.01 APO 154.87 V2 34.804
 RC 42.876 GL -15.15 GP 5.48 ZAL 56.30 ZAP 5.56 ETS 261.16 ZAE 162.69 ETE 93.76 ZAC 107.89 ETC 17.54 CLP .92

PLANETOCENTRIC CONIC

C3 33.419 VHL 5.781 OLA -11.04 RAL 167.34 RAD 6568.3 VEL 12.441 PTH 2.25 VMP 10.764 DPA 17.76 RAP 160.48 ECC 1.5500
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 50 31 1991.14 -13.60 27.81 35.24 115.08 9 23 42 1391.1 -10.10 20.87
 90.00 17 59 8 5334.81 27.57 242.85 41.79 83.26 19 28 3 4734.8 26.35 234.40
 100.00 10 6 19 1746.58 -14.84 9.21 34.63 116.25 10 35 26 1146.6 -11.19 2.32
 100.00 19 26 1 5054.61 28.94 222.04 41.59 82.15 20 50 16 4454.6 27.55 213.51
 110.00 11 2 0 1572.18 -18.11 354.17 32.82 119.50 11 28 13 972.2 -14.04 347.42
 110.00 20 46 49 4801.78 32.59 202.14 40.89 79.05 22 6 51 4201.8 30.73 193.41

DIFFERENTIAL CORRECTIONS

TDE .8160 TRA-1.7025 TC3 -.0281 BAU .0756
 RDE -.2951 RRA -.2538 RC3 .1668 FAU .02331
 FDE -.9225 FRA 1.2662 FC3 -.6038 BSP 6028
 BDE .8677 BRA 1.7213 BC3 .1691 FSP -403

MID-COURSE EXECUTION ACCURACY

SGT 1900.2 SGR 434.0 SG3 148.6
 RRT .2398 RRF -.2611 RTF -.8919
 SGB 1949.2 R23 -.0372 R13 -.8925
 SGI 1903.2 SG2 420.7 THA 3.30

ORBIT DETERMINATION ACCURACY

ST 959.2 SR 302.4 SS 922.3
 CRT -.6786 CRS -.7927 CST .9853
 LSA 1344.8 MSA 231.2 SSA 16.7
 EL1 982.1 EL2 217.0 ALF 167.29

LAUNCH DATE MAY 9 1967

FLIGHT TIME 114.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 273.037
 RL 151.02 LAL -.00 LOL 227.70 VL 25.420 GAL 7.85 AZL 93.57 MCA 109.86 SMA 119.41 ECC .29566 INC 3.5667 V1 29.503
 RP 108.87 LAP -3.35 LOP 337.59 VP 36.425 GAP -16.46 A7P 88.79 TAL 160.33 TAP 270.19 RCA 84.11 APO 154.72 V2 34.809
 RC 42.849 GL -16.36 GP 5.90 ZAL 56.54 ZAP 5.93 ETS 276.41 ZAE 162.11 ETE 84.31 ZAC 106.20 ETC 17.26 CLP -1.60

PLANETOCENTRIC CONIC

C3 30.928 VHL 5.561 OLA -12.14 RAL 166.82 RAD 6568.2 VEL 12.341 PTH 2.23 VMP 10.267 DPA 17.54 RAP 162.24 ECC 1.5090
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 57 39 1934.72 -11.94 24.49 33.47 115.87 9 29 53 1334.7 -8.37 17.63
 90.00 17 47 52 5352.24 27.70 244.11 40.29 83.88 19 17 5 4752.2 26.56 235.63
 100.00 10 12 47 1692.30 -13.18 6.03 32.84 117.07 10 40-54 1092.3 -9.44 359.23
 100.00 19 15 25 5069.89 29.07 223.16 40.11 82.72 20 39 55 4469.9 27.76 214.60
 110.00 11 7 1 1522.45 -16.42 351.31 31.01 120.41 11 32 24 922.4 -12.26 344.67
 110.00 20 37 40 4812.51 32.72 202.95 39.45 79.51 21-57 53 4212.5 30.93 194.19

DIFFERENTIAL CORRECTIONS

TDE .8290 TRA-1.6825 TC3 .0046 BAU .0762
 RDE -.2639 RRA -.2450 RC3 .1843 FAU .02458
 FDE -.9888 FRA 1.3108 FC3 -.6881 BSP 6363
 BDE .8700 BRA 1.7002 BC3 .1844 FSP -444

MID-COURSE EXECUTION ACCURACY

SGT 1968.1 SGR 427.3 SG3 162.4
 RRT .2695 RRF -.2946 RTF -.8985
 SGB 2013.9 R23 -.0430 R13 -.8991
 SGI 1971.6 SG2 410.8 THA 3.50

ORBIT DETERMINATION ACCURACY

ST 1006.1 SR 282.8 SS 975.8
 CRT -.6713 CRS -.7868 CST .9853
 LSA 1411.9 MSA 225.2 SSA 16.6
 EL1 1024.7 EL2 205.8 ALF 168.86

LAUNCH DATE MAY 9 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 279.766
 RL 151.02 LAL -.00 LOL 227.70 VL 25.587 GAL 7.49 AZL 93.67 MCA 113.02 SMA 120.33 ECC .28444 INC 3.6706 V1 29.503
 RP 108.85 LAP -3.38 LOP 340.77 VP 36.547 GAP -15.62 A7P 88.56 TAL 160.22 TAP 273.24 RCA 86.11 APO 154.56 V2 34.815
 RC 42.995 GL -17.64 GP 6.38 ZAL 56.88 ZAP 6.73 ETS 289.20 ZAE 161.12 ETE 75.79 ZAC 104.52 ETC 16.99 CLP -2.16

PLANETOCENTRIC CONIC

C3 28.715 VHL 5.359 OLA -13.29 RAL 166.22 RAD 6568.2 VEL 12.251 PTH 2.20 VMP 9.787 DPA 17.37 RAP 163.98 ECC 1.4726
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 5 0 1877.22 -10.21 21.15 31.74 116.55 9 36 18 1277.2 -6.57 14.37
 90.00 17 35 41 5372.53 27.84 245.58 38.79 84.60 19 5 14 4772.5 26.80 237.06
 100.00 10 19 25 1637.15 -11.45 2.85 31.10 117.80 10 46 42 1037.1 -7.64 356.14
 100.00 19 3 58 5087.84 29.22 224.47 38.63 83.40 20 28 45 4487.8 28.00 215.88
 110.00 11 12 4 1472.22 -14.67 348.47 29.23 121.23 11 36 37 872.2 -10.42 341.94
 110.00 20 27 48 4825.53 32.88 203.93 38.01 80.08 21 48 13 4225.5 31.16 195.13

DIFFERENTIAL CORRECTIONS

TDE .8411 TRA-1.6512 TC3 .0454 BAU .0799
 RDE -.2325 RRA -.2378 RC3 .2032 FAU .02599
 FDE -1.0636 FRA 1.3580 FC3 -.7836 BSP 6478
 BDE .8727 BRA 1.6682 BC3 .2082 FSP -489

MID-COURSE EXECUTION ACCURACY

SGT 2025.3 SGR 421.3 SG3 177.6
 RRT .3058 RRF -.3348 RTF -.9057
 SGB 2068.7 R23 -.0489 R13 -.9064
 SGI 2029.6 SG2 400.3 THA 3.79

ORBIT DETERMINATION ACCURACY

ST 1051.2 SR 260.8 SS 1033.7
 CRT -.6601 CRS -.7765 CST .9855
 LSA 1481.1 MSA 218.3 SSA 16.5
 EL1 1065.7 EL2 193.2 ALF 170.38

LAUNCH DATE MAY 9 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 286.497

RL 151.02 LAL -.00 LOL 227.70 VL 25.742 GAL 7.14 AZL 93.78 MCA 116.19 SMA 121.21 ECC .27391 INC 3.7796 V1 29.503
 RP 108.83 LAP -3.39 LOP 345.94 VP 36.662 GAP -14.80 AZP 88.33 TAL 160.14 TAP 276.33 RCA 88.01 APO 154.41 V2 34.822
 RC 43.312 GL -19.00 GP 6.92 ZAL 57.30 ZAP 7.86 ETS 298.93 ZAE 159.79 ETE 68.47 ZAC 102.87 ETC 16.73 CLP -3.75

PLANETOCENTRIC CONIC

C3 26.757 VML 5.173 DLA -14.47 RAL 165.52 RAD 6568.1 VEL 12.171 PTH 2.18 VHP 9.326 DPA 17.27 RAP 165.71 ECC 1.4404
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 12 41 1818.47 -8.41 17.78 30.05 117.14 9 43 0 1218.5 -4.70 11.06
 90.00 17 22 29 5396.11 27.98 247.29 37.29 85.45 18 52 25 4796.1 27.09 238.74
 100.00 10 26 17 1581.00 -9.65 359.66 29.39 118.43 10 52 38 981.0 -5.77 353.01
 100.00 18 51 34 5108.82 29.37 226.01 37.15 84.20 20 16 43 4508.8 28.26 217.39
 110.00 11 17 13 1421.49 -12.86 345.65 27.49 121.95 11 40 54 821.5 -8.54 339.21
 110.00 20 17 8 4841.09 33.06 205.11 36.58 80.75 21 57 49 4241.1 31.43 196.27

DIFFERENTIAL CORRECTIONS

TDE .8562 TRA-1.6231 TC3 .0889 BAU .0861
 RDE -.2008 RRA -.2321 RC3 .2236 FAU .02755
 FDE-1.1485 FRA 1.4084 FC3 -.8912 BSP 6694
 BDE .8794 BRA 1.6396 BC3 .2406 FSP -540

MID-COURSE EXECUTION ACCURACY

SGT 2086.9 SGR 416.4 SG3 194.4
 RRT .3490 RRF -.3821 RTF -.9119
 SGB 2128.1 R23 -.0559 R13 -.9127
 SGI 2092.2 SG2 389.3 TMA 4.13

ORBIT DETERMINATION ACCURACY

ST 1099.9 SR 236.3 SS 1096.7
 CRT -.6A06 CRS -.7592 CST .9858
 LSA 1556.6 MSA 211.8 SSA 16.3
 EL1 1110.5 EL2 179.7 ALF 171.95

LAUNCH DATE MAY 9 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 293.227

RL 151.02 LAL -.00 LOL 227.70 VL 25.885 GAL 6.82 AZL 93.89 MCA 119.36 SMA 122.03 ECC .26405 INC 3.8947 V1 29.503
 RP 108.80 LAP -3.39 LOP 347.11 VP 36.770 GAP -14.02 AZP 88.09 TAL 160.10 TAP 279.46 RCA 89.81 APO 154.25 V2 34.830
 RC 43.796 GL -20.42 GP 7.53 ZAL 57.81 ZAP 9.25 ETS 306.03 ZAE 158.22 ETE 62.40 ZAC 101.24 ETC 16.48 CLP -5.39

PLANETOCENTRIC CONIC

C3 25.036 VML 5.004 DLA -15.69 RAL 164.74 RAD 6568.0 VEL 12.100 PTH 2.17 VHP 8.881 DPA 17.25 RAP 167.43 ECC 1.4120
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 20 48 1758.26 -6.52 14.36 28.41 117.62 9 50 7 1158.3 -2.77 7.68
 90.00 17 8 9 5423.45 28.11 249.28 35.80 86.44 18 38 32 4823.4 27.32 240.70
 100.00 10 33 30 1523.71 -7.77 356.44 27.74 118.95 10 58 53 923.7 -3.85 349.84
 100.00 18 38 9 5133.22 29.53 227.81 35.68 85.13 20 3 42 4533.2 28.54 219.15
 110.00 11 22 30 1370.18 -10.99 342.85 25.79 122.57 11 45 21 770.2 -6.62 336.49
 110.00 20 5 37 4859.52 33.25 206.52 35.18 81.56 21 26 37 4259.5 31.73 197.62

DIFFERENTIAL CORRECTIONS

TDE .8732 TRA-1.5931 TC3 .1359 BAU .0940
 RDE -.1681 RRA -.2281 RC3 .2456 FAU .02925
 FDE-1.2449 FRA 1.4620 FC3-1.0116 BSP 6902
 BDE .8892 BRA 1.6093 BC3 .2807 FSP -596

MID-COURSE EXECUTION ACCURACY

SGT 2146.7 SGR 413.7 SG3 213.1
 RRT .3998 RRF -.4375 RTF -.9177
 SGB 2186.2 R23 -.0642 R13 -.9187
 SGI 2153.3 SG2 378.0 TMA 4.55

ORBIT DETERMINATION ACCURACY

ST 1150.2 SR 209.2 SS 1165.0
 CRT -.6077 CRS -.7298 CST .9861
 LSA 1637.5 MSA 205.4 SSA 16.1
 EL1 1157.3 EL2 165.1 ALF 173.56

LAUNCH DATE MAY 9 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 299.955

RL 151.02 LAL -.00 LOL 227.70 VL 26.018 GAL 6.51 AZL 94.02 MCA 122.53 SMA 122.81 ECC .25482 INC 4.0172 V1 29.503
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.871 GAP -13.25 AZP 87.84 TAL 160.10 TAP 282.62 RCA 91.52 APO 154.10 V2 34.838
 RC 44.440 GL -21.92 GP 8.23 ZAL 58.40 ZAP 10.84 ETS 311.14 ZAE 156.51 ETE 57.50 ZAC 99.64 ETC 16.24 CLP -7.08

PLANETOCENTRIC CONIC

C3 23.535 VML 4.851 DLA -16.98 RAL 163.88 RAD 6568.0 VEL 12.038 PTH 2.15 VHP 8.454 DPA 17.31 RAP 169.13 ECC 1.3873
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 29 31 1696.24 -4.55 10.87 26.84 117.98 9 57 47 1096.2 -.77 4.22
 90.00 16 52 32 5455.12 28.22 251.59 34.33 87.59 18 23 27 4855.1 27.59 242.98
 100.00 10 41 9 1465.05 -5.83 353.17 26.14 119.37 11 5 34 865.1 -1.87 346.62
 100.00 18 23 34 5161.54 29.67 229.90 34.24 86.22 19 49 36 4561.5 28.84 221.20
 110.00 11 28 1 1318.22 -9.07 340.05 24.16 123.10 11 50 0 718.2 -4.65 333.75
 110.00 19 53 11 4881.13 33.45 208.17 33.80 82.52 21 14 33 4281.1 32.06 199.22

DIFFERENTIAL CORRECTIONS

TDE .8930 TRA-1.5608 TC3 .1866 BAU .1032
 RDE -.1341 RRA -.2262 RC3 .2696 FAU .03114
 FDE-1.3554 FRA 1.5188 FC3-1.1455 BSP 7113
 BDE .9031 BRA 1.5771 BC3 .3279 FSP -660

MID-COURSE EXECUTION ACCURACY

SGT 2204.3 SGR 414.1 SG3 233.7
 RRT .4584 RRF -.5008 RTF -.9232
 SGB 2242.9 R23 -.0737 R13 -.9243
 SGI 2212.7 SG2 366.6 TMA 5.06

ORBIT DETERMINATION ACCURACY

ST 1202.8 SR 179.4 SS 1239.6
 CRT -.5497 CRS -.6773 CST .9866
 LSA 1725.0 MSA 199.0 SSA 15.7
 EL1 1206.9 EL2 149.3 ALF 175.24

LAUNCH DATE MAY 9 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 306.677

RL 151.02 LAL -.00 LOL 227.70 VL 26.140 GAL 6.22 AZL 94.15 MCA 125.70 SMA 123.54 ECC .24622 INC 4.1488 V1 29.503
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.966 GAP -12.52 AZP 87.58 TAL 160.13 TAP 285.82 RCA 93.12 APO 153.96 V2 34.846
 RC 45.237 GL -23.49 GP 9.03 ZAL 59.07 ZAP 12.61 ETS 314.79 ZAE 154.72 ETE 53.64 ZAC 98.07 ETC 16.00 CLP -8.83

PLANETOCENTRIC CONIC

C3 22.240 VML 4.716 DLA -18.28 RAL 162.92 RAD 6567.9 VEL 11.984 PTH 2.14 VHP 8.045 DPA 17.49 RAP 170.82 ECC 1.3660
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 39 0 1631.95 -2.49 7.27 25.36 118.22 10 6 12 1031.9 1.30 .64
 90.00 16 35 26 5491.87 28.30 254.27 32.88 88.94 18 6 58 4891.9 27.85 245.64
 100.00 10 49 26 1404.68 -3.80 349.83 24.63 119.67 11 12 50 804.7 .18 343.31
 100.00 18 7 41 5194.36 29.80 232.34 32.83 87.50 19 34 15 4594.4 29.13 223.59
 110.00 11 33 51 1265.48 -7.10 337.24 22.59 123.53 11 54 57 665.5 -2.64 330.99
 110.00 19 39 45 4906.33 33.66 210.11 32.48 83.65 21 1 31 4306.3 22.42 201.10

DIFFERENTIAL CORRECTIONS

TDE .9176 TRA-1.5245 TC3 .2442 BAU .1140
 RDE -.0980 RRA -.2285 RC3 .2957 FAU .03328
 FDE-1.4831 FRA 1.5780 FC3-1.2956 BSP 7365
 BDE .9229 BRA 1.5412 BC3 .3835 FSP -732

MID-COURSE EXECUTION ACCURACY

SGT 2258.5 SGR 419.5 SG3 256.5
 RRT .5243 RRF -.5711 RTF -.9288
 SGB 2297.1 R23 -.0843 R13 -.9302
 SGI 2269.4 SG2 355.5 TMA 5.70

ORBIT DETERMINATION ACCURACY

ST 1259.1 SR 147.7 SS 1321.5
 CRT -.4401 CRS -.5756 CST .9873
 LSA 1821.1 MSA 192.2 SSA 15.3
 EL1 1260.8 EL2 132.4 ALF 177.01

LAUNCH DATE MAY 9 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 313.392

RL 151.02 LAL -.00 LOL 227.70 VL 26.253 GAL 5.94 AZL 94.29 HCA 128.87 SMA 124.22 ECC .23821 INC 4.2913 V1 29.503
 RP 108.72 LAP -3.34 LOP 356.64 VP 37.054 GAP -11.80 AZP 87.30 TAL 160.19 TAP 289.05 RCA 94.63 APO 153.82 V2 34.856
 RC 46.178 GL -25.15 GP 9.96 ZAL 59.83 ZAP 14.54 ETS 317.38 ZAE 152.91 ETE 50.69 ZAC 96.52 ETC 15.76 CLP -10.64

PLANETOCENTRIC CONIC

C3 21.140 VHL 4.598 DLA -19.65 RAL 161.88 RAD 6567.9 VEL 11.938 PTH 2.12 VMP 7.653 DPA 17.80 RAP 172.50 ECC 1.3479
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 49 34 1564.65 -.32 3.51 23.97 118.32 10 15 39 964.6 3.47 356.88
 90.00 16 16 34 5534.68 28.31 257.40 31.46 90.51 17 48 48 4934.7 28.08 248.75
 100.00 10 58 32 1342.10 -1.69 346.39 23.21 119.85 11 20 54 742.1 2.30 339.87
 100.00 17 50 17 5232.46 29.88 235.17 31.45 88.98 19 17 29 4632.5 29.42 226.39
 110.00 11 40 8 1211.74 -5.07 334.40 21.10 123.85 12 0 20 611.7 -.59 328.18
 110.00 19 25 10 4935.59 33.86 212.37 31.21 84.98 20 47 26 4335.6 32.79 203.30

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9427 TRA-1.4888 TC3 .2983 BAU .1245 SGT 2310.0 SGR 431.8 SG3 281.7 ST 1315.1 SR 117.4 SS 1409.8
 RDE -.0590 RRA -.2295 RC3 .3242 FAU .03556 RRT .5950 RRF -.6460 RTF -.9335 CRT -.2104 CRS -.3576 CST .9879
 FDE -1.6287 FRA 1.6421 FC3 -1.4563 BSP 7552 SGB 2350.0 R23 -.0969 R13 -.9353 LSA 1922.4 MSA 186.6 SSA 14.8
 BDE .9446 BRA 1.5064 BC3 .4405 FSP -810 SGI 2324.6 SG2 344.9 THA 6.49 ELI 1315.3 EL2 114.8 ALF 178.92

LAUNCH DATE MAY 9 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 320.099

RL 151.02 LAL -.00 LOL 227.70 VL 26.357 GAL 5.68 AZL 94.45 HCA 132.04 SMA 124.86 ECC .23078 INC 4.4473 V1 29.503
 RP 108.69 LAP -3.30 LOP 359.82 VP 37.137 GAP -11.11 AZP 87.02 TAL 160.27 TAP 292.31 RCA 96.05 APO 153.68 V2 34.865
 RC 47.255 GL -26.88 GP 11.05 ZAL 60.66 ZAP 16.64 ETS 319.18 ZAE 151.10 ETE 48.55 ZAC 95.01 ETC 15.52 CLP -12.53

PLANETOCENTRIC CONIC

C3 20.228 VHL 4.498 DLA -21.07 RAL 160.76 RAD 6567.8 VEL 11.900 PTH 2.11 VMP 7.280 DPA 18.28 RAP 174.18 ECC 1.3329
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 1 38 1493.21 1.99 359.53 22.71 118.25 10 26 31 893.2 5.75 352.87
 90.00 15 55 30 5584.99 28.23 261.08 30.07 92.35 17 28 35 4985.0 28.26 252.42
 100.00 11 8 46 1276.54 .54 342.80 21.90 119.89 11 30 3 676.5 4.51 336.26
 100.00 17 31 3 5276.89 29.88 238.47 30.12 90.72 18 59 0 4676.9 29.66 229.67
 110.00 11 47 0 1156.71 -2.98 331.52 19.71 124.07 12 6 17 556.7 1.51 325.31
 110.00 19 9 18 4969.48 34.03 215.00 30.00 86.53 20 32 8 4369.5 33.17 205.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9708 TRA-1.4516 TC3 .3512 BAU .1351 SGT 2357.2 SGR 453.8 SG3 309.4 ST 1372.2 SR 99.0 SS 1505.7
 RDE -.0158 RRA -.2355 RC3 .3553 FAU .03803 RRT .6667 RRF -.7212 RTF -.9378 CRT .2392 CRS .0920 CST .9885
 FDE -1.7964 FRA 1.7095 FC3 -1.6277 BSP 7721 SGB 2400.5 R23 -.1113 R13 -.9401 LSA 2031.4 MSA 181.6 SSA 14.1
 BDE .9709 BRA 1.4706 BC3 .4996 FSP -895 SGI 2377.0 SG2 335.4 THA 7.46 ELI 1372.4 EL2 96.1 ALF .99

LAUNCH DATE MAY 9 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 326.795

RL 151.02 LAL -.00 LOL 227.70 VL 26.453 GAL 5.44 AZL 94.62 HCA 135.21 SMA 125.46 ECC .22390 INC 4.6198 V1 29.503
 RP 108.66 LAP -3.25 LOP 3.01 VP 37.215 GAP -10.43 AZP 86.72 TAL 160.38 TAP 295.59 RCA 97.37 APO 153.55 V2 34.875
 RC 48.458 GL -28.71 GP 12.31 ZAL 61.56 ZAP 18.94 ETS 320.37 ZAE 149.32 ETE 47.13 ZAC 93.54 ETC 15.27 CLP -14.50

PLANETOCENTRIC CONIC

C3 19.498 VHL 4.416 DLA -22.55 RAL 159.94 RAD 6567.8 VEL 11.869 PTH 2.11 VMP 6.927 DPA 18.94 RAP 175.86 ECC 1.3209
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 15 52 1415.73 4.47 355.19 21.62 117.99 10 39 27 815.7 8.19 348.48
 90.00 15 31 35 5645.01 27.98 265.46 28.70 94.53 17 5 40 5045.0 28.32 256.81
 100.00 11 20 35 1206.81 2.90 338.97 20.75 119.76 11 40 42 606.8 6.84 332.40
 100.00 17 9 32 5329.16 29.78 242.35 28.83 92.76 18 38 21 4729.2 29.84 233.55
 110.00 11 54 41 1099.93 -.81 328.55 18.43 124.17 12 13 1 499.9 3.68 322.35
 110.00 18 51 56 5008.81 34.15 218.07 28.88 88.34 20 15 25 4408.8 33.54 208.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0024 TRA-1.4125 TC3 .4015 BAU .1458 SGT 2399.2 SGR 488.7 SG3 339.8 ST 1430.5 SR 112.4 SS 1609.6
 RDE .0332 RRA -.2451 RC3 .3896 FAU .04069 RRT .7347 RRF -.7915 RTF -.9418 CRT .7313 CRS .6255 CST .9892
 FDE -1.9901 FRA 1.7795 FC3 -1.8069 BSP 7882 SGB 2448.4 R23 -.1272 R13 -.9447 LSA 2149.0 MSA 177.1 SSA 13.4
 BDE 1.0029 BRA 1.4336 BC3 .5595 FSP -989 SGI 2426.4 SG2 327.8 THA 8.67 ELI 1432.8 EL2 76.5 ALF 3.30

LAUNCH DATE MAY 9 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 333.480

RL 151.02 LAL -.00 LOL 227.70 VL 26.540 GAL 5.22 AZL 94.81 HCA 138.39 SMA 126.01 ECC .21756 INC 4.8128 V1 29.503
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.287 GAP -9.78 AZP 86.40 TAL 160.51 TAP 298.90 RCA 98.60 APO 153.43 V2 34.886
 RC 49.776 GL -30.62 GP 13.80 ZAL 62.54 ZAP 21.44 ETS 321.08 ZAE 147.56 ETE 46.37 ZAC 92.10 ETC 15.00 CLP -16.57

PLANETOCENTRIC CONIC

C3 18.953 VHL 4.354 DLA -24.11 RAL 158.24 RAD 6567.8 VEL 11.846 PTH 2.10 VMP 6.594 DPA 19.84 RAP 177.56 ECC 1.3119
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 33 27 1328.66 7.23 350.28 20.75 117.45 10 55 36 728.7 10.86 343.47
 90.00 15 3 35 5718.67 27.47 270.78 27.32 97.15 16 38 53 5118.7 28.18 262.19
 100.00 11 34 44 1130.84 5.46 334.78 19.78 119.44 11 53 35 530.8 9.34 328.14
 100.00 16 44 59 5391.73 29.48 246.98 27.56 95.18 18 14 51 4791.7 29.89 238.20
 110.00 12 3 28 1040.69 1.46 325.46 17.30 124.16 12 20 49 440.7 5.93 319.23
 110.00 18 32 44 5054.64 34.18 221.65 27.83 90.45 19 56 58 4454.6 33.87 212.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0402 TRA-1.3689 TC3 .4520 BAU .1577 SGT 2434.0 SGR 540.5 SG3 372.8 ST 1491.5 SR 163.7 SS 1723.2
 RDE .0903 RRA -.2587 RC3 .4279 FAU .04363 RRT .7949 RRF -.8522 RTF -.9460 CRT .9387 CRS .8825 CST .9901
 FDE -2.2159 FRA 1.8486 FC3 -1.9929 BSP 8097 SGB 2493.3 R23 -.1430 R13 -.9496 LSA 2278.4 MSA 172.3 SSA 12.5
 BDE 1.0441 BRA 1.3932 BC3 .6224 FSP -1097 SGI 2472.3 SG2 322.8 THA 10.19 ELI 1499.4 EL2 56.1 ALF 5.89

LAUNCH DATE MAY 9 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 340.152

RL 151.02 LAL -.00 LOL 227.70 VL 26.620 GAL 5.01 AZL 95.03 MCA 141.57 SMA 126.52 ECC .21172 INC 5.0316 V1 29.503
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.354 GAP -9.14 ATP 86.05 TAL 160.65 TAP 302.22 RCA 99.74 APO 153.31 V2 34.897
 RC 51.201 GL -32.64 GP 15.56 ZAL 63.59 ZAP 24.18 ETS 321.38 ZAE 145.78 ETE 46.25 ZAC 90.69 ETC 14.72 CLP -18.73

PLANETOCENTRIC CONIC

C3 18.599 VML 4.313 DLA -25.73 RAL 156.84 RAD 6567.8 VEL 11.831 PTH 2.10 VMP 6.285 DPA 21.03 RAP 179.31 ECC 1.3061
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 57 0 1224.09 10.46 344.30 20.23 116.46 11 17 24 624.1 13.94 337.34
 90.00 14 28 53 5814.38 26.47 277.61 25.84 100.43 16 5 47 5214.4 27.65 269.14
 100.00 11 52 32 1044.74 8.31 329.98 19.09 118.82 12 9 57 444.7 12.09 323.23
 100.00 16 16 1 5468.96 28.87 252.64 26.28 98.10 17 47 10 4869.0 29.69 243.93
 110.00 12 13 50 977.91 3.85 322.18 16.35 123.99 12 30 8 377.9 8.29 315.90
 110.00 18 11 12 5108.56 34.07 225.86 26.87 92.94 19 36 21 4508.6 34.10 216.61

DIFFERENTIAL CORRECTIONS

TOE 1.0796 TRA-1.3263 TC3 .4895 BAU .1687
 ROE .1585 RRA -.2774 RC3 .4698 FAU .04659
 FDE-2.4736 FRA 1.9192 FC3-2.1686 BSP .8242
 BOE 1.0912 BRA 1.3550 BC3 .6785 FSP -1209

MID-COURSE EXECUTION ACCURACY

SGT 2462.0 SGR 613.2 SG3 A08.1
 RRT .8436 RRF -.9005 RTF -.9493
 SGB 2537.2 R23 -.1596 R13 -.9541
 SG1 2516.7 SG2 322.1 THA 12.07

ORBIT DETERMINATION ACCURACY

ST 1549.8 SR 244.0 SS 1843.4
 CRT .9894 CRS .9619 CST .9908
 LSA 2414.7 MSA 169.1 SSA 11.6
 EL1 1568.5 EL2 35.0 ALF 8.86

LAUNCH DATE MAY 9 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 346.811

RL 151.02 LAL -.00 LOL 227.70 VL 26.693 GAL 4.82 AZL 95.28 MCA 144.75 SMA 126.99 ECC .20638 INC 5.2836 V1 29.503
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.417 GAP -8.53 ATP 85.68 TAL 160.81 TAP 305.55 RCA 100.79 APO 153.20 V2 34.908
 RC 52.722 GL -34.76 GP 17.67 ZAL 64.71 ZAP 27.20 ETS 321.35 ZAE 143.96 ETE 46.74 ZAC 89.31 ETC 14.40 CLP -21.01

PLANETOCENTRIC CONIC

C3 18.453 VML 4.296 DLA -27.45 RAL 155.34 RAD 6567.7 VEL 11.825 PTH 2.09 VMP 6.002 DPA 22.57 RAP 181.12 ECC 1.3037
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 35 22 1074.11 14.86 335.47 20.40 114.39 11 53 16 474.1 18.03 328.23
 90.00 13 38 33 672.62 24.27 309.85 23.98 105.05 13 49 45 72.6 26.10 301.66
 100.00 12 17 4 939.35 11.71 324.00 18.82 117.70 12 32 43 339.3 15.33 317.08
 100.00 15 39 32 5570.66 27.68 259.96 24.88 101.77 17 12 22 4970.7 29.02 251.41
 110.00 12 26 31 909.68 6.44 318.59 15.66 123.64 12 41 40 309.7 10.82 312.24
 110.00 17 46 34 5173.09 33.73 230.86 25.97 95.89 19 12 47 4573.1 34.18 221.65

DIFFERENTIAL CORRECTIONS

TOE 1.1241 TRA-1.2815 TC3 .5157 BAU .1799
 ROE .2421 RRA -.3019 RC3 .5158 FAU .04955
 FDE-2.7692 FRA 1.9847 FC3-2.3244 BSP .8374
 BOE 1.1499 BRA 1.3165 BC3 .7294 FSP -1327

MID-COURSE EXECUTION ACCURACY

SGT 2480.6 SGR 711.7 SG3 445.0
 RRT .8804 RRF -.9360 RTF -.9523
 SGB 2580.7 R23 -.1744 R13 -.9586
 SG1 2559.9 SG2 327.0 THA 14.42

ORBIT DETERMINATION ACCURACY

ST 1606.9 SR 350.7 SS 1971.1
 CRT .9991 CRS .9868 CST .9915
 LSA 2561.7 MSA 166.4 SSA 10.6
 EL1 1644.6 EL2 14.7 ALF 12.30

LAUNCH DATE MAY 9 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 353.454

RL 151.02 LAL -.00 LOL 227.70 VL 26.760 GAL 4.64 AZL 95.58 MCA 147.93 SMA 127.43 ECC .20150 INC 5.5787 V1 29.503
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.475 GAP -7.92 ATP 85.27 TAL 160.97 TAP 308.90 RCA 101.75 APO 153.10 V2 34.920
 RC 54.330 GL -37.02 GP 20.21 ZAL 65.91 ZAP 30.55 ETS 321.03 ZAE 141.99 ETE 47.85 ZAC 87.96 ETC 14.03 CLP -23.41

PLANETOCENTRIC CONIC

C3 18.545 VML 4.306 DLA -29.26 RAL 153.72 RAD 6567.8 VEL 11.829 PTH 2.10 VMP 5.751 DPA 24.53 RAP 183.05 ECC 1.3052
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.30 11 26 57 1079.95 20.69 338.47 21.32 111.16 11 44 57 480.0 23.39 330.76
 97.70 13 34 4 669.10 20.70 308.33 21.32 111.15 13 45 14 69.1 23.40 300.61
 100.00 13 0 19 777.36 16.64 314.50 19.49 115.20 13 13 17 177.4 19.89 307.22
 100.00 14 43 24 5734.97 24.87 271.35 22.89 107.14 16 18 59 5135.0 26.98 263.19
 110.00 12 42 49 832.46 9.33 314.48 15.31 123.04 12 56 42 232.5 13.61 308.01
 110.00 17 17 23 5252.64 33.01 236.96 25.09 99.43 18 44 56 4652.6 33.96 227.85

DIFFERENTIAL CORRECTIONS

TOE 1.1768 TRA-1.3288 TC3 .5337 BAU .1929
 ROE .3477 RRA -.3327 RC3 .5662 FAU .05248
 FDE-3.1074 FRA 2.0368 FC3-2.4499 BSP .8571
 BOE 1.2271 BRA 1.2769 BC3 .7781 FSP -1454

MID-COURSE EXECUTION ACCURACY

SGT 2489.5 SGR 842.2 SG3 482.6
 RRT .9074 RRF -.9604 RTF -.9553
 SGB 2628.1 R23 -.1838 R13 -.9686
 SG1 2606.2 SG2 338.1 THA 17.37

ORBIT DETERMINATION ACCURACY

ST 1664.3 SR 487.3 SS 2106.0
 CRT .9994 CRS .9953 CST .9923
 LSA 2723.1 MSA 163.7 SSA 9.6
 EL1 1734.1 EL2 16.6 ALF 16.31

LAUNCH DATE MAY 9 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 360.081

RL 151.02 LAL -.00 LOL 227.70 VL 26.820 GAL 4.48 AZL 95.93 MCA 151.11 SMA 127.82 ECC .19707 INC 5.9316 V1 29.503
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.529 GAP -7.34 ATP 84.80 TAL 161.14 TAP 312.25 RCA 102.63 APO 153.01 V2 34.932
 RC 56.016 GL -39.43 GP 23.29 ZAL 67.18 ZAP 34.31 ETS 320.47 ZAE 139.77 ETE 49.55 ZAC 86.61 ETC 13.60 CLP -25.94

PLANETOCENTRIC CONIC

C3 18.926 VML 4.350 DLA -31.20 RAL 151.98 RAD 6567.8 VEL 11.845 PTH 2.10 VMP 5.539 DPA 27.01 RAP 185.18 ECC 1.3115
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.32 10 35 8 1227.54 21.86 349.98 20.45 112.83 10 55 36 627.5 24.77 342.28
 103.68 14 11 57 5819.12 21.88 276.45 20.46 112.81 15 48 56 5219.1 24.78 268.75
 76.32 10 35 8 1227.54 21.86 349.98 20.45 112.83 10 55 36 627.5 24.77 342.28
 103.68 14 11 57 5819.12 21.88 276.45 20.46 112.81 15 48 56 5219.1 24.78 268.75
 110.00 13 5 45 737.98 12.79 309.35 15.53 121.97 13 18 3 138.0 16.92 302.68
 110.00 16 40 30 5356.68 31.58 244.73 24.05 103.82 18 9 47 4756.7 33.16 235.86

DIFFERENTIAL CORRECTIONS

TOE 1.2372 TRA-1.1824 TC3 .5338 BAU .2068
 ROE .4840 RRA -.3709 RC3 .6188 FAU .05493
 FDE-3.4841 FRA 2.0679 FC3-2.5125 BSP .8779
 BOE 1.3285 BRA 1.2392 BC3 .8172 FSP -1576

MID-COURSE EXECUTION ACCURACY

SGT 2486.9 SGR 1011.1 SG3 518.2
 RRT .9259 RRF -.9762 RTF -.9579
 SGB 2684.6 R23 -.1887 R13 -.9688
 SG1 2660.7 SG2 357.0 THA 21.02

ORBIT DETERMINATION ACCURACY

ST 1718.5 SR 660.2 SS 2243.1
 CRT .9980 CRS .9983 CST .9930
 LSA 2897.3 MSA 161.5 SSA 8.5
 EL1 1840.6 EL2 38.8 ALF 20.99

LAUNCH DATE MAY 9 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

RL 151.02 LAL -1.00 LOL 227.70 VL 26.874 GAL 4.33 AZL 96.36 MCA 154.29 SMA 128.18 ECC .19306 INC 6.3638 VI 29.503
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.579 GAP -6.77 AZP 84.26 TAL 161.30 TAP 315.59 RCA 103.43 APO 152.93 V2 34.945
 RC 57.772 GL -42.02 GP 27.04 ZAL 68.54 ZAP 38.56 ETS 319.69 ZAE 137.13 ETE 51.81 ZAC 85.25 ETC 13.07 CLP -28.60

PLANETOCENTRIC CONIC

C3 19.686 VHL 4.437 OLA -33.28 RAL 150.06 RAD 6567.8 VEL 11.877 PTH 2.11 VMP 5.378 DPA 30.13 RAP 187.62 ECC 1.3240
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 71.74 9 56 54 1332.17 22.97 358.49 19.81 114.77 10 19 6 732.2 26.11 350.82
 108.26 14 34 53 5733.10 22.99 270.42 19.82 114.76 16 10 26 5133.1 26.13 262.75
 71.74 9 56 54 1332.17 22.97 358.49 19.81 114.77 10 19 6 732.2 26.11 350.82
 108.26 14 34 53 5733.10 22.99 270.42 19.82 114.76 16 10 26 5133.1 26.13 262.75
 110.00 13 46 6 5882.80 17.79 279.18 16.97 119.68 15 24 9 5282.8 21.61 272.12
 110.00 15 44 51 5518.51 28.37 256.23 22.27 109.92 17 16 50 4918.5 30.82 247.89

DIFFERENTIAL CORRECTIONS

TDE 1.3084 TRA-1.1306 TC3 .5146 BAU .2224
 ROE .6640 RRA -.4169 RC3 .6702 FAU .05646
 FDE-3.8908 FRA 2.0638 FC3-2.4831 BSP 9040
 BOE 1.4673 BRA 1.2050 BC3 .8450 FSP -1685

MID-COURSE EXECUTION ACCURACY

SGT 2472.5 SGR 1226.3 SG3 548.2
 RRT .9384 RRF -.9860 RTF -.9601
 SGB 2759.9 R23 -.1814 R13 -.9744
 SG1 2733.1 SG2 383.4 TMA 25.49

ORBIT DETERMINATION ACCURACY

ST 1769.1 SR 879.1 SS 2376.9
 CRT .9968 CRS .9994 CST .9937
 LSA 3086.5 MSA 159.9 SSA 7.5
 EL1 1974.5 EL2 63.0 ALF 26.38

LAUNCH DATE MAY 9 1967

FLIGHT TIME 144.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

RL 151.02 LAL -1.00 LOL 227.70 VL 26.922 GAL 4.20 AZL 96.91 MCA 157.48 SMA 128.51 ECC .18947 INC 6.9093 VI 29.503
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.626 GAP -6.22 AZP 83.61 TAL 161.46 TAP 318.93 RCA 104.16 APO 152.85 V2 34.957
 RC 59.590 GL -44.84 GP 31.64 ZAL 70.01 ZAP 43.38 ETS 318.76 ZAE 133.84 ETE 54.52 ZAC 83.84 ETC 12.39 CLP -31.58

PLANETOCENTRIC CONIC

C3 20.980 VHL 4.580 OLA -35.54 RAL 147.92 RAD 6567.9 VEL 11.931 PTH 2.12 VMP 5.290 DPA 34.00 RAP 190.58 ECC 1.3453
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 67.57 9 23 37 1422.61 23.95 6.09 19.45 117.08 9 47 19 822.6 27.38 358.48
 112.43 14 51 7 5673.05 23.97 266.24 19.45 117.06 16 25 40 5073.0 27.39 258.63
 67.57 9 23 37 1422.61 23.95 6.09 19.45 117.08 9 47 19 822.6 27.38 358.48
 112.43 14 51 7 5673.05 23.97 266.24 19.45 117.06 16 25 40 5073.0 27.39 258.63
 67.57 9 23 37 1422.61 23.95 6.09 19.45 117.08 9 47 19 822.6 27.38 358.48
 112.43 14 51 7 5673.05 23.97 266.24 19.45 117.06 16 25 40 5073.0 27.39 258.63

DIFFERENTIAL CORRECTIONS

TDE 1.4007 TRA-1.0735 TC3 .4825 BAU .2420
 ROE .9085 RRA -.4687 RC3 .7154 FAU .05667
 FDE-4.3104 FRA 1.9969 FC3-2.3384 BSP 9491
 BOE 1.6695 BRA 1.1714 BC3 .8629 FSP -1772

MID-COURSE EXECUTION ACCURACY

SGT 2447.1 SGR 1496.7 SG3 567.1
 RRT .9473 RRF -.9918 RTF -.9625
 SGB 2868.6 R23 -.1656 R13 -.9804
 SG1 2838.7 SG2 413.2 TMA 30.81

ORBIT DETERMINATION ACCURACY

ST 1820.8 SR 1157.0 SS 2500.4
 CRT .9961 CRS .9998 CST .9944
 LSA 3298.6 MSA 157.6 SSA 6.5
 EL1 2155.6 EL2 85.9 ALF 32.39

LAUNCH DATE MAY 9 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

RL 151.02 LAL -1.00 LOL 227.70 VL 26.966 GAL 4.09 AZL 97.62 MCA 160.66 SMA 128.80 ECC .18630 INC 7.6242 VI 29.503
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.669 GAP -5.68 AZP 82.80 TAL 161.58 TAP 322.24 RCA 104.80 APO 152.79 V2 34.970
 RC 61.464 GL -47.94 GP 37.27 ZAL 71.61 ZAP 48.85 ETS 317.70 ZAE 129.63 ETE 57.47 ZAC 82.33 ETC 11.46 CLP -34.21

PLANETOCENTRIC CONIC

C3 23.107 VHL 4.807 OLA -38.00 RAL 145.51 RAD 6567.9 VEL 12.020 PTH 2.15 VMP 5.312 DPA 38.73 RAP 194.40 ECC 1.3803
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.52 8 52 34 1509.23 24.69 13.52 19.46 119.86 9 17 43 909.2 28.46 6.05
 116.48 15 2 57 5633.16 24.70 263.46 19.47 119.85 16 36 50 5033.2 28.47 255.98
 63.52 8 52 34 1509.23 24.69 13.52 19.46 119.86 9 17 43 909.2 28.46 6.05
 116.48 15 2 57 5633.16 24.70 263.46 19.47 119.85 16 36 50 5033.2 28.47 255.98
 63.52 8 52 34 1509.23 24.69 13.52 19.46 119.86 9 17 43 909.2 28.46 6.05
 116.48 15 2 57 5633.16 24.70 263.46 19.47 119.85 16 36 50 5033.2 28.47 255.98

DIFFERENTIAL CORRECTIONS

TDE 1.3372 TRA-1.1941 TC3 .1153 BAU .1933
 ROE 1.1805 RRA -.6015 RC3 .6150 FAU .04121
 FDE-4.4180 FRA 2.1468 FC3-1.5438 BSP 5673
 BOE 1.7837 BRA 1.3371 BC3 .6257 FSP -1210

MID-COURSE EXECUTION ACCURACY

SGT 2411.5 SGR 1776.9 SG3 549.7
 RRT .9222 RRF -.9944 RTF -.9401
 SGB 2995.4 R23 -.1984 R13 -.9762
 SG1 2942.0 SG2 563.1 TMA 35.70

ORBIT DETERMINATION ACCURACY

ST 1693.5 SR 1433.4 SS 2457.8
 CRT .9907 CRS 1.0000 CST .9895
 LSA 3299.5 MSA 206.8 SSA 5.6
 EL1 2206.0 EL2 148.9 ALF 40.37

LAUNCH DATE MAY 9 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

RL 151.02 LAL -1.00 LOL 227.70 VL 27.005 GAL 3.98 AZL 98.61 MCA 163.84 SMA 129.06 ECC .18344 INC 8.6092 VI 29.503
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.709 GAP -5.15 AZP 81.73 TAL 161.72 TAP 325.56 RCA 105.38 APO 152.73 V2 34.983
 RC 63.388 GL -51.39 GP 44.18 ZAL 73.45 ZAP 55.09 ETS 316.57 ZAE 124.18 ETE 60.42 ZAC 80.69 ETC 10.12 CLP -37.05

PLANETOCENTRIC CONIC

C3 26.631 VHL 5.161 OLA -40.70 RAL 142.61 RAD 6568.1 VEL 12.166 PTH 2.18 VMP 5.503 DPA 44.40 RAP 199.70 ECC 1.4383
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.45 8 21 48 1598.80 24.97 21.22 19.82 123.25 8 48 27 998.8 29.16 13.98
 120.55 15 10 33 5613.43 24.98 261.99 19.83 123.24 16 44 7 5013.4 29.17 254.75
 59.45 8 21 48 1598.80 24.97 21.22 19.82 123.25 8 48 27 998.8 29.16 13.98
 120.55 15 10 33 5613.43 24.98 261.99 19.83 123.24 16 44 7 5013.4 29.17 254.75
 59.45 8 21 48 1598.80 24.97 21.22 19.82 123.25 8 48 27 998.8 29.16 13.98
 120.55 15 10 33 5613.43 24.98 261.99 19.83 123.24 16 44 7 5013.4 29.17 254.75

DIFFERENTIAL CORRECTIONS

TDE 1.6579 TRA -.9995 TC3 .2978 BAU .2688
 ROE 1.7050 RRA -.5928 RC3 .6936 FAU .04564
 FDE-4.8940 FRA 1.6569 FC3-1.4836 BSP 9993
 BOE 2.3782 BRA 1.1620 BC3 .7549 FSP -1608

MID-COURSE EXECUTION ACCURACY

SGT 2371.8 SGR 2202.3 SG3 530.9
 RRT .9526 RRF -.9968 RTF -.9623
 SGB 3236.5 R23 -.1238 R13 -.9900
 SG1 3198.1 SG2 497.1 TMA 42.77

ORBIT DETERMINATION ACCURACY

ST 1892.4 SR 1911.0 SS 2606.6
 CRT .9952 CRS 1.0000 CST .9949
 LSA 3741.8 MSA 163.1 SSA 4.7
 EL1 2686.2 EL2 131.3 ALF 45.28

LAUNCH DATE MAY 9 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 392.931

RL 151.02 LAL -.00 LOL 227.70 VL 27.038 GAL 3.90 AZL 100.06 MCA 167.02 SMA 129.29 ECC .18096 INC10.0625 V1 29.503
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.745 GAP -4.64 AZP 80.19 TAL 161.82 TAP 328.84 RCA 105.89 APO 152.69 V2 34.996
 RC 65.357 GL -55.25 GP 52.52 ZAL 75.54 ZAP 62.02 ETS 315.21 ZAE 117.20 ETE 62.69 ZAC 78.81 ETC 7.90 CLP -39.55

PLANETOCENTRIC CONIC

C3 32.909 VML 5.737 DLA -43.64 RAL 139.10 RAD 6568.3 VEL 12.421 PTH 2.24 VMP 5.998 OPA 50.78 RAP 207.71 ECC 1.5416
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 55.30 7 50 23 1699.40 24.38 29.57 20.72 127.39 8 18 42 1099.4 29.06 22.73
 124.70 15 14 0 5618.80 24.39 262.00 20.73 127.38 16 47 39 5018.8 29.07 255.15
 55.30 7 50 23 1699.40 24.38 29.57 20.72 127.39 8 18 42 1099.4 29.06 22.73
 124.70 15 14 0 5618.80 24.39 262.00 20.73 127.38 16 47 39 5018.8 29.07 255.15
 55.30 7 50 23 1699.40 24.38 29.57 20.72 127.39 8 18 42 1099.4 29.06 22.73
 124.70 15 14 0 5618.80 24.39 262.00 -20.73 127.38 16 47 39 5018.8 29.07 255.15

DIFFERENTIAL CORRECTIONS

TDE 1.9504 TRA -.9547 TC3 .2202 BAU .2832
 RDE 2.3838 RRA -.6190 RC3 .6049 FAU .03540
 FDE-4.9207 FRA 1.2894 FC3 -.9313 BSP 11107
 BDE 3.0800 BRA 1.1378 BC3 .6438 FSP -1418

MID-COURSE EXECUTION ACCURACY

SGT 2365.2 SGR 2623.0 SG3 460.9
 RRT .9573 RRF -.9978 RTF -.9659
 SGB 3531.9 R23 -.0937 R13 -.9941
 SGI 3494.4 SG2 513.5 TMA 48.09

ORBIT DETERMINATION ACCURACY

ST 1987.7 SR 2394.7 SS 2561.9
 CRT .9957 CRS 1.0000 CST .9958
 LSA 4027.9 MSA 159.9 SSA 3.8
 EL1 3108.9 EL2 142.3 ALF 50.33

LAUNCH DATE MAY 9 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 399.423

RL 151.02 LAL -.00 LOL 227.70 VL 27.068 GAL 3.83 AZL 102.44 MCA 170.19 SMA 129.49 ECC .17884 INC12.4375 V1 29.503
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.779 GAR -4.14 AZP 77.74 TAL 161.89 TAP 332.07 RCA 106.33 APO 152.65 V2 35.009
 RC 67.365 GL -59.50 GP 62.40 ZAL 78.01 ZAP 69.45 ETS 312.64 ZAE 108.42 ETE 62.84 ZAC 76.54 ETC 3.46 CLP -40.75

PLANETOCENTRIC CONIC

C3 45.578 VML 6.751 DLA -46.69 RAL 134.68 RAD 6568.7 VEL 12.921 PTH 2.35 VMP 7.089 OPA 57.14 RAP 220.75 ECC 1.7501
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.19 7 17 16 1821.75 22.10 38.80 22.16 132.23 7 47 38 1221.8 27.34 32.56
 128.81 15 11 50 5660.81 22.11 263.81 22.17 132.23 16 46 10 5060.8 27.35 257.57
 51.19 7 17 16 1821.75 22.10 38.80 22.16 132.23 7 47 38 1221.8 27.34 32.56
 128.81 15 11 50 5660.81 22.11 263.81 22.17 132.23 16 46 10 5060.8 27.35 257.57
 51.19 7 17 16 1821.75 22.10 38.80 22.16 132.23 7 47 38 1221.8 27.34 32.56
 128.81 15 11 50 5660.81 22.11 263.81 22.17 132.23 16 46 10 5060.8 27.35 257.57

DIFFERENTIAL CORRECTIONS

TDE 2.5532 TRA -.9481 TC3 .1276 BAU .2644
 RDE 3.5577 RRA -.5745 RC3 .4148 FAU .02073
 FDE-4.5937 FRA .8578 FC3 -.3938 BSP 12230
 BDE 4.2182 BRA 1.1086 BC3 .4340 FSP -1083

MID-COURSE EXECUTION ACCURACY

SGT 2470.0 SGR 2989.8 SG3 352.1
 RRT .9621 RRF -.9981 RTF -.9720
 SGB 3878.1 R23 -.0682 R13 -.9967
 SGI 3842.5 SG2 524.1 TMA 50.65

ORBIT DETERMINATION ACCURACY

ST 2195.3 SR 2857.6 SS 2395.8
 CRT .9963 CRS 1.0000 CST .9968
 LSA 4324.3 MSA 158.5 SSA 2.9
 EL1 3600.3 EL2 150.3 ALF 52.49

LAUNCH DATE MAY 9 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 405.860

RL 151.02 LAL -.00 LOL 227.70 VL 27.094 GAL 3.78 AZL 107.03 MCA 173.32 SMA 129.67 ECC .17708 INC17.0327 V1 29.503
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.809 GAP -3.66 AZP 73.08 TAL 161.90 TAP 335.22 RCA 106.71 APO 152.63 V2 35.023
 RC 69.409 GL -63.76 GP 73.79 ZAL 80.99 ZAP 76.91 ETS 301.94 ZAE 97.49 ETE 53.58 ZAC 73.53 ETC 349.40 CLP -35.76

PLANETOCENTRIC CONIC

C3 77.956 VML 8.829 DLA -49.31 RAL 129.10 RAD 6569.5 VEL 14.118 PTH 2.57 VMP 9.604 OPA 61.37 RAP 242.38 ECC 2.2830
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 47.79 6 43 20 1980.81 16.70 48.63 24.14 137.10 7 16 21 1380.8 22.47 43.16
 132.21 15 1 15 5762.31 16.71 268.02 24.15 137.10 16 37 18 5162.3 22.48 262.56
 47.79 6 43 20 1980.81 16.70 48.63 24.14 137.10 7 16 21 1380.8 22.47 43.16
 132.21 15 1 15 5762.31 16.71 268.02 24.15 137.10 16 37 18 5162.3 22.48 262.56
 47.79 6 43 20 1980.81 16.70 48.63 24.14 137.10 7 16 21 1380.8 22.47 43.16
 132.21 15 1 15 5762.31 16.71 268.02 24.15 137.10 16 37 18 5162.3 22.48 262.56

DIFFERENTIAL CORRECTIONS

TDE 4.4486 TRA -1.0379 TC3 .0275 BAU .1412
 RDE 4.4307 RRA -.2781 RC3 .1326 FAU .00392
 FDE-3.9285 FRA .4572 FC3 -.0435 BSP 13096
 BDE 6.2786 BRA 1.0745 BC3 .1354 FSP -672

MID-COURSE EXECUTION ACCURACY

SGT 3066.5 SGR 2898.0 SG3 223.8
 RRT .9675 RRF -.9954 RTF -.9860
 SGB 4219.2 R23 -.0444 R13 -.9986
 SGI 4184.8 SG2 537.2 TMA 43.33

ORBIT DETERMINATION ACCURACY

ST 2903.4 SR 2876.4 SS 2118.4
 CRT .9970 CRS .9997 CST .9986
 LSA 4600.5 MSA 161.9 SSA 1.8
 EL1 4083.9 EL2 159.5 ALF 44.73

LAUNCH DATE MAY 9 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 412.143

RL 151.02 LAL -.00 LOL 227.70 VL 27.116 GAL 3.78 AZL 119.42 MCA 176.35 SMA 129.82 ECC .17578 INC29.4186 V1 29.503
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.837 GAP -3.22 AZP 60.63 TAL 161.77 TAP 338.12 RCA 107.00 APO 152.64 V2 35.036
 RC 71.485 GL -65.38 GP 82.39 ZAL 84.59 ZAP 83.61 ETS 212.91 ZAE 82.43 ETE 324.93 ZAC 68.24 ETC 254.42 CLP 32.90

PLANETOCENTRIC CONIC

C3 213.724 VML 14.619 DLA -48.86 RAL 123.56 RAD 6571.2 VEL 18.304 PTH 3.03 VMP 16.998 OPA 58.29 RAP 273.06 ECC 4.5174
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 48.36 6 23 6 2170.01 6.83 56.31 27.54 138.51 6 59 16 1570.0 12.78 51.30
 131.64 14 37 15 672.53 6.84 298.71 27.56 138.50 14 48 28 72.5 12.79 293.70
 48.36 6 23 6 2170.01 6.83 56.31 27.54 138.51 6 59 16 1570.0 12.78 51.30
 131.64 14 37 15 672.53 6.84 298.71 27.56 138.50 14 48 28 72.5 12.79 293.70
 48.36 6 23 6 2170.01 6.83 56.31 27.54 138.51 6 59 16 1570.0 12.78 51.30
 131.64 14 37 15 672.53 6.84 298.71 27.56 138.50 14 48 28 72.5 12.79 293.70

DIFFERENTIAL CORRECTIONS

TDE 9.9012 TRA .0774 TC3 -.1370 BAU .5483
 RDE-4.9831 RRA 1.2585 RC3 .1343 FAU-.01531
 FDE-3.3712 FRA .2303 FC3 .0620 BSP 13597
 BDE11.0845 BRA 1.2609 BC3 .1919 FSP -343

MID-COURSE EXECUTION ACCURACY

SGT 3901.4 SGR 2128.5 SG3 115.8
 RRT -.9274 RRF .9652 RTF -.9929
 SGB 4444.3 R23 -.0348 R13 .9994
 SGI 4387.5 SG2 708.0 TMA 152.38

ORBIT DETERMINATION ACCURACY

ST 3880.5 SR 1965.9 SS 1941.4
 CRT -.9930 CRS -.9965 CST .9994
 LSA 4759.1 MSA 208.0 SSA .5
 EL1 4345.2 EL2 207.2 ALF 153.23

LAUNCH DATE MAY 9 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 421.033

RL 151.02 LAL -.00 LOL 227.70 VL 27.134 GAL 3.31 AZL .78 MCA 181.63 SMA 129.94 ECC .17191 INC89.2238 VI 29.503
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.863 GAP -2.14 AZP 179.22 TAL 163.69 TAP 345.32 RCA 107.60 APO 152.28 V2 35.049
 RC 73.590 GL 42.89 GP -45.99 ZAL 88.33 ZAP 88.72 ETS 176.05 ZAE 54.97 ETE 61.72 ZAC 75.39 ETC 137.93 CLP 88.15

PLANETOCENTRIC CONIC

C31583.767 VHL 39.797 DLA 54.28 RAL 163.95 RAD 6573.2 VEL 41.292 PTH 3.57 VMP 52.566 DPA -61.61 RAP 343.51 ECC27.0648
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 41.54 20 41 19 5018.78 1.28 236.61 74.88 35.73 22 4 57 4418.8 -5.21 232.35
 138.46 5 41 16 3425.32 1.29 108.87 74.86 35.73 6 38 21 2825.3 -5.20 104.61
 41.54 20 41 19 5018.78 1.28 236.61 74.88 35.73 22 4 57 4418.8 -5.21 232.35
 138.46 5 41 16 3425.32 1.29 108.87 74.86 35.73 6 38 21 2825.3 -5.20 104.61
 41.54 20 41 19 5018.78 1.28 236.61 74.88 35.73 22 4 57 4418.8 -5.21 232.35
 138.46 5 41 16 3425.32 1.29 108.87 74.86 35.73 6 38 21 2825.3 -5.20 104.61

DIFFERENTIAL CORRECTIONS

TDE -6.6702 TRA -2.9258 TC3 -.1360 BAU 5.8024
 RDE -6.6269 RRA -9.2029 RC3 -.2379 FAU -10968
 FDE 1.7383 FRA 2.3080 FC3 .0600 BSP 10902
 BDE 9.4026 BRA 9.6568 BC3 .2740 FSP -220

MID-COURSE EXECUTION ACCURACY

SGT 1617.1 SGR 3105.8 SG3 67.7
 RRT .9166 RRF -.9999 RTF -.9213
 SGB 3501.5 R23 -.0712 R13 -.9974
 SG1 3452.9 SG2 581.4 TMA 63.68

ORBIT DETERMINATION ACCURACY

ST 985.0 SR 1173.5 SS 1377.5
 CRT .9218 CRS .9998 CST .9298
 LSA 2033.6 MSA 330.4 SSA .5
 EL1 1502.8 EL2 298.1 ALF 50.41

LAUNCH DATE MAY 9 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 425.984

RL 151.02 LAL -.00 LOL 227.70 VL 27.149 GAL 3.56 AZL 65.65 MCA 183.54 SMA 130.05 ECC .17253 INC24.3484 VI 29.503
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.885 GAP -2.05 AZP 114.31 TAL 162.46 TAP 346.00 RCA 107.61 APO 152.48 V2 35.062
 RC 75.721 GL 65.97 GP -84.02 ZAL 83.99 ZAP 86.33 ETS 107.98 ZAE 92.01 ETE .91 ZAC 98.52 ETC 72.96 CLP 52.13

PLANETOCENTRIC CONIC

C3 149.613 VHL 12.232 DLA 65.86 RAL 207.89 RAD 6570.6 VEL 16.460 PTH 2.87 VMP 17.502 DPA -71.49 RAP 96.12 ECC 3.4622
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 27.69 23 1 25 4868.43 -11.93 239.71 112.47 24.71 24 22 33 4268.4 -19.17 236.59
 152.31 9 11 47 3144.68 -11.92 94.86 112.45 24.71 10 4 11 2544.7 -19.16 91.75
 27.69 23 1 25 4868.43 -11.93 239.71 112.47 24.71 24 22 33 4268.4 -19.17 236.59
 152.31 9 11 47 3144.68 -11.92 94.86 112.45 24.71 10 4 11 2544.7 -19.16 91.75
 27.69 23 1 25 4868.43 -11.93 239.71 112.47 24.71 24 22 33 4268.4 -19.17 236.59
 152.31 9 11 47 3144.68 -11.92 94.86 112.45 24.71 10 4 11 2544.7 -19.16 91.75

DIFFERENTIAL CORRECTIONS

TDE 1.2550 TRA -4.0214 TC3 -.1183 BAU .2433
 RDE 1.3284 RRA -.4064 RC3 -.0285 FAU -.00462
 FDE -.4087 FRA 1.1004 FC3 .0267 BSP 14848
 BDE 1.8275 BRA 4.0419 BC3 .1216 FSP -358

MID-COURSE EXECUTION ACCURACY

SGT 4651.7 SGR 780.2 SG3 110.3
 RRT .6970 RRF -.7133 RTF -.9997
 SGB 4716.7 R23 -.0090 R13 -.9999
 SG1 4683.8 SG2 555.6 TMA 6.76

ORBIT DETERMINATION ACCURACY

ST 1501.5 SR 637.7 SS 640.8
 CRT .5835 CRS .6362 CST .9978
 LSA 1679.5 MSA 501.1 SSA .7
 EL1 1552.5 EL2 500.9 ALF 15.58

LAUNCH DATE MAY 9 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 432.201

RL 151.02 LAL -.00 LOL 227.70 VL 27.161 GAL 3.60 AZL 78.68 MCA 186.57 SMA 130.13 ECC .17206 INC11.3226 VI 29.503
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.906 GAP -1.64 AZP 101.25 TAL 162.22 TAP 348.79 RCA 107.74 APO 152.52 V2 35.075
 RC 77.874 GL 59.02 GP -78.96 ZAL 77.94 ZAP 84.90 ETS 25.96 ZAE 105.94 ETE 281.33 ZAC 104.65 ETC 357.95 CLP -62.33

PLANETOCENTRIC CONIC

C3 38.540 VHL 6.208 DLA 58.33 RAL 201.49 RAD 6568.5 VEL 12.645 PTH 2.30 VMP 9.595 DPA -60.72 RAP 120.15 ECC 1.6343
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 36.61 22 57 35 4523.32 -28.45 221.62 91.98 36.67 24 12 58 3923.3 -34.74 216.23
 143.39 8 24 31 2874.66 -28.43 87.35 91.96 36.66 9 12 26 2274.7 -34.73 81.96
 36.61 22 57 35 4523.32 -28.45 221.62 91.98 36.67 24 12 58 3923.3 -34.74 216.23
 143.39 8 24 31 2874.66 -28.43 87.35 91.96 36.66 9 12 26 2274.7 -34.73 81.96
 36.61 22 57 35 4523.32 -28.45 221.62 91.98 36.67 24 12 58 3923.3 -34.74 216.23
 143.39 8 24 31 2874.66 -28.43 87.35 91.96 36.66 9 12 26 2274.7 -34.73 81.96

DIFFERENTIAL CORRECTIONS

TDE .6813 TRA -.3617 TC3 -.0116 BAU .3456
 RDE -.2232 RRA 2.6267 RC3 -.6707 FAU .01797
 FDE -.2365 FRA 1.4359 FC3 -.4037 BSP 14550
 BDE .7169 BRA 2.6515 BC3 .6708 FSP -700

MID-COURSE EXECUTION ACCURACY

SGT 894.3 SGR 4696.2 SG3 223.1
 RRT -.7269 RRF .9990 RTF -.7511
 SGB 4780.6 R23 .0182 R13 .9995
 SG1 4741.7 SG2 608.2 TMA 98.01

ORBIT DETERMINATION ACCURACY

ST 657.1 SR 1400.6 SS 653.4
 CRT -.4278 CRS -.9912 CST .5439
 LSA 1576.0 MSA 580.4 SSA 1.6
 EL1 1434.3 EL2 580.0 ALF 103.62

LAUNCH DATE MAY 9 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 438.542

RL 151.02 LAL -.00 LOL 227.70 VL 27.170 GAL 3.62 AZL 83.42 MCA 189.71 SMA 130.19 ECC .17169 INC 6.5828 VI 29.503
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.924 GAP -1.20 AZP 96.49 TAL 162.06 TAP 351.77 RCA 107.84 APO 152.54 V2 35.088
 RC 80.046 GL 47.21 GP -69.75 ZAL 72.02 ZAP 85.21 ETS 13.88 ZAE 115.13 ETE 270.89 ZAC 108.20 ETC 352.47 CLP -76.04

PLANETOCENTRIC CONIC

C3 17.946 VHL 4.236 DLA 48.11 RAL 191.03 RAD 6567.7 VEL 11.804 PTH 2.09 VMP 6.808 DPA -52.29 RAP 128.56 ECC 1.2953
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.33 22 53 42 4251.26 -32.89 197.34 65.59 52.67 24 4 34 3651.3 -37.49 189.74
 130.67 7 4 58 2770.46 -32.88 81.35 65.58 52.66 7 51 8 2170.5 -37.48 73.75
 49.33 22 53 42 4251.26 -32.89 197.34 65.59 52.67 24 4 34 3651.3 -37.49 189.74
 130.67 7 4 58 2770.46 -32.88 81.35 65.58 52.66 7 51 8 2170.5 -37.48 73.75
 49.33 22 53 42 4251.26 -32.89 197.34 65.59 52.67 24 4 34 3651.3 -37.49 189.74
 130.67 7 4 58 2770.46 -32.88 81.35 65.58 52.66 7 51 8 2170.5 -37.48 73.75

DIFFERENTIAL CORRECTIONS

TDE .3772 TRA .0618 TC3 -.3231 BAU .4520
 RDE .0080 RRA 2.1441 RC3 -1.8580 FAU .03926
 FDE -.0778 FRA 2.0278 FC3 -1.8937 BSP 14486
 BDE .3773 BRA 2.1450 BC3 1.8839 FSP -1219

MID-COURSE EXECUTION ACCURACY

SGT 592.4 SGR 4619.1 SG3 381.1
 RRT .3581 RRF .9993 RTF .3444
 SGB 4656.9 R23 .0200 R13 .9992
 SG1 4624.0 SG2 552.5 TMA 87.33

ORBIT DETERMINATION ACCURACY

ST 511.7 SR 1303.8 SS 728.0
 CRT .0822 CRS -.9956 CST .0111
 LSA 1492.5 MSA 514.1 SSA 2.6
 EL1 1304.6 EL2 509.6 ALF 87.82

LAUNCH DATE MAY 9 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 444.904

RL 151.02 LAL -.00 LOL 227.70 VL 27.176 GAL 3.65 AZL 85.85 MCA 192.90 SMA 130.23 ECC .17151 INC 4.1546 V1 29.503
 RP 107.96 LAP -.93 LOP 60.56 VP 37.940 GAP -.76 AZP 94.05 TAL 161.88 TAP 354.78 RCA 107.90 APO 152.57 V2 35.101
 RC 82.236 GL 35.21 GP -62.23 ZAL 67.18 ZAP 87.04 ETS 6.71 ZAE 122.21 ETE 264.17 ZAC 111.15 ETC 351.35 CLP -83.64

PLANETOCENTRIC CONIC

C3 11.615 VHL 3.408 OLA 37.40 RAL 183.50 RAD 6567.4 VEL 11.533 PTH 2.01 VHP 5.460 DPA -45.06 RAP 132.66 ECC 1.1911
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 64.47 23 27 7 3982.15 -29.19 171.08 46.59 65.49 24 33 29 3382.2 -32.23 162.89
 115.53 5 31 29 2846.97 -29.18 85.46 46.58 65.48 6 18 56 2247.0 -32.22 77.27
 64.47 23 27 7 3982.15 -29.19 171.08 46.59 65.49 24 33 29 3382.2 -32.23 162.89
 115.53 5 31 29 2846.97 -29.18 85.46 46.58 65.48 6 18 56 2247.0 -32.22 77.27
 64.47 23 27 7 3982.15 -29.19 171.08 46.59 65.49 24 33 29 3382.2 -32.23 162.89
 115.53 5 31 29 2846.97 -29.18 85.46 46.58 65.48 6 18 56 2247.0 -32.22 77.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2465 TRA .2613 TC3 -.9045 BAU .4738 SGT 926.1 SGR 4405.6 SG3 558.5 ST 446.8 SR 1182.8 SS 816.7
 RDE -.0379 RRA 1.8579 RC3-2.9143 FAU .06027 RRT .8266 RRF .9992 RTF .8211 CRT .3224 CRS -.9941 CST -.2175
 FDE -.1671 FRA 2.6868 FC3-4.4927 BSP 13966 SGB 4501.9 R23 .0288 R13 .9989 LSA 1441.8 MSA 432.1 SSA 3.9
 BDE .2494 BRA 1.8761 BC3 3.0515 FSP -1785 SG1 4472.5 SG2 513.4 THA 80.01 EL1 1192.8 EL2 419.4 ALF 82.07

LAUNCH DATE MAY 9 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 451.262

RL 151.02 LAL -.00 LOL 227.70 VL 27.180 GAL 3.69 AZL 87.32 MCA 196.09 SMA 130.26 ECC .17155 INC 2.6758 V1 29.503
 RP 107.92 LAP -.74 LOP 63.78 VP 37.955 GAP -.33 AZP 92.57 TAL 161.68 TAP 357.77 RCA 107.91 APO 152.61 V2 35.113
 RC 84.440 GL 24.69 GP -55.83 ZAL 63.76 ZAP 90.04 ETS 1.17 ZAE 127.80 ETE 257.62 ZAC 113.88 ETC 351.23 CLP -90.07

PLANETOCENTRIC CONIC

C3 9.194 VHL 3.032 OLA 27.75 RAL 178.45 RAD 6567.3 VEL 11.427 PTH 1.98 VHP 4.703 DPA -38.64 RAP 134.77 ECC 1.1513
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 0 49 3205.87 -26.01 111.15 36.00 78.40 3 54 15 2605.9 -27.35 102.74
 90.00 1 21 27 3529.13 -19.81 132.77 34.05 69.34 2 20 16 2929.1 -22.44 125.09
 100.00 5 7 14 2798.34 -29.11 81.74 36.58 82.90 5 53 52 2198.3 -29.79 73.00
 100.00 1 57 43 3411.90 -16.91 122.88 32.77 64.98 2 54 35 2811.9 -20.14 115.58
 110.00 7 17 11 2391.65 -34.18 51.21 36.92 90.42 7 57 2 1791.7 -35.74 42.00
 110.00 2 4 15 3391.35 -12.45 118.82 30.26 57.91 3 0 47 2791.3 -16.60 112.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1351 TRA .4252 TC3-1.6189 BAU .4770 SGT 1361.4 SGR 4124.4 SG3 730.6 ST 374.5 SR 1095.1 SS 936.8
 RDE -.1528 RRA 1.6480 RC3-3.5271 FAU .07967 RRT .9292 RRF .9991 RTF .9260 CRT .5252 CRS -.9915 CST -.4103
 FDE -.4721 FRA 3.3120 FC3-7.5020 BSP 13440 SGB 4343.3 R23 .0409 R13 .9982 LSA 1449.8 MSA 339.2 SSA 5.6
 BDE .2040 BRA 1.7000 BC3 3.8808 FSP -2341 SG1 4316.6 SG2 480.8 THA 72.73 EL1 1114.2 EL2 313.2 ALF 78.93

LAUNCH DATE MAY 9 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 457.608

RL 151.02 LAL -.00 LOL 227.70 VL 27.181 GAL 3.74 AZL 88.32 MCA 199.30 SMA 130.27 ECC .17181 INC 1.6770 V1 29.503
 RP 107.89 LAP -.55 LOP 66.99 VP 37.967 GAP .11 AZP 91.58 TAL 161.44 TAP .74 RCA 107.89 APO 152.65 V2 35.125
 RC 86.655 GL 16.10 GP -50.23 ZAL 61.53 ZAP 93.86 ETS 556.67 ZAE 132.10 ETE 250.67 ZAC 116.47 ETC 351.59 CLP -96.05

PLANETOCENTRIC CONIC

C3 8.202 VHL 2.864 OLA 19.72 RAL 175.05 RAD 6567.3 VEL 11.384 PTH 1.97 VHP 4.247 DPA -32.87 RAP 135.81 ECC 1.1350
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 10 12 2689.88 -27.56 73.83 28.96 96.77 5 55 2 2089.9 -26.34 65.38
 90.00 22 40 56 4001.72 -6.32 160.88 24.89 62.34 23 47 38 3401.7 -9.97 154.11
 100.00 6 44 0 2387.38 -28.71 51.40 28.78 98.71 7 23 48 1787.4 -27.21 42.92
 100.00 23 49 49 3779.45 -5.30 143.98 24.33 60.54 24 52 48 3179.5 -9.19 137.35
 110.00 8 19 4 2089.99 -31.60 28.15 28.12 103.77 8 53 54 1490.0 -29.38 19.65
 110.00 0 35 11 3649.61 -2.80 132.58 22.78 55.92 1 36 0 3049.6 -7.25 126.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0161 TRA .5785 TC3-2.3316 BAU .4790 SGT 1815.5 SGR 3806.5 SG3 880.9 ST 372.4 SR 1070.1 SS 1121.2
 RDE -.2566 RRA 1.4693 RC3-3.6932 FAU .09624 RRT .9619 RRF .9988 RTF .9595 CRT .8319 CRS -.9908 CST -.7496
 FDE -.9073 FRA 3.8461 FC-10.1582 BSP 13042 SGB 4217.2 R23 .0545 R13 .9973 LSA 1574.7 MSA 247.1 SSA 8.0
 BDE .2571 BRA 1.5791 BC3 4.3677 FSP -2842 SG1 4193.1 SG2 450.4 THA 65.05 EL1 1115.6 EL2 198.2 ALF 73.31

LAUNCH DATE MAY 9 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 463.941

RL 151.02 LAL -.00 LOL 227.70 VL 27.180 GAL 3.80 AZL 89.05 MCA 202.52 SMA 130.26 ECC .17229 INC .9536 V1 29.503
 RP 107.85 LAP -.37 LOP 70.21 VP 37.977 GAP .54 AZP 90.88 TAL 161.17 TAP 3.68 RCA 107.82 APO 152.70 V2 35.137
 RC 88.880 GL 9.28 GP -45.27 ZAL 60.09 ZAP 98.20 ETS 353.03 ZAE 135.22 ETE 243.33 ZAC 118.89 ETC 352.30 CLP -101.70

PLANETOCENTRIC CONIC

C3 7.837 VHL 2.799 OLA 13.26 RAL 172.72 RAD 6567.3 VEL 11.368 PTH 1.96 VHP 3.967 DPA -27.65 RAP 136.25 ECC 1.1290
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 3 51 2439.98 -24.32 56.28 23.81 104.96 6 44 31 1840.0 -22.03 48.36
 90.00 21 28 43 4234.76 1.16 173.92 20.80 61.70 22 39 18 3634.8 -2.63 167.29
 100.00 7 32 6 2155.36 -25.22 35.07 23.54 106.61 8 8 2 1555.4 -22.70 27.17
 100.00 22 43 9 3994.62 1.97 155.81 20.35 60.17 23 49 44 3394.6 -2.01 149.29
 110.00 8 55 54 1893.17 -27.56 14.27 22.64 111.07 9 27 27 1293.2 -24.45 6.48
 110.00 23 35 51 3829.57 4.08 141.98 19.04 56.03 24 39 41 3229.6 -.41 135.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1138 TRA .7265 TC3-2.9648 BAU .4845 SGT 2267.9 SGR 3470.9 SG3 999.5 ST 516.5 SR 1070.5 SS 1343.7
 RDE -.3293 RRA 1.3151 RC3-3.5484 FAU .10895 RRT .9755 RRF .9984 RTF .9735 CRT .9769 CRS -.9914 CST -.9409
 FDE -1.3904 FRA 4.2624 FC-12.0358 BSP 12815 SGB 4146.2 R23 .0677 R13 .9981 LSA 1784.7 MSA 181.0 SSA 10.9
 BDE .3484 BRA 1.5024 BC3 4.6240 FSP -3253 SG1 4124.9 SG2 419.7 THA 57.10 EL1 1184.3 EL2 99.8 ALF 64.57

LAUNCH DATE MAY 9 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 470.256

RL 151.02 LAL -.00 LOL 227.70 VL 27.177 GAL 3.88 AZL 89.60 MCA 205.74 SMA 130.24 ECC .17298 INC .4029 V1 29.503
 RP 107.82 LAP -.17 LOP 73.43 VP 37.985 GAP .97 AZP 90.36 TAL 160.85 TAP 6.59 RCA 107.71 APO 152.77 V2 35.149
 RC 91.113 GL 3.92 GP -40.83 ZAL 59.11 ZAP 102.82 ETS 350.12 ZAE 137.25 ETE 235.83 ZAC 121.10 ETC 353.31 CLP-107.06

PLANETOCENTRIC CONIC

C3 7.785 VML 2.790 DLA 9.08 RAL 171.13 RAD 6567.3 VEL 11.366 PTH 1.96 VMP 3.802 DPA -22.95 RAP 136.36 ECC 1.1281
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 39 58 2267.48 -20.82 44.86 20.73 109.64 7 17 46 1667.5 -17.95 37.36
 90.00 20 39 57 4404.83 6.60 183.46 18.82 62.40 21 53 22 3804.8 2.85 176.78
 100.00 8 5 13 1992.53 -21.62 24.32 20.41 111.16 8 38 26 1392.5 -18.55 16.87
 100.00 21 57 24 4155.01 7.35 164.68 18.41 60.94 23 6 39 3555.0 3.42 158.10
 110.00 9 22 23 1751.08 -23.74 5.00 19.42 115.35 9 51 34 1151.1 -20.13 357.72
 110.00 22 56 44 3969.23 9.33 149.38 17.21 56.97 24 2 53 3369.2 4.92 143.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2525 TRA .8708 TC3-3.4895 BAU .4953
 RDE -.3693 RRA 1.1785 RC3-3.2356 FAU .11735
 FDE-1.8535 FRA 4.5543 FC-13.0500 BSP 12764
 BDE .4473 BRA 1.4653 BC3 4.7588 FSP -3544

SGT 2706.1 SGR 3132.1 SG3 1081.7
 RRT .9821 RRF .9977 RTF .9804
 SGB 4139.2 R23 .0779 R13 .9947
 SG1 4121.0 SG2 387.4 TMA 49.25

ST 752.2 SR 1056.2 SS 1560.5
 CRT .9989 CRS -.9917 CST -.9856
 LSA 2023.8 MSA 143.9 SSA 13.6
 EL1 1296.4 EL2 28.7 ALF 54.55

LAUNCH DATE MAY 9 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 476.554

RL 151.02 LAL -.00 LOL 227.70 VL 27.172 GAL 3.97 AZL 90.03 MCA 208.96 SMA 130.20 ECC .17388 INC .0271 V1 29.503
 RP 107.78 LAP .02 LOP 76.66 VP 37.992 GAP 1.40 AZP 89.97 TAL 160.50 TAP 9.45 RCA 107.56 APO 152.84 V2 35.160
 RC 93.352 GL -.32 GP -36.85 ZAL 58.35 ZAP 107.52 ETS 347.83 ZAE 138.32 ETE 228.54 ZAC 123.03 ETC 354.57 CLP-112.10

PLANETOCENTRIC CONIC

C3 7.909 VML 2.812 DLA 3.92 RAL 170.08 RAD 6567.3 VEL 11.371 PTH 1.96 VMP 3.717 DPA -18.73 RAP 136.34 ECC 1.1302
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 7 36 2138.80 -17.66 36.74 18.99 112.50 7 43 15 1538.8 -14.46 29.53
 90.00 20 3 57 4539.32 10.76 191.15 18.05 63.65 21 19 36 3939.3 7.14 184.34
 100.00 8 30 47 1870.51 -18.42 16.66 18.65 113.96 9 1 58 1270.5 -15.03 9.52
 100.00 21 23 27 4282.84 11.50 171.90 17.66 62.22 22 34 50 3682.8 7.69 165.18
 110.00 9 43 14 1643.74 -20.45 358.40 17.60 118.00 10 10 38 1043.7 -16.55 351.45
 110.00 22 27 29 4082.38 13.46 155.54 16.51 58.28 23 35 31 3482.4 9.17 149.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.3957 TRA 1.0135 TC3-3.8967 BAU .5103
 RDE -.3815 RRA 1.0594 RC3-2.8467 FAU .12115
 FDE-2.2510 FRA 4.7375 FC-13.2609 BSP 12859
 BDE .5497 BRA 1.4661 BC3 4.8258 FSP -3700

SGT 3120.4 SGR 2801.5 SG3 1127.4
 RRT .9853 RRF .9968 RTF .9841
 SGB 4193.5 R23 .0835 R13 .9933
 SG1 4178.3 SG2 357.2 TMA 41.87

ST 1019.7 SR 1013.8 SS 1744.6
 CRT .9991 CRS -.9914 CST -.9955
 LSA 2257.1 MSA 127.5 SSA 15.5
 EL1 1437.6 EL2 30.9 ALF 44.83

LAUNCH DATE MAY 9 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 482.832

RL 151.02 LAL -.00 LOL 227.70 VL 27.165 GAL 4.08 AZL 90.39 MCA 212.18 SMA 130.16 ECC .17499 INC .3892 V1 29.503
 RP 107.75 LAP .21 LOP 79.88 VP 37.997 GAP 1.82 AZP 89.67 TAL 160.10 TAP 12.28 RCA 107.38 APO 152.93 V2 35.170
 RC 95.596 GL -3.70 GP -33.29 ZAL 57.69 ZAP 112.16 ETS 346.04 ZAE 138.59 ETE 221.76 ZAC 124.63 ETC 356.03 CLP-116.83

PLANETOCENTRIC CONIC

C3 8.144 VML 2.854 DLA .53 RAL 169.43 RAD 6567.3 VEL 11.381 PTH 1.97 VMP 3.692 DPA -14.97 RAP 136.29 ECC 1.1340
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 30 15 2038.82 -14.95 30.65 18.16 114.33 8 4 14 1438.8 -11.54 23.63
 90.00 19 36--6 4650.12 14.03 197.65 18.03 65.15 20 53 36 4050.1 -10.56 190.69
 100.00 8 51 50 1775.65 -15.71 10.93 17.80 115.76 9 21 26 1175.6 -12.11 3.98
 100.00 20 57 12 4388.53 14.78 178.04 17.66 63.72 22 10 21 3788.5 11.13 171.15
 110.00 10 0 39 1560.27 -17.71 353.48 16.70 119.73 10 26 39 960.3 -13.62 346.76
 110.00 22 4 53 4176.67 16.77 160.85 16.55 59.77 23 14 30 3576.7 12.63 154.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.5440 TRA 1.1511 TC3-4.2104 BAU .5314
 RDE -.3773 RRA .9522 RC3-2.4677 FAU .12192
 FDE-2.5830 FRA 4.8078 FC-12.9601 BSP 13211
 BDE .6620 BRA 1.4939 BC3 4.8803 FSP -3774

SGT 3508.5 SGR 2492.4 SG3 1142.3
 RRT .9869 RRF .9954 RTF .9863
 SGB 4303.7 R23 .0829 R13 .9922
 SG1 4291.2 SG2 328.4 TMA 35.27

ST 1295.6 SR 951.0 SS 1895.9
 CRT .9966 CRS -.9904 CST -.9982
 LSA 2482.4 MSA 122.4 SSA 16.3
 EL1 1605.9 EL2 63.7 ALF 36.25

LAUNCH DATE MAY 9 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 489.091

RL 151.02 LAL -.00 LOL 227.70 VL 27.156 GAL 4.20 AZL 90.69 MCA 215.41 SMA 130.10 ECC .17630 INC .6866 V1 29.503
 RP 107.72 LAP .40 LOP 83.11 VP 38.000 GAP 2.24 AZP 89.44 TAL 159.67 TAP 15.08 RCA 107.16 APO 153.03 V2 35.180
 RC 97.843 GL -6.41 GP -30.12 ZAL 57.06 ZAP 116.65 ETS 344.65 ZAE 138.24 ETE 215.74 ZAC 125.89 ETC 357.62 CLP-121.23

PLANETOCENTRIC CONIC

C3 8.457 VML 2.908 DLA -2.27 RAL 169.09 RAD 6567.3 VEL 11.395 PTH 1.97 VMP 3.712 DPA -11.64 RAP 136.30 ECC 1.1392
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 49 40 1959.03 -12.66 25.91 17.96 115.54 8 22 19 1359.0 -9.12 19.02
 90.00 19 13 59 4744.01 16.63 203.31 18.54 66.75 20 53 3 4144.0 13.35 196.17
 100.00 9 9 57 1700.06 -13.42 6.48 17.58 116.96 9 38 17 1100.1 -9.70 359.67
 100.00 20 36 23 4478.23 17.41 183.40 18.18 65.31 21 51 1 3878.2 13.93 176.33
 110.00 10 15 46 1494.03 -15.43 349.70 16.43 120.89 10 40 40 894.0 -11.22 343.12
 110.00 21 47 3 4257.02 19.46 165.52 17.09 61.33 22 58 0 3657.0 15.48 158.66

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.6929 TRA 1.2865 TC3-4.4328 BAU .5552
 RDE -.3591 RRA .8585 RC3-2.1126 FAU .11969
 FDE-2.8301 FRA 4.7964 FC-12.2533 BSP 13694
 BDE .7804 BRA 1.5466 BC3 4.9105 FSP -3757

SGT 3865.9 SGR 2208.1 SG3 1130.9
 RRT .9873 RRF .9934 RTF .9876
 SGB 4452.1 R23 .0765 R13 .9914
 SG1 4441.6 SG2 305.7 TMA 29.57

ST 1564.8 SR 871.7 SS 2007.6
 CRT .9935 CRS -.9885 CST -.9992
 LSA 2687.7 MSA 122.7 SSA 16.5
 EL1 1789.2 EL2 86.8 ALF 29.04

LAUNCH DATE MAY 9 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 495.330

RL 151.02 LAL -.00 LOL 227.70 VL 27.146 GAL 4.33 AZL 90.94 MCA 218.64 SMA 130.03 ECC .17782 INC .9405 V1 29.503
 RP 107.69 LAP .59 LOP 88.34 VP 38.002 GAP 2.67 AZP 89.27 TAL 159.20 TAP 17.84 RCA 106.91 APO 153.15 V2 35.190
 RC 100.092 GL -8.60 GP -27.30 ZAL 56.41 ZAP 120.92 ETS 343.59 ZAE 137.48 ETE 210.56 ZAC 126.79 ETC 359.26 CLP-125.32

PLANETOCENTRIC CONIC

C3 8.831 VML 2.972 OLA -4.62 RAL 169.00 RAD 6567.3 VEL 11.411 PTH 1.98 VMP 3.768 DPA -8.72 RAP 136.41 ECC 1.1453
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 6 50 1894.18 -10.73 22.13 18.21 116.36 8 38 25 1294.2 -7.10 15.33
 90.00 18 56 5 4825.33 18.75 208.34 19.42 68.38 20 16 30 4225.3 15.65 201.03
 100.00 9 26 1 1638.78 -11.50 2.95 17.81 117.78 9 53 19 1038.8 -7.69 356.23
 100.00 20 19 36 4555.96 19.55 188.18 19.07 66.93 21 35 32 3956.0 16.26 180.93
 110.00 10 29 17 1440.70 -13.55 346.72 16.61 121.69 10 53 18 840.7 -9.26 340.24
 110.00 21 32 49 4326.80 21.68 169.71 18.01 62.90 22 44 56 3726.8 17.88 162.65

DIFFERENTIAL CORRECTIONS

TDE -.8417 TRA 1.4201 TC3-4.5784 BAU .5807
 RDE -.3324 RRA .7775 RC3-1.7969 FAU .11532
 FDE-2.9995 FRA 4.7245 FC-11.3045 BSP 14273
 BDE .9049 BRA 1.6190 BC3 4.9184 FSP -3674

MID-COURSE EXECUTION ACCURACY

SGT 4193.3 SGR 1952.6 SG3 1100.0
 RRT .9864 RRF .9905 RTF .9884
 SGB 4625.6 R23 .0655 R13 .9908
 SGI 4616.5 SG2 291.0 TMA 24.78

ORBIT DETERMINATION ACCURACY

ST 1821.9 SR 784.4 SS 2084.3
 CRT .9897 CRS -.9854 CST -.9995
 LSA 2874.5 MSA 125.4 SSA 16.5
 EL1 1980.9 EL2 103.1 ALF 23.15

LAUNCH DATE MAY 9 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 501.548

RL 151.02 LAL -.00 LOL 227.70 VL 27.135 GAL 4.48 AZL 91.16 MCA 221.88 SMA 129.95 ECC .17955 INC 1.1611 V1 29.503
 RP 107.66 LAP .78 LOP 89.57 VP 38.002 GAP 3.09 AZP 89.14 TAL 158.69 TAP 20.56 RCA 106.62 APO 153.28 V2 35.199
 RC 102.344 GL -10.38 GP -24.80 ZAL 55.73 ZAP 124.94 ETS 342.77 ZAE 136.44 ETE 206.20 ZAC 127.36 ETC .90 CLP-129.11

PLANETOCENTRIC CONIC

C3 9.260 VML 3.043 OLA -6.60 RAL 169.11 RAD 6567.3 VEL 11.430 PTH 1.98 VMR 3.852 DPA -6.19 RAP 136.65 ECC 1.1524
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 22 23 1840.79 -9.10 19.05 18.81 116.93 8 53 4 1240.8 -5.41 12.31
 90.00 18 41 26 4897.01 20.48 212.88 20.59 70.01 20 3 3 4297.0 17.57 205.41
 100.00 9 40 35 1588.52 -9.89 .08 18.39 118.35 10 7 3 988.5 -6.03 353.43
 100.00 20 5 55 4624.50 21.32 192.50 20.25 68.54 21 23 0 4024.5 18.21 185.08
 110.00 10 41 38 1397.39 -11.98 344.33 17.14 122.26 11 4 55 797.4 -7.64 337.93
 110.00 21 21 22 4388.40 23.54 173.53 19.21 64.47 22 34 30 3788.4 19.91 166.27

DIFFERENTIAL CORRECTIONS

TDE -.9884 TRA 1.5530 TC3-4.6563 BAU .6065
 RDE -.3001 RRA .7082 RC3-1.5233 FAU .10942
 FDE-3.0974 FRA 4.6135 FC-10.2291 BSP 14895
 BDE 1.0330 BRA 1.7076 BC3 4.8991 FSP -3539

MID-COURSE EXECUTION ACCURACY

SGT 4490.8 SGR 1726.5 SG3 1055.5
 RRT .9844 RRF .9865 RTF .9888
 SGB 4811.2 R23 .0519 R13 .9903
 SGI 4802.8 SG2 284.3 TMA 20.80

ORBIT DETERMINATION ACCURACY

ST 2061.8 SR 694.4 SS 2129.4
 CRT .9846 CRS -.9807 CST -.9997
 LSA 3041.5 MSA 129.3 SSA 16.4
 EL1 2172.6 EL2 115.3 ALF 18.40

LAUNCH DATE MAY 9 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 507.745

RL 151.02 LAL -.00 LOL 227.70 VL 27.122 GAL 4.65 AZL 91.36 MCA 225.11 SMA 129.86 ECC .18149 INC 1.3555 V1 29.503
 RP 107.63 LAP .96 LOP 92.80 VP 38.001 GAP 3.51 AZP 89.04 TAL 158.14 TAP 23.25 RCA 106.29 APO 153.43 V2 35.208
 RC 104.596 GL -11.82 GP -22.59 ZAL 55.00 ZAP 128.70 ETS 342.12 ZAE 135.26 ETE 202.58 ZAC 127.58 ETC 2.48 CLP-132.62

PLANETOCENTRIC CONIC

C3 9.741 VML 3.121 OLA -8.30 RAL 169.40 RAD 6567.4 VEL 11.451 PTH 1.99 VMP 3.961 DPA -4.00 RAP 137.05 ECC 1.1603
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 36 42 1796.49 -7.72 16.53 19.69 117.33 9 6 39 1196.5 -4.00 9.82
 90.00 18 29 23 4961.15 21.92 217.04 21.99 71.61 19 52 4 4361.1 19.20 209.42
 100.00 9 54 1 1547.04 -8.54 357.74 19.25 118.76 10 19 48 947.0 -4.64 351.13
 100.00 19 54 44 4685.83 22.79 196.46 21.66 70.12 21 12 50 4085.8 19.88 188.88
 110.00 10 53 6 1362.06 -10.69 342.41 17.95 122.66 11 15 48 762.1 -6.31 336.06
 110.00 21 12 9 4443.58 23.12 177.04 20.64 66.01 22 26 13 3843.6 21.66 169.60

DIFFERENTIAL CORRECTIONS

TDE-1.1313 TRA 1.6902 TC3-4.6704 BAU .6309
 RDE -.2644 RRA .6501 RC3-1.2871 FAU .10228
 FDE-3.1328 FRA 4.4835 FC3-9.0899 BSP 15489
 BDE 1.1618 BRA 1.8109 BC3 4.8445 FSP -3360

MID-COURSE EXECUTION ACCURACY

SGT 4758.7 SGR 1528.2 SG3 1001.9
 RRT .9807 RRF .9808 RTF .9889
 SGB 4998.1 R23 .0385 R13 .9898
 SGI 4989.9 SG2 285.1 TMA 17.54

ORBIT DETERMINATION ACCURACY

ST 2291.6 SR 605.8 SS 2146.5
 CRT .9769 CRS -.9733 CST -.9998
 LSA 3187.8 MSA 134.0 SSA 16.3
 EL1 2357.4 EL2 125.2 ALF 14.58

LAUNCH DATE MAY 9 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 513.918

RL 151.02 LAL -.00 LOL 227.70 VL 27.107 GAL 4.83 AZL 91.53 MCA 228.35 SMA 129.76 ECC .18365 INC 1.5293 V1 29.503
 RP 107.61 LAP 1.14 LOP 96.04 VP 37.998 GAP 3.94 AZP 88.98 TAL 157.56 TAP 25.91 RCA 105.93 APO 153.59 V2 35.216
 RC 106.849 GL -13.00 GP -20.64 ZAL 54.22 ZAP 132.19 ETS 341.60 ZAE 134.01 ETE 199.61 ZAC 127.55 ETC 3.95 CLP-135.87

PLANETOCENTRIC CONIC

C3 10.274 VML 3.205 OLA -9.77 RAL 169.82 RAD 6567.4 VEL 11.474 PTH 1.99 VMP 4.090 DPA -2.13 RAP 137.59 ECC 1.1691
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 50 3 1759.61 -6.56 14.44 20.79 117.61 9 19 22 1159.6 -2.82 7.76
 90.00 18 19 26 5019.27 23.12 220.88 23.58 73.17 19 43 5 4419.3 20.59 213.11
 100.00 10 6 34 1512.71 -7.41 355.82 20.33 119.04 10 31 47 912.7 -3.48 349.24
 100.00 19 45 35 4741.40 24.03 200.12 23.27 71.67 21 4 37 4141.4 21.30 192.39
 110.00 11 3 53 1333.27 -9.63 340.86 18.98 122.96 11 26 6 733.3 -5.22 334.54
 110.00 21 4 46 4493.61 26.46 180.31 22.27 67.53 22 19 40 3893.6 23.18 172.69

DIFFERENTIAL CORRECTIONS

TDE-1.2738 TRA 1.8263 TC3-4.6455 BAU .6555
 RDE -.2288 RRA .5998 RC3-1.0932 FAU .09511
 FDE-3.1321 FRA 4.3327 FC3-8.0141 BSP 16130
 BDE 1.2941 BRA 1.9223 BC3 4.7724 FSP -3181

MID-COURSE EXECUTION ACCURACY

SGT 5002.6 SGR 1357.2 SG3 944.5
 RRT .9753 RRF .9733 RTF .9889
 SGB 5183.5 R23 .0250 R13 .9894
 SGI 5175.4 SG2 289.5 TMA 14.87

ORBIT DETERMINATION ACCURACY

ST 2485.8 SR 523.7 SS 2147.6
 CRT .9659 CRS -.9624 CST -.9999
 LSA 3323.6 MSA 138.5 SSA 16.2
 EL1 2536.9 EL2 132.8 ALF 11.53

LAUNCH DATE MAY 9 1967 FLIGHT TIME 190.00 ARRIVAL DATE NOV 15 1967

Heliocentric Conic
 RL 151.02 LAL -.00 LOL 227.70 VL 27.092 GAL 5.02 AZL 91.69 MCA 231.59 SMA 129.66 ECC .18603 INC 1.6866 V1 29.503
 RP 107.59 LAP 1.32 LOP 99.27 VP 37.994 GAP 4.37 AZP 88.95 TAL 156.95 TAP 28.54 RCA 105.54 APO 153.78 V2 35.223
 RC 109.101 GL -13.95 GP -18.93 ZAL 53.40 ZAP 135.45 ETS 341.16 ZAE 132.77 ETE 197.17 ZAC 127.24 ETC 5.31 CLP-138.88

Planetocentric Conic
 C3 10.863 VML 3.296 DLA -11.04 RAL 170.37 RAD 6567.4 VEL 11.500 PTH 2.00 VMP 4.237 DPA -.54 RAP 138.28 ECC 1.1788
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 2 36 1728.97 -5.59 12.71 22.07 117.80 9 31 25 1129.0 -1.83 6.05
 90.00 18 11 15 5072.51 24.12 224.46 25.33 74.70 19 35 48 4472.5 21.79 216.56
 100.00 10 18 24 1484.40 -6.47 354.24 21.59 119.25 10 43 8 884.4 -2.52 347.68
 100.00 19 38 8 4792.30 25.08 203.54 25.03 73.18 20 58 0 4192.3 22.54 195.67
 110.00 11 14 6 1309.99 -8.77 339.61 20.19 123.17 11 35 56 710.0 -4.34 333.32
 110.00 20 58 56 4539.48 27.62 183.37 24.06 69.01 22 14 35 3939.5 24.51 175.58

Differential Corrections
 TOE-1.4142 TRA 1.9652 TC3-4.5834 BAU .6793
 ROE -.1934 RRA .5573 RC3 -.9317 FAU .08790
 FOE-3.0985 FRA 4.1772 FC3-7.0051 BSP 16764
 BOE 1.4273 BRA 2.0427 BC3 4.6771 FSP -2996

Mid-Course Execution Accuracy
 SGT 5223.7 SGR 1210.1 SG3 885.7
 RRT .9678 RRF .9633 RTF .9888
 SGB 5362.0 R23 .0131 R13 .9890
 SG1 5353.7 SG2 297.4 TMA 12.68

Orbit Determination Accuracy
 ST 2672.5 SR 448.4 SS 2133.2
 CRT .9491 CRS -.9456 CST -.9999
 LSA 3445.7 MSA 143.1 SSA 16.1
 EL1 2706.2 EL2 139.4 ALF 9.07

LAUNCH DATE MAY 9 1967 FLIGHT TIME 192.00 ARRIVAL DATE NOV 17 1967

Heliocentric Conic
 RL 151.02 LAL -.00 LOL 227.70 VL 27.076 GAL 5.23 AZL 91.83 MCA 234.83 SMA 129.54 ECC .18864 INC 1.8303 V1 29.503
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.989 GAP 4.80 AZP 88.95 TAL 156.31 TAP 31.13 RCA 105.11 APO 153.98 V2 35.230
 RC 111.351 GL -14.70 GP -17.42 ZAL 52.53 ZAP 138.46 ETS 340.77 ZAE 131.57 ETE 195.17 ZAC 126.70 ETC 6.52 CLP-141.67

Planetocentric Conic
 C3 11.512 VML 3.393 DLA -12.15 RAL 171.02 RAD 6567.4 VEL 11.528 PTH 2.01 VMP 4.399 DPA .79 RAP 139.12 ECC 1.1895
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 14 29 1703.66 -4.79 11.28 23.52 117.94 9 42 52 1103.7 -1.01 4.64
 90.00 18 4 34 5121.74 24.96 227.82 27.22 76.18 19 29 56 4521.7 22.82 219.80
 100.00 10 29 37 1461.25 -5.70 352.96 23.02 119.39 10 53 58 861.3 -1.74 346.41
 100.00 19 32 7 4839.38 25.97 206.76 26.93 74.65 20 52 46 4239.4 23.61 198.75
 110.00 11 23 50 1291.43 -8.07 338.62 21.57 123.33 11 45 22 691.4 -3.63 332.34
 110.00 20 54 23 4581.96 28.62 186.27 26.00 70.46 22 10 45 3982.0 25.69 178.32

Differential Corrections
 TOE-1.5517 TRA 2.1090 TC3-4.4861 BAU .7012
 ROE -.1585 RRA .5215 RC3 -.7961 FAU .08071
 FOE-3.0395 FRA 4.0252 FC3-6.0700 BSP 17353
 BOE 1.5598 BRA 2.1725 BC3 4.5561 FSP -2808

Mid-Course Execution Accuracy
 SGT 5422.7 SGR 1084.0 SG3 827.2
 RRT .9574 RRF .9504 RTF .9885
 SGB 5330.0 R23 .0031 R13 .9886
 SG1 5521.4 SG2 307.4 TMA 10.87

Orbit Determination Accuracy
 ST 2840.7 SR 380.7 SS 2106.1
 CRT .9230 CRS -.9193 CST -.9999
 LSA 3553.6 MSA 147.9 SSA 15.9
 EL1 2862.4 EL2 145.4 ALF 7.07

LAUNCH DATE MAY 9 1967 FLIGHT TIME 194.00 ARRIVAL DATE NOV 19 1967

Heliocentric Conic
 RL 151.02 LAL -.00 LOL 227.70 VL 27.058 GAL 5.47 AZL 91.96 MCA 238.07 SMA 129.42 ECC .19148 INC 1.9632 V1 29.503
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.982 GAP 5.24 AZP 88.96 TAL 155.64 TAP 33.70 RCA 104.64 APO 154.21 V2 35.236
 RC 113.598 GL -15.30 GP -16.08 ZAL 51.62 ZAP 141.27 ETS 340.40 ZAE 130.42 ETE 193.52 ZAC 125.96 ETC 7.60 CLP-144.28

Planetocentric Conic
 C3 12.225 VML 3.496 DLA -13.13 RAL 171.76 RAD 6567.5 VEL 11.559 PTH 2.02 VMP 4.574 DPA 1.89 RAP 140.09 ECC 1.2012
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 25 47 1683.04 -4.13 10.12 25.12 118.04 9 53 50 1083.0 -.35 3.49
 90.00 17 59 10 5167.63 25.67 230.99 29.24 77.62 19 25 18 4567.6 23.71 222.87
 100.00 10 40 18 1442.63 -5.08 351.93 24.59 119.50 11 4 21 842.6 -1.11 345.39
 100.00 19 27 21 4883.27 26.72 209.80 28.96 76.08 20 48 44 4283.3 24.54 201.68
 110.00 11 33 11 1277.02 -7.53 337.85 23.08 123.44 11 54 28 677.0 -3.08 331.59
 110.00 20 50 57 4621.64 29.49 189.03 28.06 71.88 22 7 59 4021.6 26.73 180.93

Differential Corrections
 TOE-1.6872 TRA 2.2586 TC3-4.3616 BAU .7216
 ROE -.1245 RRA .4915 RC3 -.6827 FAU .07379
 FOE-2.9637 FRA 3.8804 FC3-5.2257 BSP 17911
 BOE 1.6918 BRA 2.3114 BC3 4.4147 FSP -2624

Mid-Course Execution Accuracy
 SGT 5602.7 SGR 976.4 SG3 770.7
 RRT .9438 RRF .9340 RTF .9882
 SGB 5687.1 R23 -.0051 R13 .9882
 SG1 5678.2 SG2 318.5 TMA 9.37

Orbit Determination Accuracy
 ST 2992.1 SR 321.5 SS 2069.9
 CRT .8818 CRS -.8779 CST -.9999
 LSA 3649.3 MSA 152.6 SSA 15.8
 EL1 3005.5 EL2 151.0 ALF 5.43

LAUNCH DATE MAY 9 1967 FLIGHT TIME 196.00 ARRIVAL DATE NOV 21 1967

Heliocentric Conic
 RL 151.02 LAL -.00 LOL 227.70 VL 27.040 GAL 5.71 AZL 92.09 MCA 241.31 SMA 129.30 ECC .19457 INC 2.0869 V1 29.503
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.974 GAP 5.68 AZP 89.00 TAL 154.93 TAP 36.24 RCA 104.14 APO 154.46 V2 35.241
 RC 115.842 GL -15.76 GP -14.90 ZAL 50.68 ZAP 143.88 ETS 340.03 ZAE 129.35 ETE 192.15 ZAC 125.05 ETC 8.53 CLP-146.71

Planetocentric Conic
 C3 13.012 VML 3.607 DLA -13.99 RAL 172.58 RAD 6567.5 VEL 11.593 PTH 2.03 VMP 4.762 DPA 2.79 RAP 141.18 ECC 1.2141
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 36 34 1666.60 -3.60 9.20 26.83 118.11 10 4 21 1066.6 .18 2.57
 90.00 17 54 54 5210.71 26.26 234.01 31.36 79.02 19 21 45 4610.7 24.48 225.79
 100.00 10 50 31 1428.05 -4.59 351.12 26.29 119.57 11 14 19 828.0 -.62 344.59
 100.00 19 23 39 4924.49 27.36 212.70 31.10 77.48 20 45 43 4324.5 25.36 204.47
 110.00 11 42 9 1266.31 -7.13 337.28 24.72 123.52 12 3 15 666.3 -2.68 331.03
 110.00 20 48 30 4659.00 30.25 191.67 30.24 73.27 22 6 9 4059.0 27.67 183.44

Differential Corrections
 TOE-1.8185 TRA 2.4173 TC3-4.2066 BAU .7388
 ROE -.0912 RRA .4664 RC3 -.5860 FAU .06698
 FOE-2.8723 FRA 3.7476 FC3-4.4563 BSP 18363
 BOE 1.8208 BRA 2.4619 BC3 4.2472 FSP -2437

Mid-Course Execution Accuracy
 SGT 5762.8 SGR 884.7 SG3 716.6
 RRT .9263 RRF .9137 RTF .9877
 SGB 5830.4 R23 -.0114 R13 .9877
 SG1 5821.0 SG2 330.0 TMA 8.12

Orbit Determination Accuracy
 ST 3124.2 SR 271.3 SS 2024.5
 CRT .8157 CRS -.8117 CST -.9999
 LSA 3729.3 MSA 157.5 SSA 15.7
 EL1 3132.1 EL2 156.5 ALF 4.06

LAUNCH DATE MAY 9 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 544.407

RL 151.02 LAL -.00 LOL 227.70 VL 27.021 GAL 5.98 AZL 92.20 MCA 244.55 SMA 129.17 ECC .19792 INC 2.2033 VI 29.503
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.964 GAP 6.13 AZP 89.05 TAL 154.21 TAP 38.76 RCA 103.60 APO 154.73 V2 35.246
 RC 118.080 GL -16.10 GP -13.86 ZAL 49.70 ZAP 146.31 ETS 339.64 ZAE 128.35 ETE 191.01 ZAC 123.98 ETC 9.34 CLP -148.98

PLANETOCENTRIC CONIC

C3 13.879 VML 3.725 DLA -14.75 RAL 173.46 RAD 6567.5 VEL 11.630 PTH 2.04 VMP 4.962 DPA 3.51 RAP 142.39 ECC 1.2284
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 46 53 1653.98 -3.20 8.50 28.65 118.15 10 14 27 1054.0 .59 1.87
 90.00 17 51 37 5251.39 26.76 236.88 33.59 80.38 19 19 9 4651.4 25.16 228.58
 100.00 11 0 17 1417.15 -4.22 350.52 28.09 119.62 11 23 54 817.1 -.25 343.99
 100.00 19 20 55 4963.45 27.91 215.46 33.35 78.83 20 43 38 4363.5 26.09 207.14
 110.00 11 50 47 1238.96 -6.86 336.89 26.46 123.57 12 11 46 659.0 -2.40 330.65
 110.00 20 46 54 4694.40 30.92 194.22 32.53 74.64 22 5 8 4094.4 28.50 185.85

DIFFERENTIAL CORRECTIONS

TDE-1.9516 TRA 2.5802 TC3-4.0436 BAU .7561
 RDE -.0596 RRA .4446 RC3 -.5063 FAU .06086
 FDE-2.7817 FRA 3.6187 FC3-3.7961 BSP 18858
 BDE 1.9525 BRA 2.6182 BC3 4.0752 FSP -2274

MID-COURSE EXECUTION ACCURACY

SGT 5909.6 SGR 806.6 SG3 666.0
 RRT .9048 RRF .8891 RTF .9873
 SGB 5964.4 R23 -.0169 R13 .9872
 SG1 5954.7 SG2 340.9 THA 7.06

ORBIT DETERMINATION ACCURACY

ST 3245.4 SR 231.4 SS 1978.2
 CRT .7156 CRS -.7114 CST -.9999
 LSA 3804.3 MSA 162.0 SSA 15.5
 EL1 3249.6 EL2 161.4 ALF 2.93

LAUNCH DATE MAY 9 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 550.419

RL 151.02 LAL -.00 LOL 227.70 VL 27.001 GAL 6.27 AZL 92.31 MCA 247.80 SMA 129.03 ECC .20154 INC 2.3136 VI 29.503
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.954 GAP 6.58 AZP 89.13 TAL 153.46 TAP 41.26 RCA 103.03 APO 155.04 V2 35.250
 RC 120.312 GL -16.34 GP -12.93 ZAL 48.70 ZAP 148.58 ETS 339.21 ZAE 127.43 ETE 190.06 ZAC 122.77 ETC 10.03 CLP -151.12

PLANETOCENTRIC CONIC

C3 14.836 VML 3.852 DLA -15.41 RAL 174.40 RAD 6567.6 VEL 11.671 PTH 2.05 VMP 5.174 DPA 4.06 RAP 143.71 ECC 1.2442
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 56 44 1644.87 -2.90 7.99 30.58 118.18 10 24 8 1044.9 .89 1.36
 90.00 17 49 14 5290.02 27.17 239.63 33.90 81.70 19 17 24 4690.0 25.74 231.26
 100.00 11 9 38 1409.64 -3.97 350.11 29.99 119.65 11 33 7 809.6 .01 343.58
 100.00 19 19 1 5000.48 28.37 218.12 33.68 80.16 20 42 21 4400.5 26.72 209.71
 110.00 11 59 5 1254.72 -6.70 336.67 28.30 123.60 12 20 0 654.7 -2.23 330.43
 110.00 20 46 3 4728.17 31.50 196.68 34.92 75.99 22 4 51 4128.2 29.26 188.19

DIFFERENTIAL CORRECTIONS

TDE-2.0838 TRA 2.7516 TC3-3.8662 BAU .7718
 RDE -.0290 RRA .4259 RC3 -.4386 FAU .05514
 FDE-2.6882 FRA 3.5001 FC3-3.2174 BSP 19311
 BDE 2.0840 BRA 2.7844 BC3 3.8910 FSP -2119

MID-COURSE EXECUTION ACCURACY

SGT 6042.0 SGR 740.2 SG3 618.8
 RRT .8788 RRF .8600 RTF .9869
 SGB 6087.1 R23 -.0215 R13 .9868
 SG1 6077.0 SG2 351.2 THA 6.17

ORBIT DETERMINATION ACCURACY

ST 3352.4 SR 202.1 SS 1928.9
 CRT .5695 CRS -.5651 CST -.9999
 LSA 3869.4 MSA 166.4 SSA 15.4
 EL1 3354.4 EL2 166.0 ALF 1.97

LAUNCH DATE MAY 9 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 556.397

RL 151.02 LAL -.00 LOL 227.70 VL 26.980 GAL 6.58 AZL 92.42 MCA 251.04 SMA 128.89 ECC .20545 INC 2.4189 VI 29.503
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.942 GAP 7.05 AZP 89.21 TAL 152.69 TAP 43.73 RCA 102.41 APO 155.37 V2 35.253
 RC 122.538 GL -16.48 GP -12.11 ZAL 47.67 ZAP 150.71 ETS 338.73 ZAE 126.58 ETE 189.25 ZAC 121.46 ETC 10.62 CLP -153.13

PLANETOCENTRIC CONIC

C3 15.896 VML 3.987 DLA -16.00 RAL 175.38 RAD 6567.6 VEL 11.717 PTH 2.06 VMP 5.397 DPA 4.48 RAP 145.11 ECC 1.2616
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 6 8 1639.06 -2.72 7.66 32.58 118.20 10 33 27 1039.1 1.07 1.03
 90.00 17 47 38 5326.87 27.50 242.28 38.30 82.98 19 16 25 4726.9 26.25 233.84
 100.00 11 18 35 1405.30 -3.82 349.87 31.97 119.67 11 42 0 805.3 .16 343.34
 100.00 19 17 52 5035.86 28.75 220.68 38.10 81.45 20 41 48 4435.9 27.27 212.19
 110.00 12 7 5 1253.36 -6.64 336.60 30.23 123.61 12 27 58 653.4 -2.18 330.35
 110.00 20 45 52 4760.57 32.01 199.06 37.40 77.32 22 5 12 4160.6 29.94 190.47

DIFFERENTIAL CORRECTIONS

TDE-2.2158 TRA 2.9325 TC3-3.6782 BAU .7858
 RDE .0008 RRA .4098 RC3 -.3806 FAU .04982
 FDE-2.5944 FRA 3.3921 FC3-2.7136 BSP 19734
 BDE 2.2158 BRA 2.9610 BC3 3.6978 FSP -1976

MID-COURSE EXECUTION ACCURACY

SGT 6161.3 SGR 683.7 SG3 575.1
 RRT .8481 RRF .8261 RTF .9864
 SGB 6199.1 R23 -.0251 R13 .9863
 SG1 6188.6 SG2 360.7 THA 5.39

ORBIT DETERMINATION ACCURACY

ST 3446.3 SR 184.0 SS 1878.0
 CRT .3769 CRS -.3726 CST -.9999
 LSA 3925.3 MSA 170.7 SSA 15.2
 EL1 3447.0 EL2 170.4 ALF 1.16

LAUNCH DATE MAY 9 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 562.340

RL 151.02 LAL -.00 LOL 227.70 VL 26.959 GAL 6.91 AZL 92.52 MCA 254.29 SMA 128.75 ECC .20967 INC 2.5202 VI 29.503
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.930 GAP 7.53 AZP 89.32 TAL 151.89 TAP 46.18 RCA 101.75 APO 155.74 V2 35.256
 RC 124.755 GL -16.55 GP -11.37 ZAL 46.63 ZAP 152.72 ETS 338.18 ZAE 125.80 ETE 188.57 ZAC 120.04 ETC 11.11 CLP -155.03

PLANETOCENTRIC CONIC

C3 17.069 VML 4.132 DLA -16.92 RAL 176.39 RAD 6567.7 VEL 11.767 PTH 2.08 VMP 5.632 DPA 4.76 RAP 146.59 ECC 1.2809
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 15 7 1636.35 -2.63 7.51 34.67 118.20 10 42 23 1036.4 1.16 .88
 90.00 17 46 45 5362.17 27.77 244.83 40.77 84.23 19 16 7 4762.2 26.68 236.33
 100.00 11 27 8 1403.95 -3.78 349.79 34.04 119.67 11 50 32 804.0 .20 343.27
 100.00 19 17 25 5069.80 29.07 223.15 40.60 82.72 20 41 55 4469.8 27.76 214.59
 110.00 12 14 46 1254.72 -6.70 336.67 32.23 123.60 12 35 41 654.7 -2.23 330.43
 110.00 20 46 16 4791.80 32.46 201.39 39.96 78.63 22 6 8 4191.8 30.55 192.69

DIFFERENTIAL CORRECTIONS

TDE-2.3441 TRA 3.1276 TC3-3.4724 BAU .7960
 RDE .0303 RRA .3960 RC3 -.3296 FAU .04464
 FDE-2.4966 FRA 3.2984 FC3-2.2639 BSP 20030
 BDE 2.3443 BRA 3.1525 BC3 3.4880 FSP -1831

MID-COURSE EXECUTION ACCURACY

SGT 6266.3 SGR 635.7 SG3 534.4
 RRT .8124 RRF .7877 RTF .9859
 SGB 6298.5 R23 -.0274 R13 .9857
 SG1 6287.7 SG2 369.4 THA 4.73

ORBIT DETERMINATION ACCURACY

ST 3523.8 SR 177.1 SS 1823.2
 CRT .1558 CRS -.1519 CST -.9999
 LSA 3967.6 MSA 175.1 SSA 15.1
 EL1 3523.9 EL2 174.9 ALF .45

LAUNCH DATE MAY 9 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 568.242
 RL 151.02 LAL -1.00 LOL 227.70 VL 26.937 GAL 7.26 AZL 92.62 MCA 257.54 SMA 128.60 ECC .21423 INC 2.6183 V1 29.503
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.916 GAP 8.01 AZP 89.43 TAL 151.09 TAP 48.62 RCA 101.05 APO 156.15 V2 35.258
 RC 126.964 GL -16.55 GP -10.72 ZAL 45.58 ZAP 154.61 ETS 337.56 ZAE 125.08 ETE 187.98 ZAC 118.53 ETC 11.53 CLP-156.84

PLANETOCENTRIC CONIC

C3 18.373 VHL 4.286 DLA -16.97 RAL 177.43 RAD 6567.7 VEL 11.822 PTH 2.09 VHP 5.879 DPA 4.93 RAP 148.14 ECC 1.3024
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 23 40 1636.61 -2.64 7.53 36.83 118.20 10 50 56 1036.6 1.15 .90
 90.00 17 46 31 5396.11 27.98 247.29 43.32 85.45 19 16 28 4796.1 27.05 238.74
 100.00 11 35 18 1405.45 -3.83 349.88 36.17 119.67 11 58 44 805.4 .15 343.35
 100.00 19 17 34 5102.51 29.33 225.55 43.18 83.96 20 42 37 4502.5 28.18 216.93
 110.00 12 22 9 1258.66 -6.84 336.88 34.31 123.57 12 43 .8 658.7 -2.38 330.65
 110.00 20 47 12 4822.05 32.84 203.67 42.60 79.93 22 7 34 4222.1 31.10 194.88

DIFFERENTIAL CORRECTIONS

TDE-2.4771 TRA 3.3295 TC3-3.2712 BAU .8066
 RDE .0588 RRA .3833 RC3 -.2864 FAU .04009
 FDE-2.4076 FRA 3.2088 FC3-1.8892 BSP 20394
 BDE 2.4778 BRA 3.3514 BC3 3.2837 FSP -1709

MID-COURSE EXECUTION ACCURACY

SGT 6362.3 SGR 594.4 SG3 497.0
 RRT .7722 RRF .7447 RTF .9854
 SGB 6390.0 R23 -.0297 R13 .9853
 SG1 6378.9 SG2 376.7 TMA 4.14

ORBIT DETERMINATION ACCURACY

ST 3594.4 SR 179.0 SS 1771.9
 CRT -.0551 CRS .0585 CST-1.0000
 LSA 4007.4 MSA 178.9 SSA 14.8
 EL1 3594.4 EL2 178.8 ALF 179.84

LAUNCH DATE MAY 9 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 574.102
 RL 151.02 LAL -1.00 LOL 227.70 VL 26.915 GAL 7.65 AZL 92.71 MCA 260.78 SMA 128.45 ECC .21914 INC 2.7141 V1 29.503
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.901 GAP 8.52 AZP 89.56 TAL 150.26 TAP 51.05 RCA 100.30 APO 156.60 V2 35.259
 RC 129.165 GL -16.48 GP -10.13 ZAL 44.52 ZAP 156.39 ETS 336.83 ZAE 124.41 ETE 187.47 ZAC 116.95 ETC 11.87 CLP-158.57

PLANETOCENTRIC CONIC

C3 19.823 VHL 4.452 DLA -17.36 RAL 178.50 RAD 6567.8 VEL 11.883 PTH 2.11 VHP 6.138 DPA 5.00 RAP 149.76 ECC 1.3262
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 31 47 1639.72 -2.74 7.70 39.05 118.20 10 59 7 1039.7 1.05 1.07
 90.00 17 46 53 5428.85 28.13 249.67 45.93 86.64 19 17 22 4828.8 27.37 241.09
 100.00 11 43 5 1409.67 -3.97 350.11 38.37 119.65 12 6 34 809.7 .01 343.58
 100.00 19 18 17 5134.13 29.53 227.88 45.81 85.16 20 43 51 4534.1 28.55 219.21
 110.00 12 29 14 1265.07 -7.09 337.22 36.45 123.53 12 50 19 665.1 -2.63 330.97
 110.00 20 48 37 4851.48 33.17 205.90 45.31 81.21 22 9 28 4251.5 31.60 197.03

DIFFERENTIAL CORRECTIONS

TDE-2.6114 TRA 3.5434 TC3-3.0671 BAU .8155
 RDE .0870 RRA .3716 RC3 -.2487 FAU .03589
 FDE-2.3219 FRA 3.1284 FC3-1.5674 BSP 20726
 BDE 2.6128 BRA 3.5629 BC3 3.0772 FSP -1595

MID-COURSE EXECUTION ACCURACY

SGT 6448.1 SGR 559.1 SG3 462.6
 RRT .7274 RRF .6975 RTF .9850
 SGB 6472.3 R23 -.0314 R13 .9848
 SG1 6461.0 SG2 382.9 TMA 3.62

ORBIT DETERMINATION ACCURACY

ST 3654.4 SR 187.5 SS 1721.1
 CRT -.2338 CRS .2367 CST-1.0000
 LSA 4039.6 MSA 182.3 SSA 14.6
 EL1 3654.6 EL2 182.3 ALF 179.31

LAUNCH DATE MAY 9 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 579.915
 RL 151.02 LAL -1.00 LOL 227.70 VL 26.892 GAL 8.05 AZL 92.81 MCA 264.03 SMA 128.30 ECC .22443 INC 2.8080 V1 29.503
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.885 GAP 9.04 AZP 89.71 TAL 149.43 TAP 53.46 RCA 99.51 APO 157.09 V2 35.259
 RC 131.355 GL -16.36 GP -9.60 ZAL 43.46 ZAP 158.09 ETS 336.00 ZAE 123.80 ETE 187.03 ZAC 115.30 ETC 12.16 CLP-160.21

PLANETOCENTRIC CONIC

C3 21.439 VHL 4.630 DLA -17.70 RAL 179.57 RAD 6567.9 VEL 11.951 PTH 2.13 VHP 6.411 DPA 4.97 RAP 151.43 ECC 1.3528
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 39 29 1645.56 -2.93 8.03 41.33 118.18 11 6 54 1045.6 .86 1.40
 90.00 17 47 47 5460.52 28.24 251.98 48.60 87.79 19 18 48 4860.5 27.63 243.37
 100.00 11 50 28 1416.51 -4.20 350.49 40.63 119.62 12 14 4 816.5 -.22 343.95
 100.00 19 19 29 5164.81 29.69 230.15 48.51 86.35 20 45 34 4564.8 28.87 221.44
 110.00 12 36 0 1273.86 -7.42 337.68 38.65 123.46 12 57 13 673.9 -2.96 331.43
 110.00 20 50 27 4880.23 33.44 208.10 48.08 82.48 22 11 47 4280.2 32.04 199.15

DIFFERENTIAL CORRECTIONS

TDE-2.7470 TRA 3.7712 TC3-2.8598 BAU .8220
 RDE .1150 RRA .3606 RC3 -.2155 FAU .03196
 FDE-2.2398 FRA 3.0570 FC3-1.2907 BSP 21022
 BDE 2.7494 BRA 3.7884 BC3 2.8680 FSP -1489

MID-COURSE EXECUTION ACCURACY

SGT 6523.9 SGR 528.7 SG3 430.9
 RRT .6783 RRF .6463 RTF .9845
 SGB 6545.3 R23 -.0325 R13 .9844
 SG1 6533.8 SG2 387.9 TMA 3.16

ORBIT DETERMINATION ACCURACY

ST 3704.0 SR 200.1 SS 1671.2
 CRT -.3733 CRS .3756 CST-1.0000
 LSA 4064.3 MSA 185.6 SSA 14.4
 EL1 3704.8 EL2 185.6 ALF 178.84

LAUNCH DATE MAY 9 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 585.676
 RL 151.02 LAL -1.00 LOL 227.70 VL 26.869 GAL 8.49 AZL 92.90 MCA 267.28 SMA 128.15 ECC .23014 INC 2.9009 V1 29.503
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.868 GAP 9.58 AZP 89.86 TAL 148.59 TAP 55.86 RCA 98.65 APO 157.64 V2 35.259
 RC 133.537 GL -16.20 GP -9.13 ZAL 42.41 ZAP 159.70 ETS 335.02 ZAE 123.23 ETE 186.64 ZAC 113.59 ETC 12.40 CLP-161.79

PLANETOCENTRIC CONIC

C3 23.246 VHL 4.821 DLA -17.99 RAL 180.66 RAD 6567.9 VEL 12.026 PTH 2.15 VHP 6.699 DPA 4.85 RAP 153.14 ECC 1.3826
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 46 44 1654.07 -3.20 8.50 43.67 118.15 11 14 18 1054.1 .59 1.87
 90.00 17 49 11 5491.25 28.30 254.23 51.32 88.92 19 20 42 4891.3 27.85 245.59
 100.00 11 57 27 1425.89 -4.51 351.00 42.94 119.58 12 21 13 825.9 -.54 344.47
 100.00 19 21 9 5194.87 29.80 232.36 51.27 87.51 20 47 44 4594.7 29.13 223.62
 110.00 12 42 26 1284.93 -7.83 338.27 40.90 123.38 13 5 51 684.9 -3.39 332.00
 110.00 20 52 39 4908.39 33.67 210.27 50.92 83.74 22 14 28 4308.4 32.44 201.25

DIFFERENTIAL CORRECTIONS

TDE-2.8846 TRA 4.0130 TC3-2.6529 BAU .8265
 RDE .1429 RRA .3500 RC3 -.1863 FAU .02832
 FDE-2.1617 FRA 2.9936 FC3-1.0546 BSP 21288
 BDE 2.8882 BRA 4.0282 BC3 2.6595 FSP -1391

MID-COURSE EXECUTION ACCURACY

SGT 6590.4 SGR 502.3 SG3 401.8
 RRT .6252 RRF .5916 RTF .9842
 SGB 6609.6 R23 -.0331 R13 .9841
 SG1 6597.9 SG2 391.6 TMA 2.74

ORBIT DETERMINATION ACCURACY

ST 3744.2 SR 214.7 SS 1622.6
 CRT -.4783 CRS .4801 CST-1.0000
 LSA 4082.0 MSA 188.4 SSA 14.2
 EL1 3745.6 EL2 188.4 ALF 178.43

LAUNCH DATE MAY 9 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 591.379

RL 151.02 LAL -.00 LOL 227.70 VL 26.845 GAL 8.96 AZL 92.99 MCA 270.52 SMA 127.99 ECC .23631 INC 2.9933 V1 29.503
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.850 GAP 10.13 AZP 90.03 TAL 147.74 TAP 58.26 RCA 97.74 APO 158.23 V2 35.257
 RC 135.709 GL -15.99 GP -8.70 ZAL 41.36 ZAP 161.24 ETS 333.89 ZAE 122.70 ETE 186.30 ZAC 111.84 ETC 12.59 CLP-163.32

PLANETOCENTRIC CONIC

C3 25.271 VHL 5.027 OLA -18.23 RAL 181.75 RAD 6568.0 VEL 12.110 PTH 2.17 VHP 7.002 DPA 4.66 RAP 154.89 ECC 1.4159
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 53 34 1665.15 -3.56 9.12 46.04 118.11 11 21 19 1065.1 .23 2.49
 90.00 17 51 2 5521.14 28.32 256.41 54.10 90.01 19 23 3 4921.1 28.02 247.76
 100.00 12 4 2 1437.72 -4.91 351.66 45.29 119.52 12 28 0 837.7 -.94 345.12
 100.00 19 23 14 5223.80 29.86 234.52 54.08 88.65 20 50 18 4623.8 29.36 225.75
 110.00 12 48 34 1298.22 -8.33 338.98 43.20 123.27 13 10 12 698.2 -3.89 332.70
 110.00 20 55 12 4936.08 33.86 212.41 53.82 85.00 22 17 28 4336.1 32.80 203.33

DIFFERENTIAL CORRECTIONS

TDE-3.0221 TRA 4.2736 TC3-2.4422 BAU .8269
 ROE .1711 RRA .3395 RC3 -.1600 FAU .02480
 FDE-2.0854 FRA 2.9404 FC3 -.8495 BSP 21450
 BDE 3.0270 BRA 4.2871 BC3 2.4475 FSP -1295

MID-COURSE EXECUTION ACCURACY

SGT 6647.7 SGR 479.5 SG3 374.9
 RRT .5687 RRF .5342 RTF .9838
 SGB 6665.0 R23 -.0331 R13 .9837
 SG1 6653.3 SG2 394.1 THA 2.36

ORBIT DETERMINATION ACCURACY

ST 3773.2 SR 230.2 SS 1574.3
 CRT -.5564 CRS .5576 CST-1.0000
 LSA 4090.4 MSA 191.2 SSA 14.0
 EL1 3775.4 EL2 191.2 ALF 178.05

LAUNCH DATE MAY 9 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 597.017

RL 151.02 LAL -.00 LOL 227.70 VL 26.821 GAL 9.46 AZL 93.09 MCA 273.77 SMA 127.83 ECC .24297 INC 3.0857 V1 29.503
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.831 GAP 10.72 AZP 90.20 TAL 146.89 TAP 60.66 RCA 96.77 APO 158.89 V2 35.255
 RC 137.871 GL -15.74 GP -8.32 ZAL 40.31 ZAP 162.71 ETS 332.55 ZAE 122.20 ETE 186.00 ZAC 110.04 ETC 12.75 CLP-164.79

PLANETOCENTRIC CONIC

C3 27.545 VHL 5.248 OLA -18.43 RAL 182.83 RAD 6568.1 VEL 12.203 PTH 2.19 VHP 7.323 DPA 4.40 RAP 156.68 ECC 1.4533
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 59 56 1678.73 -3.99 9.88 48.46 118.06 11 27 55 1078.7 -.21 3.25
 90.00 17 53 17 5550.27 28.30 258.55 56.92 91.08 19 25 47 4950.3 28.15 249.88
 100.00 12 10 13 1451.94 -5.39 352.44 47.69 119.45 12 34 25 851.9 -1.43 345.90
 100.00 19 25 41 5252.30 29.89 236.64 56.93 89.76 20 53 14 4652.3 29.54 227.85
 110.00 12 54 22 1313.64 -8.90 339.80 45.54 123.14 13 16 15 713.6 -4.48 333.51
 110.00 20 58 2 4963.36 34.00 214.53 56.76 86.25 22 20 46 4363.4 33.11 205.40

DIFFERENTIAL CORRECTIONS

TDE-3.1674 TRA 4.5467 TC3-2.2413 BAU .8269
 ROE .1992 RRA .3285 RC3 -.1372 FAU .02168
 FDE-2.0176 FRA 2.8912 FC3 -.6813 BSP 21685
 BDE 3.1736 BRA 4.5586 BC3 2.2455 FSP -1213

MID-COURSE EXECUTION ACCURACY

SGT 6698.0 SGR 459.3 SG3 350.2
 RRT .5087 RRF .4736 RTF .9836
 SGB 6713.8 R23 -.0330 R13 .9835
 SG1 6702.1 SG2 395.2 THA 2.00

ORBIT DETERMINATION ACCURACY

ST 3798.0 SR 245.3 SS 1530.1
 CRT -.6157 CRS .6164 CST-1.0000
 LSA 4097.4 MSA 193.1 SSA 13.7
 EL1 3801.0 EL2 193.1 ALF 177.72

LAUNCH DATE MAY 9 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 602.581

RL 151.02 LAL -.00 LOL 227.70 VL 26.797 GAL 10.00 AZL 93.18 MCA 277.01 SMA 127.67 ECC .25018 INC 3.1788 V1 29.503
 RP 107.50 LAP 3.16 LOP 144.72 VP 37.811 GAP 11.33 AZP 90.39 TAL 146.04 TAP 63.06 RCA 95.73 APO 159.61 V2 35.253
 RC 140.023 GL -15.47 GP -7.97 ZAL 39.29 ZAP 164.12 ETS 330.98 ZAE 121.73 ETE 185.72 ZAC 108.21 ETC 12.89 CLP-166.22

PLANETOCENTRIC CONIC

C3 30.107 VHL 5.487 OLA -18.58 RAL 183.90 RAD 6568.2 VEL 12.308 PTH 2.22 VHP 7.663 DPA 4.08 RAP 158.48 ECC 1.4955
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 5 52 1694.75 -4.50 10.78 50.91 117.99 11 34 7 1094.8 -.73 4.14
 90.00 17 55 55 5578.70 28.24 260.62 59.77 92.12 19 28 54 4978.7 28.24 251.96
 100.00 12 16 0 1468.47 -5.94 353.36 50.12 119.35 12 40 28 868.5 -1.99 346.81
 100.00 19 28 29 5280.22 29.88 238.72 59.82 90.85 20 56 29 4680.2 29.68 229.92
 110.00 12 59 49 1331.15 -9.55 340.74 47.92 122.98 13 22 0 731.2 -5.14 334.43
 110.00 21 1 8 4990.30 34.10 216.62 59.75 87.48 22 24 19 4390.3 33.38 207.46

DIFFERENTIAL CORRECTIONS

TDE-3.3170 TRA 4.8378 TC3-2.0441 BAU .8241
 ROE .2275 RRA .3170 RC3 -.1170 FAU .01876
 FDE-1.9544 FRA 2.8489 FC3 -.5394 BSP 21897
 BDE 3.3248 BRA 4.8482 BC3 2.0475 FSP -1136

MID-COURSE EXECUTION ACCURACY

SGT 6740.3 SGR 441.5 SG3 327.5
 RRT .4457 RRF .4106 RTF .9834
 SGB 6754.8 R23 -.0326 R13 .9833
 SG1 6743.2 SG2 395.0 THA 1.68

ORBIT DETERMINATION ACCURACY

ST 3815.4 SR 259.7 SS 1488.1
 CRT -.6612 CRS .6616 CST-1.0000
 LSA 4098.9 MSA 194.6 SSA 13.5
 EL1 3819.3 EL2 194.6 ALF 177.42

LAUNCH DATE MAY 9 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 608.062

RL 151.02 LAL -.00 LOL 227.70 VL 26.773 GAL 10.58 AZL 93.27 MCA 280.26 SMA 127.51 ECC .25799 INC 3.2732 V1 29.503
 RP 107.51 LAP 3.22 LOP 147.97 VP 37.791 GAP 11.97 AZP 90.58 TAL 145.20 TAP 65.46 RCA 94.62 APO 160.41 V2 35.249
 RC 142.165 GL -15.16 GP -7.65 ZAL 38.28 ZAP 165.48 ETS 329.12 ZAE 121.28 ETE 185.47 ZAC 106.35 ETC 13.01 CLP-167.62

PLANETOCENTRIC CONIC

C3 33.003 VHL 5.745 OLA -18.70 RAL 184.96 RAD 6568.3 VEL 12.425 PTH 2.25 VHP 8.024 DPA 3.70 RAP 160.31 ECC 1.5431
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 11 21 1713.14 -5.09 11.81 53.39 117.89 11 39 54 1113.1 -1.32 5.17
 90.00 17 58 53 5606.50 28.16 262.65 62.66 93.13 19 32 20 5006.5 28.29 253.99
 100.00 12 21 21 1487.25 -6.57 354.40 52.59 119.23 12 46 8 887.2 -2.62 347.84
 100.00 19 31 34 5307.62 29.84 240.75 62.75 91.92 21 0 2 4707.6 29.78 231.95
 110.00 13 4 56 1350.67 -10.27 341.79 50.33 122.78 13 27 27 750.7 -5.88 335.46
 110.00 21 4 28 5016.96 34.16 218.70 62.77 88.71 22 28 5 4417.0 33.61 209.51

DIFFERENTIAL CORRECTIONS

TDE-3.4710 TRA 5.1494 TC3-1.8510 BAU .8179
 ROE .2563 RRA .3046 RC3 -.0991 FAU .01601
 FDE-1.8954 FRA 2.8139 FC3 -.4199 BSP 22070
 BDE 3.4804 BRA 5.1584 BC3 1.8537 FSP -1064

MID-COURSE EXECUTION ACCURACY

SGT 6775.4 SGR 425.6 SG3 306.5
 RRT .3801 RRF .3456 RTF .9833
 SGB 6788.7 R23 -.0317 R13 .9833
 SG1 6777.3 SG2 393.6 THA 1.37

ORBIT DETERMINATION ACCURACY

ST 3825.4 SR 273.2 SS 1448.3
 CRT -.6969 CRS .6969 CST-1.0000
 LSA 4094.8 MSA 195.7 SSA 13.2
 EL1 3830.2 EL2 195.7 ALF 177.14

LAUNCH DATE MAY 10 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 19 1967

HELIOCENTRIC CONIC

DISTANCE 133.297

RL 151.06 LAL -.00 LOL 228.67 VL 16.688 GAL 20.59 AZL 91.18 MCA 40.90 SMA 89.75 ECC .72974 INC 1.1825 V1 29.496
 RP 108.76 LAP -.77 LOP 269.56 VP 31.014 GAP -45.61 A2P 90.89 TAL 171.78 TAP 212.68 RCA 24.26 APO 155.25 V2 34.844
 RC 72.433 GL -1.24 GP 2.02 ZAL 68.50 ZAP 30.60 ETS 185.87 ZAE 142.59 ETE 172.34 ZAC 141.96 ETC 28.82 CLP 30.54

PLANETOCENTRIC CONIC

C3 222.522 VML 14.917 DLA 6.61 RAL 161.22 RAD 6571.3 VEL 18.543 PTH 3.05 VMP 25.928 DPA 24.42 RAP 123.18 ECC 4.6622
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 7 57 2955.46 -28.18 93.19 64.89 87.12 6 57 13 2355.5 -28.28 84.52
 90.00 19 45 3 5186.98 25.95 232.34 58.20 78.24 21 11 30 4587.0 24.06 224.18
 100.00 7 32 27 2682.94 -29.78 73.23 64.98 87.32 8 17 10 2082.9 -29.84 64.43
 100.00 21 3 15 4934.73 27.51 213.42 57.82 77.83 22 25 29 4334.7 25.56 205.16
 110.00 8 47 54 2446.83 -34.12 55.52 65.19 87.87 9 28 40 1846.8 -34.04 46.28
 110.00 22 4 17 4743.61 31.75 197.81 56.72 76.62 23 23 21 4143.6 29.59 189.27

DIFFERENTIAL CORRECTIONS

TOE .7184 TRA-1.7805 TC3 -.1075 BAU .3218
 RDE-1.0506 RRA -.5469 RC3 .0119 FAU .01288
 FDE -.3204 FRA .6448 FC3 -.0501 BSP 2123
 BDE 1.2728 BRA 1.8626 BC3 .1082 FSP -57

MID-COURSE EXECUTION ACCURACY

SGT 808.1 SGR 457.0 SG3 27.3
 RRT .0619 RRF -.0580 RTF -.6181
 SGB 928.3 R23 -.0018 R13 -.6184
 SG1 808.8 SG2 455.7 TMA 2.94

ORBIT DETERMINATION ACCURACY

ST 344.8 SR 408.5 SS 322.8
 CRT -.6976 CRS -.7631 CST .9936
 LSA 581.3 MSA 227.8 SSA 13.9
 EL1 494.0 EL2 204.3 ALF 128.14

LAUNCH DATE MAY 10 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 21 1967

HELIOCENTRIC CONIC

DISTANCE 139.030

RL 151.06 LAL -.00 LOL 228.67 VL 17.423 GAL 19.73 AZL 91.37 MCA 44.07 SMA 91.30 ECC .70250 INC 1.3742 V1 29.496
 RP 108.79 LAP -.96 LOP 272.73 VP 31.406 GAP -45.52 A2P 90.99 TAL 171.01 TAP 215.08 RCA 27.16 APO 155.44 V2 34.835
 RC 70.227 GL -1.59 GP 2.07 ZAL 67.30 ZAP 29.09 ETS 186.12 ZAE 143.01 ETE 171.53 ZAC 140.45 ETC 27.86 CLP 29.02

PLANETOCENTRIC CONIC

C3 201.756 VML 14.204 DLA 5.83 RAL 162.21 RAD 6571.1 VEL 17.974 PTH 3.00 VMP 24.918 DPA 24.17 RAP 124.97 ECC 4.3204
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 17 50 2916.26 -28.28 90.32 64.33 88.55 7 6 26 2316.3 -28.18 81.66
 90.00 19 43 3 5196.88 26.08 233.03 58.43 78.56 21 9 39 4596.9 24.24 224.85
 100.00 7 41 56 2644.99 -29.87 70.42 64.38 88.80 8 26 1 2045.0 -29.72 61.61
 100.00 21 1 37 4943.38 27.64 214.03 58.07 78.13 22 24 1 4343.4 25.72 205.76
 110.00 8 56 30 2411.62 -34.18 52.77 64.45 89.50 9 36 42 1811.6 -33.87 43.54
 110.00 22 3 33 4749.52 31.84 198.25 56.99 76.86 23 22 42 4149.5 29.71 189.69

DIFFERENTIAL CORRECTIONS

TOE .7187 TRA-1.7896 TC3 -.1146 BAU .3114
 RDE-1.0088 RRA -.5339 RC3 .0140 FAU .01301
 FDE -.3359 FRA .6679 FC3 -.0558 BSP 2179
 BDE 1.2387 BRA 1.8676 BC3 .1154 FSP -62

MID-COURSE EXECUTION ACCURACY

SGT 846.5 SGR 462.6 SG3 29.5
 RRT .0669 RRF -.0619 RTF -.6365
 SGB 964.7 R23 -.0013 R13 -.6368
 SG1 847.3 SG2 461.2 TMA 2.98

ORBIT DETERMINATION ACCURACY

ST 362.7 SR 412.1 SS 340.2
 CRT -.6948 CRS -.7654 CST .9930
 LSA 601.8 MSA 234.0 SSA 14.2
 EL1 506.2 EL2 212.3 ALF 129.78

LAUNCH DATE MAY 10 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 23 1967

HELIOCENTRIC CONIC

DISTANCE 144.860

RL 151.06 LAL -.00 LOL 228.67 VL 18.111 GAL 18.91 AZL 91.55 MCA 47.24 SMA 92.86 ECC .67562 INC 1.5451 V1 29.496
 RP 108.81 LAP -1.13 LOP 275.89 VP 31.784 GAP -41.55 A2P 91.05 TAL 170.25 TAP 217.48 RCA 30.12 APO 155.60 V2 34.827
 RC 68.060 GL -1.96 GP 2.14 ZAL 66.16 ZAP 27.60 ETS 186.41 ZAE 143.51 ETE 170.64 ZAC 138.90 ETC 26.96 CLP 27.52

PLANETOCENTRIC CONIC

C3 183.016 VML 13.528 DLA 5.05 RAL 163.13 RAD 6571.0 VEL 17.445 PTH 2.96 VMP 23.944 DPA 23.91 RAP 126.78 ECC 4.0120
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 27 24 2876.38 -28.32 87.41 63.65 90.02 7 15 21 2276.4 -28.01 78.75
 90.00 19 40 49 5205.91 26.20 233.67 58.54 78.86 21 7 35 4605.9 24.40 225.46
 100.00 7 51 8 2606.33 -29.89 67.54 63.65 90.32 8 34 34 2006.3 -29.53 58.76
 100.00 20 59 47 4951.19 27.74 214.59 58.19 78.40 22 22 18 4351.2 25.86 206.29
 110.00 9 4 50 2375.67 -34.17 49.96 63.58 91.16 9 44 25 1775.7 -33.63 40.76
 110.00 22 2 34 4754.62 31.92 198.62 57.15 77.07 23 21 49 4154.6 29.81 190.05

DIFFERENTIAL CORRECTIONS

TOE .7235 TRA-1.7937 TC3 -.1207 BAU .2980
 RDE -.9673 RRA -.5201 RC3 .0163 FAU .01318
 FDE -.3523 FRA .6907 FC3 -.0624 BSP 2354
 BDE 1.2079 BRA 1.8675 BC3 .1218 FSP -69

MID-COURSE EXECUTION ACCURACY

SGT 884.4 SGR 467.6 SG3 32.0
 RRT .0693 RRF -.0651 RTF -.6556
 SGB 1000.4 R23 -.0022 R13 -.6559
 SG1 885.2 SG2 466.1 TMA 2.91

ORBIT DETERMINATION ACCURACY

ST 392.5 SR 415.0 SS 358.6
 CRT -.6952 CRS -.7683 CST .9927
 LSA 624.3 MSA 239.1 SSA 14.4
 EL1 520.0 EL2 219.5 ALF 131.65

LAUNCH DATE MAY 10 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 25 1967

HELIOCENTRIC CONIC

DISTANCE 150.782

RL 151.06 LAL -.00 LOL 228.67 VL 18.755 GAL 18.11 AZL 91.70 MCA 50.40 SMA 94.43 ECC .64921 INC 1.6993 V1 29.496
 RP 108.83 LAP -1.31 LOP 279.06 VP 32.148 GAP -39.68 A2P 91.08 TAL 169.50 TAP 219.90 RCA 33.13 APO 155.74 V2 34.820
 RC 65.936 GL -2.35 GP 2.20 ZAL 65.08 ZAP 26.13 ETS 186.74 ZAE 144.12 ETE 169.66 ZAC 137.34 ETC 26.11 CLP 26.05

PLANETOCENTRIC CONIC

C3 166.090 VML 12.888 DLA 4.28 RAL 163.99 RAD 6570.8 VEL 16.953 PTH 2.92 VMP 23.005 DPA 23.63 RAP 128.61 ECC 3.7334
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 36 42 2835.76 -28.28 84.44 62.84 91.50 7 23 58 2235.8 -27.77 75.81
 90.00 19 38 22 5214.12 26.31 234.24 58.54 79.13 21 5 16 4614.1 24.54 226.02
 100.00 8 0 3 2566.93 -29.84 64.61 62.79 91.86 8 42 50 1966.9 -29.26 55.86
 100.00 20 57 42 4958.19 27.84 215.09 58.20 78.65 22 20 20 4358.2 25.99 206.77
 110.00 9 12 54 2338.94 -34.08 47.10 62.58 92.85 9 51 53 1738.9 -33.31 37.94
 110.00 22 1 21 4758.93 31.99 198.94 57.18 77.25 23 20 40 4158.9 29.90 190.35

DIFFERENTIAL CORRECTIONS

TOE .7255 TRA-1.7999 TC3 -.1272 BAU .2857
 RDE -.9262 RRA -.5056 RC3 .0190 FAU .01337
 FDE -.3689 FRA .7141 FC3 -.0697 BSP 2473
 BDE 1.1766 BRA 1.8695 BC3 .1286 FSP -75

MID-COURSE EXECUTION ACCURACY

SGT 924.9 SGR 472.0 SG3 34.6
 RRT .0733 RRF -.0690 RTF -.6733
 SGB 1038.4 R23 -.0024 R13 -.6736
 SG1 925.8 SG2 470.3 TMA 2.89

ORBIT DETERMINATION ACCURACY

ST 402.6 SR 417.3 SS 377.4
 CRT -.6938 CRS -.7707 CST .9921
 LSA 647.1 MSA 244.2 SSA 14.6
 EL1 533.7 EL2 226.7 ALF 133.52

LAUNCH DATE MAY 10 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 27 1967

HELIOCENTRIC CONIC

DISTANCE 156.790

RL 151.06 LAL -.00 LOL 228.67 VL 19.358 GAL 17.35 AZL 91.84 MCA 53.57 SMA 96.00 ECC .62337 INC 1.8400 V1 29.496
 RP 108.85 LAP -1.48 LOP 282.22 VP 32.496 GAP -37.90 AZP 91.09 TAL 168.77 TAP 222.34 RCA 36.16 APO 155.84 V2 34.813
 RC 63.861 GL -2.77 GP 2.28 ZAL 64.06 ZAP 24.69 ETS 187.13 ZAE 144.83 ETE 168.57 ZAC 135.74 ETC 25.32 CLP 24.59

PLANETOCENTRIC CONIC

C3 150.785 VHL 12.279 DLA 3.49 RAL 164.78 RAD 6570.6 VEL 16.496 PTH 2.87 VHP 22.098 OPA 23.33 RAP 130.44 ECC 3.4815
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 45 44 2794.38 -28.17 81.41 61.91 93.02 7 32 18 2194.4 -27.45 72.82
 90.00 19 35 40 5221.55 26.40 234.77 58.42 79.38 21 2 42 4621.5 24.67 226.53
 100.00 8 8 42 2526.74 -29.71 61.63 61.81 93.42 8 50 49 1926.7 -28.92 32.92
 100.00 20 55 23 4964.42 27.92 215.53 58.09 78.87 22 18 7 4364.4 26.10 207.20
 110.00 9 20 42 2301.42 -33.91 44.38 61.47 94.57 9 59 3 1701.4 -32.91 35.09
 110.00 21 59 53 4762.50 32.04 199.21 57.09 77.40 23 19 15 4162.5 29.98 190.61

DIFFERENTIAL CORRECTIONS

TDE .7294 TRA-1.8036 TC3 -.1331 BAU .2719
 RDE -.8855 RRA -.4907 RC3 .0221 FAU .01358
 FDE -.3863 FRA .7376 FC3 -.0780 BSP 2648
 BDE 1.1472 BRA 1.8691 BC3 .1349 FSP -83

MID-COURSE EXECUTION ACCURACY

SGT 966.2 SGR 475.7 SG3 37.5
 RRT .0763 RRF -.0727 RTF -.6909
 SGB 1076.9 R23 -.0033 R13 -.6912
 SG1 967.0 SG2 473.9 TMA 2.83

ORBIT DETERMINATION ACCURACY

ST 424.1 SR 418.9 SS 396.9
 CRT -.6936 CRS -.7734 CST .9917
 LSA 671.5 MSA 248.5 SSA 14.8
 EL1 548.6 EL2 233.3 ALF 135.52

LAUNCH DATE MAY 10 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 29 1967

HELIOCENTRIC CONIC

DISTANCE 162.880

RL 151.06 LAL -.00 LOL 228.67 VL 19.922 GAL 16.61 AZL 91.97 MCA 56.73 SMA 97.56 ECC .59816 INC 1.9695 V1 29.496
 RP 108.87 LAP -1.65 LOP 285.38 VP 32.829 GAP -36.21 AZP 91.08 TAL 168.06 TAP 224.79 RCA 39.20 APO 155.92 V2 34.807
 RC 61.839 GL -3.21 GP 2.36 ZAL 63.10 ZAP 23.26 ETS 187.58 ZAE 145.64 ETE 167.36 ZAC 134.12 ETC 24.58 CLP 23.15

PLANETOCENTRIC CONIC

C3 136.939 VHL 11.702 DLA 2.71 RAL 165.51 RAD 6570.5 VEL 16.071 PTH 2.83 VHP 21.223 OPA 23.01 RAP 132.28 ECC 3.2537
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 34 30 2752.20 -27.98 78.34 60.86 94.54 7 40 22 2152.2 -27.06 69.80
 90.00 19 32 43 5228.27 26.49 235.24 58.18 79.60 20 59 51 4628.3 24.78 226.99
 100.00 8 17 6 2485.75 -29.51 58.60 60.71 95.00 8 58 32 1885.8 -28.50 49.94
 100.00 20 52 48 4969.94 27.99 215.93 57.86 79.06 22 15 38 4369.9 26.20 207.59
 110.00 9 28 15 2263.08 -33.66 41.22 60.23 96.31 10 5 58 1663.1 -32.43 32.20
 110.00 21 58 9 4765.37 32.08 199.42 56.88 77.52 23 17 34 4165.4 30.03 190.81

DIFFERENTIAL CORRECTIONS

TDE .7332 TRA-1.8063 TC3 -.1384 BAU .2577
 RDE -.8453 RRA -.4753 RC3 .0255 FAU .01382
 FDE -.4043 FRA .7614 FC3 -.0874 BSP 2826
 BDE 1.1190 BRA 1.8677 BC3 .1408 FSP -91

MID-COURSE EXECUTION ACCURACY

SGT 1008.8 SGR 478.7 SG3 40.6
 RRT .0794 RRF -.0766 RTF -.7080
 SGB 1116.6 R23 -.0042 R13 -.7083
 SG1 1009.8 SG2 476.7 TMA 2.78

ORBIT DETERMINATION ACCURACY

ST 446.7 SR 419.8 SS 417.2
 CRT -.6936 CRS -.7759 CST .9913
 LSA 697.1 MSA 252.3 SSA 15.0
 EL1 564.3 EL2 239.4 ALF 137.56

LAUNCH DATE MAY 10 1967

FLIGHT TIME 82.00

ARRIVAL DATE JUL 31 1967

HELIOCENTRIC CONIC

DISTANCE 169.044

RL 151.06 LAL -.00 LOL 228.67 VL 20.450 GAL 15.90 AZL 92.09 MCA 59.90 SMA 99.12 ECC .57365 INC 2.0900 V1 29.496
 RP 108.89 LAP -1.81 LOP 288.55 VP 33.146 GAP -34.60 AZP 91.05 TAL 167.37 TAP 227.26 RCA 42.26 APO 155.97 V2 34.802
 RC 59.876 GL -3.69 GP 2.44 ZAL 62.20 ZAP 21.85 ETS 188.12 ZAE 146.55 ETE 166.00 ZAC 132.49 ETC 23.88 CLP 21.72

PLANETOCENTRIC CONIC

C3 124.406 VHL 11.154 DLA 1.92 RAL 166.18 RAD 6570.3 VEL 15.676 PTH 2.79 VHP 20.378 OPA 22.68 RAP 134.13 ECC 3.0474
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 3 1 2709.19 -27.71 75.23 59.70 96.08 7 48 10 2109.2 -26.58 66.74
 90.00 19 29 29 5234.35 26.56 235.67 57.82 79.80 20 56 43 4634.3 24.88 227.41
 100.00 8 25 15 2443.93 -29.22 55.53 59.51 96.60 9 5 59 1843.9 -28.00 46.94
 100.00 20 49 56 4974.83 28.06 216.28 57.51 79.24 22 12 51 4374.8 26.28 207.92
 110.00 9 35 33 2223.92 -33.33 38.21 58.89 98.06 10 12 37 1623.9 -31.86 29.29
 110.00 21 56 8 4767.61 32.12 199.59 56.55 77.61 23 15 35 4167.6 30.08 190.97

DIFFERENTIAL CORRECTIONS

TDE .7344 TRA-1.8106 TC3 -.1441 BAU .2446
 RDE -.8057 RRA -.4595 RC3 .0294 FAU .01407
 FDE -.4228 FRA .7859 FC3 -.0979 BSP 2951
 BDE 1.0902 BRA 1.8680 BC3 .1471 FSP -100

MID-COURSE EXECUTION ACCURACY

SGT 1054.4 SGR 481.0 SG3 43.9
 RRT .0840 RRF -.0811 RTF -.7237
 SGB 1158.9 R23 -.0045 R13 -.7239
 SG1 1055.4 SG2 478.9 TMA 2.77

ORBIT DETERMINATION ACCURACY

ST 469.4 SR 419.9 SS 438.1
 CRT -.6919 CRS -.7781 CST .9907
 LSA 723.1 MSA 256.0 SSA 15.2
 EL1 580.1 EL2 245.4 ALF 139.59

LAUNCH DATE MAY 10 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 2 1967

HELIOCENTRIC CONIC

DISTANCE 175.278

RL 151.06 LAL -.00 LOL 228.67 VL 20.944 GAL 15.22 AZL 92.20 MCA 63.06 SMA 100.65 ECC .54989 INC 2.2029 V1 29.496
 RP 108.90 LAP -1.96 LOP 291.71 VP 33.448 GAP -33.06 AZP 91.00 TAL 166.70 TAP 229.76 RCA 45.31 APO 156.00 V2 34.797
 RC 57.979 GL -4.19 GP 2.54 ZAL 61.36 ZAP 20.45 ETS 188.75 ZAE 147.57 ETE 164.48 ZAC 130.83 ETC 23.23 CLP 20.30

PLANETOCENTRIC CONIC

C3 113.056 VHL 10.633 DLA 1.12 RAL 166.77 RAD 6570.1 VEL 15.310 PTH 2.74 VHP 19.560 OPA 22.34 RAP 135.99 ECC 2.8606
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 11 19 2665.32 -27.35 72.07 58.43 97.63 7 55 44 2065.3 -26.01 63.65
 90.00 19 25 57 5239.87 26.63 236.06 57.35 79.99 20 53 17 4639.9 24.97 227.78
 100.00 8 33 10 2401.27 -28.85 52.41 58.20 98.20 9 13 12 1801.3 -27.41 43.90
 100.00 20 46 47 4979.16 28.11 216.59 57.05 79.39 22 9 46 4379.2 26.36 208.22
 110.00 9 42 37 2183.91 -32.91 35.16 57.45 99.82 10 19 1 1583.9 -31.20 26.35
 110.00 21 53 50 4769.28 32.14 199.71 56.10 77.68 23 13 19 4169.3 30.11 191.09

DIFFERENTIAL CORRECTIONS

TDE .7377 TRA-1.8116 TC3 -.1485 BAU .2301
 RDE -.7666 RRA -.4435 RC3 .0337 FAU .01437
 FDE -.4425 FRA .8106 FC3 -.1100 BSP 3136
 BDE 1.0639 BRA 1.8651 BC3 .1523 FSP -110

MID-COURSE EXECUTION ACCURACY

SGT 1100.5 SGR 482.6 SG3 47.5
 RRT .0877 RRF -.0856 RTF -.7393
 SGB 1201.7 R23 -.0055 R13 -.7396
 SG1 1101.5 SG2 480.3 TMA 2.72

ORBIT DETERMINATION ACCURACY

ST 493.9 SR 419.3 SS 460.0
 CRT -.6916 CRS -.7806 CST .9902
 LSA 751.1 MSA 258.7 SSA 15.3
 EL1 597.5 EL2 250.3 ALF 141.69

LAUNCH DATE MAY 10 1967		FLIGHT TIME 86.00		ARRIVAL DATE AUG 4 1967	
HELIOCENTRIC CONIC					
RL	151.06 LAL	-0.00 LOL	228.67 VL	21.407 GAL	14.56 AZL
RP	108.92 LAP	-2.11 LOP	294.87 VP	33.736 GAP	-31.59 AZP
RC	56.154 GL	-4.72 GP	2.64 ZAL	60.58 ZAP	19.07 ETS
PLANETOCENTRIC CONIC					
C3	102.777 VHL	10.138 DLA	.32 RAL	167.30 RAD	6570.0 VEL
LNCH	AZMTH	LNCH TIME	L-I TIME	INJ LAT	INJ LONG
90.00	7 19 22	2620.60	-26.91	68.87	57.07
90.00	19 22 7	5244.95	26.69	236.42	56.77
100.00	8 40 52	2357.74	-28.38	49.26	56.79
100.00	20 43 18	4983.04	28.16	216.87	56.47
110.00	9 49 27	2143.07	-32.39	32.09	55.92
110.00	21 51 13	4770.48	32.16	199.80	55.54
DIFFERENTIAL CORRECTIONS					
TDE	.7408 TRA-1.8114 TC3	-.1520 BAU	.2155		
ROE	-.7280 RRA	-.4274 RC3	.0386 FAU	.01470	
FDE	-.4630 FRA	.8358 FC3	-.1238 BSP	3327	
BDE	1.0387 BRA	1.8611 BC3	.1568 FSP	-121	
MID-COURSE EXECUTION ACCURACY					
SGT	1148.2 SGR	483.5 SG3	51.5		
RRT	.0917 RRF	-.0905 RTF	-.7543		
SGB	1245.9 R23	-.0066 R13	-.7546		
SGI	1149.3 SG2	481.0 TMA	2.68		
ORBIT DETERMINATION ACCURACY					
ST	519.3 SR	417.8 SS	482.8		
CRT	-.6915 CRS	-.7830 CST	.9898		
LSA	780.4 MSA	260.8 SSA	15.5		
EL1	616.1 EL2	254.4 ALF	143.80		
LAUNCH DATE MAY 10 1967		FLIGHT TIME 88.00		ARRIVAL DATE AUG 6 1967	
HELIOCENTRIC CONIC					
RL	151.06 LAL	-0.00 LOL	228.67 VL	21.840 GAL	13.92 AZL
RP	108.93 LAP	-2.26 LOP	298.03 VP	34.009 GAP	-30.19 AZP
RC	54.407 GL	-5.29 GP	2.75 ZAL	59.87 ZAP	17.70 ETS
PLANETOCENTRIC CONIC					
C3	93.468 VHL	9.668 DLA	-.50 RAL	167.76 RAD	6569.8 VEL
LNCH	AZMTH	LNCH TIME	L-I TIME	INJ LAT	INJ LONG
90.00	7 27 14	2575.00	-26.37	65.64	55.62
90.00	19 17 56	5249.68	26.74	236.76	56.08
100.00	8 48 21	2313.36	-27.83	46.08	55.30
100.00	20 39 30	4986.56	28.20	217.12	55.79
110.00	9 56 4	2101.39	-31.78	28.99	54.30
110.00	21 48 17	4771.29	-32.17	199.86	54.87
DIFFERENTIAL CORRECTIONS					
TDE	.7442 TRA-1.8097 TC3	-.1545 BAU	.2007		
ROE	-.6901 RRA	-.4112 RC3	.0440 FAU	.01506	
FDE	-.4848 FRA	.8616 FC3	-.1395 BSP	3525	
BDE	1.0149 BRA	1.8558 BC3	.1606 FSP	-133	
MID-COURSE EXECUTION ACCURACY					
SGT	1197.5 SGR	483.6 SG3	55.7		
RRT	.0960 RRF	-.0957 RTF	-.7687		
SGB	1291.5 R23	-.0078 R13	-.7690		
SGI	1198.6 SG2	480.9 TMA	2.65		
ORBIT DETERMINATION ACCURACY					
ST	546.0 SR	415.5 SS	506.7		
CRT	-.6916 CRS	-.7855 CST	.9893		
LSA	811.5 MSA	262.2 SSA	15.6		
EL1	635.9 EL2	257.7 ALF	145.90		
LAUNCH DATE MAY 10 1967		FLIGHT TIME 90.00		ARRIVAL DATE AUG 8 1967	
HELIOCENTRIC CONIC					
RL	151.06 LAL	-0.00 LOL	228.67 VL	22.246 GAL	13.31 AZL
RP	108.93 LAP	-2.39 LOP	301.19 VP	34.268 GAP	-28.84 AZP
RC	52.748 GL	-5.90 GP	2.88 ZAL	59.22 ZAP	16.34 ETS
PLANETOCENTRIC CONIC					
C3	85.040 VHL	9.222 DLA	-1.32 RAL	168.15 RAD	6569.7 VEL
LNCH	AZMTH	LNCH TIME	L-I TIME	INJ LAT	INJ LONG
90.00	7 34 53	2528.52	-25.74	62.38	54.09
90.00	19 13 24	5254.22	26.79	237.08	55.28
100.00	8 55 37	2268.11	-27.18	42.87	53.73
100.00	20 35 21	4989.87	28.24	217.36	55.00
110.00	10 2 28	2058.88	-31.07	25.88	52.62
110.00	21 45 0	4771.86	32.18	199.90	54.09
DIFFERENTIAL CORRECTIONS					
TDE	.7450 TRA-1.8091 TC3	-.1569 BAU	.1872		
ROE	-.6529 RRA	-.3950 RC3	.0500 FAU	.01545	
FDE	-.5074 FRA	.8884 FC3	-.1573 BSP	3666	
BDE	.9906 BRA	1.8517 BC3	.1647 FSP	-145	
MID-COURSE EXECUTION ACCURACY					
SGT	1249.8 SGR	483.0 SG3	60.4		
RRT	.1020 RRF	-.1019 RTF	-.7817		
SGB	1339.9 R23	-.0084 R13	-.7820		
SGI	1251.0 SG2	480.1 TMA	2.65		
ORBIT DETERMINATION ACCURACY					
ST	572.8 SR	412.3 SS	531.4		
CRT	-.6900 CRS	-.7875 CST	.9886		
LSA	843.1 MSA	263.5 SSA	15.8		
EL1	655.8 EL2	260.6 ALF	147.94		
LAUNCH DATE MAY 10 1967		FLIGHT TIME 92.00		ARRIVAL DATE AUG 10 1967	
HELIOCENTRIC CONIC					
RL	151.06 LAL	-0.00 LOL	228.67 VL	22.625 GAL	12.71 AZL
RP	108.94 LAP	-2.52 LOP	304.35 VP	34.514 GAP	-27.54 AZP
RC	51.183 GL	-6.54 GP	3.01 ZAL	58.65 ZAP	15.00 ETS
PLANETOCENTRIC CONIC					
C3	77.409 VHL	8.798 DLA	-2.15 RAL	168.47 RAD	6569.5 VEL
LNCH	AZMTH	LNCH TIME	L-I TIME	INJ LAT	INJ LONG
90.00	7 42 22	2481.17	-25.02	59.10	52.49
90.00	19 8 28	5258.71	26.84	237.40	54.38
100.00	9 2 43	2222.01	-26.43	39.65	52.09
100.00	20 30 49	4993.10	28.28	217.59	54.11
110.00	10 8 39	2015.58	-30.27	22.76	50.88
110.00	21 41 22	4772.29	32.18	199.94	53.22
DIFFERENTIAL CORRECTIONS					
TDE	.7483 TRA-1.8046 TC3	-.1569 BAU	.1727		
ROE	-.6162 RRA	-.3789 RC3	.0567 FAU	.01589	
FDE	-.5319 FRA	.9155 FC3	-.1777 BSP	3868	
BDE	.9694 BRA	1.8439 BC3	.1669 FSP	-159	
MID-COURSE EXECUTION ACCURACY					
SGT	1302.6 SGR	481.7 SG3	65.4		
RRT	.1073 RRF	-.1084 RTF	-.7947		
SGB	1388.8 R23	-.0099 R13	-.7950		
SGI	1303.8 SG2	478.4 TMA	2.63		
ORBIT DETERMINATION ACCURACY					
ST	601.6 SR	408.1 SS	557.7		
CRT	-.6901 CRS	-.7899 CST	.9881		
LSA	877.4 MSA	263.7 SSA	15.9		
EL1	678.1 EL2	262.0 ALF	149.99		

LAUNCH DATE MAY 10 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 207.316

RL 151.06 LAL -.00 LOL 228.67 VL 22.980 GAL 12.14 AZL 92.69 MCA 78.86 SMA 107.98 ECC .44314 INC 2.6945 V1 29.496
 RP 108.94 LAP -2.64 LOP 307.52 VP 34.747 GAP -26.30 AZP 90.52 TAL 163.80 TAP 242.66 RCA 60.13 APO 155.83 V2 34.784
 RC 49.723 GL -7.23 GP 3.16 ZAL 58.14 ZAP 13.68 ETS 194.59 ZAE 154.15 ETE 152.72 ZAC 122.34 ETC 20.51 CLP 13.31

PLANETOCENTRIC CONIC

C3 70.505 VML 8.397 DLA -3.00 RAL 168.72 RAD 6569.4 VEL 13.851 PTH 2.53 VMP 15.859 DPA 20.47 RAP 145.27 ECC 2.1603
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 49 41 2432.95 -24.20 55.80 50.82 105.17 8 30 14 1832.9 -21.88 47.90
 90.00 19 3 8 5263.30 26.89 237.73 53.39 80.78 20 30 51 4663.3 25.34 229.40
 100.00 9 9 37 2175.07 -25.59 36.41 50.39 105.99 9 45 53 1575.1 -23.15 28.46
 100.00 20 25 52 4996.40 28.32 217.83 53.12 80.01 21 49 9 4396.4 26.65 209.42
 110.00 10 14 39 1971.50 -29.36 19.65 49.08 108.35 10 47 31 1371.5 -26.58 11.57
 110.00 21 37 20 4772.74 32.19 199.97 52.24 77.82 22 56 53 4172.7 30.18 191.33

DIFFERENTIAL CORRECTIONS

TDE .7514 TRA-1.7985 TC3 -.1552 BAU .1583
 RDE -.5803 RRA -.3631 RC3 .0642 FAU .01638
 FDE -.5581 FRA .9435 FC3 -.2012 BSP 4070
 BDE .9494 BRA 1.8348 BC3 .1679 FSP -175

MID-COURSE EXECUTION ACCURACY

SGT 1356.9 SGR 479.5 SG3 71.0
 RRT .1133 RRF -.1156 RTF -.8070
 SGB 1439.1 R23 -.0114 R13 -.8073
 SG1 1358.1 SG2 476.0 TMA 2.62

ORBIT DETERMINATION ACCURACY

ST 631.6 SR 402.9 SS 585.4
 CRT -.6901 CRS -.7922 CST .9876
 LSA 913.5 MSA 263.1 SSA 16.1
 EL1 701.7 EL2 262.5 ALF 151.98

LAUNCH DATE MAY 10 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 213.862

RL 151.06 LAL -.00 LOL 228.67 VL 23.312 GAL 11.59 AZL 92.78 MCA 82.02 SMA 109.34 ECC .42430 INC 2.7841 V1 29.496
 RP 108.94 LAP -2.76 LOP 310.68 VP 34.967 GAP -25.11 AZP 90.39 TAL 163.32 TAP 245.34 RCA 62.95 APO 155.74 V2 34.784
 RC 48.377 GL -7.95 GP 3.32 ZAL 57.70 ZAP 12.37 ETS 196.73 ZAE 155.69 ETE 149.04 ZAC 120.61 ETC 20.06 CLP 11.92

PLANETOCENTRIC CONIC

C3 64.261 VML 8.016 DLA -3.87 RAL 168.89 RAD 6569.2 VEL 13.624 PTH 2.49 VMP 15.190 DPA 20.07 RAP 147.11 ECC 2.0576
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 56 51 2383.87 -25.28 52.50 49.11 106.59 8 36 35 1783.9 -20.79 44.71
 90.00 18 57 21 5268.17 26.95 238.07 52.31 80.95 20 25 9 4668.2 25.42 229.74
 100.00 9 16 23 2127.31 -24.66 33.17 48.65 107.46 9 51 50 1527.3 -22.04 25.36
 100.00 20 20 30 4999.96 28.36 218.08 52.04 80.14 21 43 50 4400.0 26.71 209.67
 110.00 10 20 28 1926.67 -28.36 16.55 47.25 109.94 10 52 35 1326.7 -25.38 8.64
 110.00 21 32 54 4773.36 32.20 200.02 51.18 77.85 22 52 28 4173.4 30.19 191.38

DIFFERENTIAL CORRECTIONS

TDE .7551 TRA-1.7905 TC3 -.1514 BAU .1442
 RDE -.5451 RRA -.3475 RC3 .0724 FAU .01693
 FDE -.5863 FRA .9725 FC3 -.2280 BSP 4279
 BDE .9313 BRA 1.8239 BC3 .1678 FSP -192

MID-COURSE EXECUTION ACCURACY

SGT 1412.6 SGR 476.7 SG3 77.0
 RRT .1201 RRF -.1238 RTF -.8188
 SGB 1490.9 R23 -.0131 R13 -.8191
 SG1 1413.9 SG2 472.8 TMA 2.61

ORBIT DETERMINATION ACCURACY

ST 662.9 SR 396.7 SS 614.7
 CRT -.6904 CRS -.7944 CST .9871
 LSA 951.8 MSA 261.9 SSA 16.2
 EL1 726.8 EL2 261.7 ALF 153.92

LAUNCH DATE MAY 10 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 220.444

RL 151.06 LAL -.00 LOL 228.67 VL 23.622 GAL 11.07 AZL 92.87 MCA 85.18 SMA 110.67 ECC .40630 INC 2.8722 V1 29.496
 RP 108.94 LAP -2.86 LOP 313.84 VP 35.174 GAP -23.96 AZP 90.24 TAL 162.88 TAP 248.06 RCA 65.71 APO 155.64 V2 34.784
 RC 47.155 GL -8.73 GP 3.50 ZAL 57.33 ZAP 11.09 ETS 199.48 ZAE 157.25 ETE 144.67 ZAC 118.88 ETC 19.64 CLP 10.53

PLANETOCENTRIC CONIC

C3 58.620 VML 7.656 DLA -4.75 RAL 168.99 RAD 6569.1 VEL 13.416 PTH 2.45 VMP 14.542 DPA 19.68 RAP 148.95 ECC 1.9647
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 3 53 2333.94 -22.27 49.19 47.35 107.95 8 42 47 1733.9 -19.61 41.53
 90.00 18 51 6 5273.53 27.00 238.46 51.15 81.13 20 18 59 4673.5 25.50 230.11
 100.00 9 22 59 2078.75 -23.63 29.93 46.86 108.86 9 57 38 1478.8 -20.83 22.25
 100.00 20 14 40 5003.96 28.41 218.37 50.89 80.29 21 38 4 4404.0 26.77 209.95
 110.00 10 26 7 1881.14 -27.26 13.46 45.38 111.47 10 57 28 1281.1 -24.10 5.72
 110.00 21 28 2 4774.33 32.21 200.09 50.04 77.89 22 47 37 4174.3 30.21 191.45

DIFFERENTIAL CORRECTIONS

TDE .7592 TRA-1.7805 TC3 -.1451 BAU .1304
 RDE -.5106 RRA -.3323 RC3 .0815 FAU .01753
 FDE -.6168 FRA 1.0024 FC3 -.2588 BSP 4496
 BDE .9149 BRA 1.8113 BC3 .1664 FSP -211

MID-COURSE EXECUTION ACCURACY

SGT 1469.6 SGR 473.1 SG3 83.6
 RRT .1278 RRF -.1330 RTF -.8300
 SGB 1543.9 R23 -.0151 R13 -.8303
 SG1 1471.0 SG2 468.8 TMA 2.62

ORBIT DETERMINATION ACCURACY

ST 695.5 SR 389.4 SS 645.8
 CRT -.6908 CRS -.7965 CST .9867
 LSA 992.3 MSA 259.9 SSA 16.3
 EL1 753.5 EL2 259.8 ALF 155.80

LAUNCH DATE MAY 10 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 227.057

RL 151.06 LAL -.00 LOL 228.67 VL 23.912 GAL 10.56 AZL 92.96 MCA 88.34 SMA 111.96 ECC .38913 INC 2.9596 V1 29.496
 RP 108.94 LAP -2.96 LOP 317.01 VP 35.371 GAP -22.85 AZP 90.09 TAL 162.47 TAP 250.81 RCA 68.39 APO 155.53 V2 34.785
 RC 46.068 GL -9.55 GP 3.70 ZAL 57.05 ZAP 9.84 ETS 203.07 ZAE 158.77 ETE 139.44 ZAC 117.15 ETC 19.24 CLP 9.13

PLANETOCENTRIC CONIC

C3 53.528 VML 7.316 DLA -5.66 RAL 169.01 RAD 6568.9 VEL 13.225 PTH 2.42 VMP 13.916 DPA 19.30 RAP 150.78 ECC 1.8809
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 10 49 2283.19 -21.17 45.87 45.56 109.25 8 48 52 1683.2 -18.35 38.34
 90.00 18 44 20 5279.58 27.06 238.89 49.91 81.34 20 12 19 4679.6 25.59 230.53
 100.00 9 29 29 2029.42 -22.50 26.70 45.05 110.21 10 3 18 1429.4 -19.55 19.15
 100.00 20 8 21 5008.59 28.46 218.70 49.65 80.45 21 31 49 4408.6 26.85 210.27
 110.00 70 31 36 1834.94 -26.08 10.39 43.50 112.93 11 2 11 1234.9 -22.74 2.82
 110.00 21 22 43 4775.83 32.23 200.20 48.82 77.95 22 42 19 4175.8 30.24 191.55

DIFFERENTIAL CORRECTIONS

TDE .7638 TRA-1.7688 TC3 -.1360 BAU .1173
 RDE -.4767 RRA -.3176 RC3 .0914 FAU .01819
 FDE -.6500 FRA 1.0334 FC3 -.2943 BSP 4715
 BDE .9003 BRA 1.7970 BC3 .1639 FSP -232

MID-COURSE EXECUTION ACCURACY

SGT 1528.0 SGR 468.8 SG3 90.9
 RRT .1368 RRF -.1437 RTF -.8406
 SGB 1598.3 R23 -.0172 R13 -.8410
 SG1 1529.5 SG2 463.9 TMA 2.65

ORBIT DETERMINATION ACCURACY

ST 729.5 SR 380.8 SS 678.9
 CRT -.6912 CRS -.7985 CST .9863
 LSA 1035.2 MSA 257.2 SSA 16.4
 EL1 781.8 EL2 256.8 ALF 157.62

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 233,697																					
RL	151.06	LAL	-1.00	LOL	228.67	VL	24.182	GAL	10.07	AZL	93.05	HCA	91.50	SMA	113.20	ECC	.37280	INC	3.0467	V1	29.496
RP	108.93	LAP	-3.05	LOP	320.17	VP	35.556	GAP	-21.79	AZP	89.92	TAL	162.10	TAP	253.60	RCA	71.00	APO	155.40	V2	34.787
RC	45.125	GL	-10.42	GP	3.92	ZAL	56.83	ZAP	8.65	ETS	207.85	ZAE	160.18	ETE	133.20	ZAC	115.42	ETC	18.86	CLP	7.72

PLANETARY CONJUNCTION CONIC																									
C3	48.935	VML	6.995	DLA	-6.58	RAL	168.95	RAD	6568.8	VEL	13.050	PTH	2.38	VMP	13.310	DPA	18.92	RAP	152.60	ECC	1.8054				
LNCH	AZMTH	LNCH	TIME	L-I	TIME	INJ	LAT	INJ	LONG	INJ	RT	ASC	INJ	AZMTH	INJ	TIME	PO	CST	TIME	INJ	2	LAT	INJ	2	LONG
90.00		8	17	39	2231.62	-19.98			42.56			43.75		110.49	8	54	51		1631.6		-17.01				35.15
90.00		18	37	1	5286.55	27.14			239.38			48.60		81.58	20	5	8		4686.5		25.69				231.01
100.00		9	35	52	1979.32	-21.29			23.47			43.21		111.49	10	8	51		1379.3		-18.18				16.06
100.00		20	1	30	5014.07	28.52			219.10			48.36		80.65	21	25	4		4414.1		26.94				210.66
110.00		10	36	56	1788.11	-24.80			7.35			41.60		114.32	11	6	44		1188.1		-21.30				359.95
110.00		21	16	55	4778.05	32.27			200.36			47.54		78.05	22	36	33		4178.0		30.28				191.71

DIFFERENTIAL CORRECTIONS										MID-COURSE EXECUTION ACCURACY										ORBIT DETERMINATION									
TDE	.7687	TRA-1.7553	TC3	-.1241	BAU	.1053	SGT	1587.8	SGR	463.8	SG3	98.8	ST	764.8	SR	371.0	SS	714.0											
RDE	-.4436	RRA	-.3035	RC3	.1024	FAU	.01892	RRT	.1473	RRF	-.1561	RTF	-.8506	CRT	-.6914	CRS	-.8001	CST	.9860										
FDE	-.6861	FRA	1.0659	FC3	-.3348	BSP	.4931	SG8	1654.1	R23	-.0196	R13	-.8510	LSA	1080.6	MSA	253.8	SSA	16.5										
BDE	.8875	BRA	1.7814	BC3	.1609	FSP	-.255	SG1	1589.4	SG2	458.3	TMA	2.69	EL1	811.7	EL2	252.6	ALF	159.37										

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LAUNCH DATE MAY 10 1967                                FLIGHT TIME 104.00                                ARRIVAL DATE AUG 10 1967

MELIOCENTRIC CONIC                                DISTANCE 240.360
RL 151.06 LAL -.00 LOL 228.67 VL 24.435 GAL 9.60 AZL 93.13 HCA 94.66 SMA 114.40 ECC .35727 INC 3.1341 V1 29.496
RP 108.93 LAP -3.12 LOP 323.34 VP 35.731 GAP -20.76 AZP 89.74 TAP 161.77 TAP 256.43 RCA 73.53 APO 155.27 V2 34.790
RC 44.335 GL -11.35 GP 4.16 ZAL 56.70 ZAP 7.54 ETS 214.33 ZAE 161.42 ETE 125.83 ZAC 113.69 ETC 18.50 CLP 6.30

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PLANETOCENTRIC CONIC																										
C3	44.800	VML	6.693	DLA	-7.53	RAL	168.81	RAD	6568.7	VEL	12.890	PTH	2.35	VMP	12.725	DPA	18.55	RAP	154.41	ECC	1.7373					
LNCH	AZMTH	LNCH	TIME	L-I	TIME	INJ	LAT	INJ	LONG	INJ	RT	ASC	INJ	AZMTH	INJ	TIME	PO	CST	TIME	INJ	2	LAT	INJ	2	LONG	
90.00		8	24	27		2179.24		-18.70		39.26		41.93		111.66		9	0	46		1579.2		-15.59				31.96
90.00		18	29	7		5294.66		27.21		239.97		47.24		81.86		19	57	22		4694.7		25.81				231.58
100.00		9	42	10		1928.50		-19.99		20.26		41.37		112.70		10	14	19		328.5		-16.74				12.97
100.00		19	54	5		5020.63		28.59		219.58		47.00		80.89		21	17	45		4420.6		27.04				211.12
110.00		10	42	9		1740.70		-23.44		4.35		39.70		115.63		11	11	9		1140.7		-19.79				357.10
110.00		21	10	35		4781.19		32.31		200.60		46.20		78.18		22	30	17		4181.2		30.35				191.94

DIFFERENTIAL CORRECTIONS					MID-COURSE EXECUTION ACCURACY					ORBIT DETERMINATION ACCURACY									
TDE	.7746	TRA-1.7397	TC3	-.1088	BAU	.0945	SGT	1648.5	SGR	458.2	SG3	107.5	ST	801.7	SR	359.8	SS	751.7	
RDE	-.4110	RRA	-.2900	RC3	.1143	FAU	.01973	RRT	.1597	RFR	-.1708	RTF	-.8601	CRT	-.6915	CRS	-.8014	CST	.9857
FDE	-.7259	FRA	1.0998	FC3	-.3813	BSP	5154	SGB	1710.9	R23	-.0224	R13	-.8604	LSA	1129.0	MSA	249.8	SSA	16.6
BDE	.8769	BRA	1.7637	BC3	.1578	FSP	-281	SG1	1650.2	SG2	431.8	THA	2.75	EL1	843.3	EL2	247.1	ALF	161.07

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LAUNCH DATE MAY 10 1967                                FLIGHT TIME 106.00                                ARRIVAL DATE
Heliocentric Conic
DISTANCE 247.042
RL 151.06 LAL - .00 LOL 228.67 VL 24.670 GAL 9.15 AZL 93.22 HCA 97.82 SMA 115.55 ECC .34255 INC 3.2222 V1 29.496
RP 108.92 LAP -3.19 LOP 326.50 VP 35.895 GAP -19.77 ZAP 89.56 TAL 161.48 TAP 259.30 RCA 75.97 APO 155.13 V2 34.793
RC 43.707 GL -12.33 GP 4.43 ZAL 56.65 ZAP 6.57 ETS 223.16 ZAE 162.37 ETE 117.32 ZAC 111.97 ETC 18.17 CLP 4.86

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RC	43.707	GL	-12.33	GP	4.43	ZAL	56.65	ZAP	0.57	ETD	25.976	TIME	0.000												
PLANETOCENTRIC CONJCS																									
C3	41.081	VHL	6.409	DLA	-8.51	RAL	168.59	RAD	6568.6	VEL	12.746	PTH	2.32	VMP	12.158	OPA	18.20	RAP	156.21	ECC	1.6761				
C3 41.081 VHL 6.409 DLA -8.51 RAL 168.59 RAD 6568.6 VEL 12.746 PTH 2.32 VMP 12.158 OPA 18.20 RAP 156.21 ECC 1.6761																									
LNCH		AZMTH		LNCH TIME		L-I TIME		INJ LAT		INJ LONG		INJ RT		ASC		INJ AZMTH		INJ TIME		PO CST TIM		INJ 2 LAT		INJ 2 LONG	
90.00		8 31 12		2126.05		-17.33		35.95		40.10		112.75		9 6 38		1526.1		-14.10		28.77					
90.00		18 20 35		5304.18		27.30		240.65		45.82		82.19		19 49 0		4704.2		25.94		232.25					
100.00		9 48 25		1876.96		-18.60		17.06		39.52		113.83		10 19 42		1277.0		-15.22		9.90					
100.00		19 46 4		5028.51		28.68		220.15		45.59		81.18		21 9 52		4428.5		-27.16		211.67					
110.00		10 47 15		1692.75		-21.99		1.37		37.81		116.85		11 15 28		1092.8		-18.21		354.28					
110.00		21 3 43		4785.48		32.37		200.92		44.82		78.36		22 23 29		4185.5		30.43		192.24					
ORBIT DETERMINATION ACCURACY														ORBIT DETERMINATION ACCURACY											

DIFFERENTIAL CORRECTIONS				MID-COURSE EXECUTION ACCURACY				ORBIT DETERMINATION ACCURACY											
TOE	.7811	TRA-1.7224	TC3	-.0894	BAU	.0855	SGT	1710.1	SGR	452.0	SG3	117.1	ST	840.1	SR	347.1	SS	792.1	
RDE	-.3791	RRA	-.2773	RC3	.1273	FAU	.02063	RRT	.1745	RFR	-.1877	RTF	-.8690	CRT	-.6910	CRS	-.8021	CST	.9854
FDE	-.7698	FRA	1.1353	FC3	-.4347	BSP	5370	SG8	1768.8	R23	-.0254	R13	-.8694	LSA	1180.3	MSA	245.3	SSA	16.6
BDE	.8682	BRA	1.7446	BC3	.1556	FSP	-309	SG1	1712.0	SG2	444.5	TMA	2.83	EL1	876.6	EL2	240.5	ALF	162.72

LAUNCH DATE MAY 10 1967

FLIGHT TIME 108.00

ARRIVAL DATE MAY 11 1967

MELIOCENTRIC CONIC

DISTANCE 253.740

RL 151.06 LAL	-.00 LOL 228.67 VL	24.890 GAL	8.73 AZL	93.31 MCA	100.99 SMA	116.65 ECC	.32860 INC	3.3118 V1	29.496
RP 108.90 LAP	-3.25 LOP 329.67 VP	36.050 GAP	-18.82 AZP	89.37 TAL	161.23 TAP	262.22 RCA	78.32 APO	154.99 V2	34.797
			5.03 ETC	216.01 ZAL	162.94 FTE	107.86 ZAC	110.26 ETC	17.85 CLP	3.40

RP	108.90	LAP	-3.25	LOP	329.67	VP	36.030	GAP	-10.62	ETS	235.01	ZAE	162.94	ETE	107.86	ZAC	110.26	ETC	17.85	CLP	5.40	
PL	43.245	GL	-13.38	GP	4.72	ZAL	56.68	ZAP	5.83													
PLANETOCENTRIC CONIC																						
C3	37.744	VML	6.144	DLA	-9.52	RAL	168.29	RAD	6568.5	VEL	12.614	PTH	2.29	VMP	11.611	DPA	17.88	RAP	157.99	ECC	1.6212	
LNCH	AZMTH	LNCH	TIME	L-I	TIME	INJ	LAT	INJ	LONG	INJ	RT	ASC	INJ	AZMTH	INJ	TIME	PO	CST	TIME	INJ	2	LONG
90.00		8	37	59	2072.05	-15.87		32.65		38.27		113.76	9	12	31	1472.1		-12.53		25.57		
90.00		18	11	23	5315.38	27.41		241.45		44.36		82.58	19	39	59	4715.4		26.09		233.03		
100.00		9	54	39	1824.71	-17.13		13.87		37.68		114.87	10	25	4	1224.7		-13.64		6.83		
100.00		19	37	24	5037.95	28.77		220.83		44.15		81.53	21	1	22	4438.0		27.30		212.34		
110.00		10	52	16	1644.30	-20.47		358.43		35.93		117.99	11	19	40	1044.3		-16.57		351.48		
110.00		20	56	17	4791.12	32.45		201.34		43.40		78.60	22	16	8	4191.1		30.54		192.65		
ORBIT DETERMINATION ACCURACY											ORBIT DETERMINATION ACCURACY											

DIFFERENTIAL CORRECTIONS					MID-COURSE EXECUTION ACCURACY					ORBIT DETERMINATION ACCURACY									
TOE	.7888	TRA-1.7026	TC3	-.0660	BAU	.0788	SGT	1772.0	SGR	445.4	SG3	127.7	ST	880.0	SR	332.9	SS	835.5	
RDE	-.3476	RRA	-.2655	RC3	.1415	FAU	.02162	RRT	.1921	RRF	-.2078	RTF	-.8774	CRT	-.6900	CRS	-.8019	CST	.9853
FDE	-.8185	FRA	1.1725	FC3	-.4958	BSP	.5593	SGB	1827.1	R23	-.0289	R13	-.8779	LSA	1235.1	MSA	240.1	SSA	16.7
BOE	.8620	BRA	1.7232	BC3	.1561	FSP	-.340	SG1	1774.2	SG2	436.5	THA	2.94	EL1	911.7	EL2	232.6	ALF	164.33

LAUNCH DATE MAY 10 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 260.450

RL 151.06 LAL -.00 LOL 228.67 VL 25.094 GAL 8.32 AZL 93.40 MCA 104.15 SMA 117.71 ECC .31542 INC 3.4033 V1 29.496
 RP 108.89 LAP -3.30 LOP 332.84 VP 36.195 GAP -17.89 AZP 89.17 TAL 161.02 TAP 265.17 RCA 80.58 APO 154.84 V2 34.801
 RC 42.956 GL -14.48 GP 5.07 ZAL 56.80 ZAP 5.42 ETS 249.87 ZAE 163.06 ETE 97.89 ZAC 108.55 ETC 17.55 CLP 1.92

PLANETOCENTRIC CONIC

C3 34.755 VHL 5.895 DLA -10.55 RAL 167.90 RAD 6568.4 VEL 12.495 PTH 2.26 VHP 11.083 DPA 17.58 RAP 159.76 ECC 1.5720
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 44 48 2017.21 -14.34 29.36 36.46 114.68 9 18 29 1417.2 -10.89 22.38
 90.00 18 1 27 5328.52 27.52 242.40 42.87 83.04 19 30 16 4728.5 26.27 233.95
 100.00 10 0 54 1771.74 -15.59 10.70 35.85 115.83 10 30 25 1171.7 -11.99 3.76
 100.00 19 28 3 5049.23 28.89 221.65 42.67 81.95 20 52 12 4449.2 27.47 213.13
 110.00 10 57 13 1595.38 -18.88 355.53 34.06 119.04 11 23 48 995.4 -14.87 348.72
 110.00 20 48 13 4798.35 32.54 201.88 41.95 78.91 22 8 12 4198.4 30.67 193.17

DIFFERENTIAL CORRECTIONS

TDE .7975 TRA-1.6814 TC3 -.0384 BAU .0750
 RDE -.3166 RRA -.2546 RC3 .1568 FAU .02271
 FDE -.8727 FRA 1.2119 FC3 -.5656 BSP .5813
 BDE .8580 BRA 1.7006 BC3 .1615 FSP -375

MID-COURSE EXECUTION ACCURACY

SGT 1834.7 SGR 438.5 SG3 139.3
 RRT .2133 RRF -.2319 RTF -.8853
 SGB 1886.3 R23 -.0330 R13 -.8858
 SGI 1837.2 SG2 427.8 TMA 3.09

ORBIT DETERMINATION ACCURACY

ST 921.6 SR 316.9 SS 882.3
 CRT -.6877 CRS -.8005 CST .9852
 LSA 1293.4 MSA 234.5 SSA 16.7
 EL1 948.6 EL2 223.5 ALF 165.90

LAUNCH DATE MAY 10 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 267.170

RL 151.06 LAL -.00 LOL 228.67 VL 25.284 GAL 7.93 AZL 93.50 MCA 107.31 SMA 118.72 ECC .30299 INC 3.4974 V1 29.496
 RP 108.87 LAP -3.34 LOP 336.01 VP 36.332 GAP -17.00 AZP 88.96 TAL 160.85 TAP 268.17 RCA 82.75 APO 154.69 V2 34.806
 RC 42.841 GL -15.65 GP 5.44 ZAL 57.00 ZAP 5.46 ETS 266.20 ZAE 162.69 ETE 88.06 ZAC 106.86 ETC 17.26 CLP .42

PLANETOCENTRIC CONIC

C3 32.084 VHL 5.664 DLA -11.62 RAL 167.42 RAD 6568.3 VEL 12.388 PTH 2.24 VHP 10.573 DPA 17.32 RAP 161.52 ECC 1.5280
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 51 44 1961.49 -12.73 26.06 34.66 115.51 9 24 26 1361.5 -9.20 19.16
 90.00 17 50 43 5343.93 27.64 243.51 41.36 83.59 19 19 47 4743.9 26.46 235.04
 100.00 10 7 12 1718.04 -13.97 7.53 34.04 116.70 10 35 50 1118.0 -10.28 .69
 100.00 19 17 57 5062.61 29.01 222.63 41.17 82.45 20 42 20 4462.6 27.66 214.08
 110.00 11 2 8 1546.01 -17.23 352.66 32.21 119.99 11 27 54 946.0 -13.11 345.97
 110.00 20 39 30 4807.41 32.66 202.56 40.49 79.29 21 59 38 4207.4 30.84 193.82

DIFFERENTIAL CORRECTIONS

TDE .8078 TRA-1.6581 TC3 -.0057 BAU .0745
 RDE -.2858 RRA -.2449 RC3 .1735 FAU .02392
 FDE -.9336 FRA 1.2534 FC3 -.6455 BSP .6033
 BDE .8569 BRA 1.6761 BC3 .1736 FSP -413

MID-COURSE EXECUTION ACCURACY

SGT 1897.3 SGR 431.5 SG3 152.2
 RRT .2389 RRF -.2606 RTF -.8928
 SGB 1945.8 R23 -.0375 R13 -.8933
 SGI 1900.3 SG2 418.3 TMA 3.27

ORBIT DETERMINATION ACCURACY

ST 965.2 SR 298.9 SS 933.0
 CRT -.6836 CRS -.7973 CST .9852
 LSA 1356.1 MSA 228.5 SSA 16.6
 EL1 987.7 EL2 213.2 ALF 167.45

LAUNCH DATE MAY 10 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 273.896

RL 151.06 LAL -.00 LOL 228.67 VL 25.460 GAL 7.55 AZL 93.59 MCA 110.48 SMA 119.68 ECC .29128 INC 3.5948 V1 29.496
 RP 108.86 LAP -3.37 LOP 339.18 VP 36.461 GAP -16.14 AZP 88.74 TAL 160.73 TAP 271.20 RCA 84.82 APO 154.54 V2 34.812
 RC 42.900 GL -16.88 GP 5.86 ZAL 57.29 ZAP 5.97 ETS 281.33 ZAE 161.88 ETE 78.96 ZAC 105.19 ETC 16.99 CLP -1.12

PLANETOCENTRIC CONIC

C3 29.706 VHL 5.450 DLA -12.73 RAL 166.86 RAD 6568.2 VEL 12.291 PTH 2.21 VHP 10.080 DPA 17.10 RAP 163.25 ECC 1.4889
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 58 50 1904.81 -11.05 22.75 32.89 116.24 9 30 35 1304.8 -7.43 15.93
 90.00 17 39 8 5361.93 27.77 244.81 39.83 84.23 19 8 30 4761.9 26.68 236.31
 100.00 10 13 37 1663.57 -12.28 4.37 32.25 117.47 10 41 20 1063.6 -8.51 357.62
 100.00 19 7 3 5078.40 29.14 223.78 39.66 83.04 20 31 41 4478.4 27.88 215.21
 110.00 11 7 3 1496.21 -15.51 349.82 30.40 120.85 11 31 59 896.2 -11.30 343.24
 110.00 20 30 6 4818.53 32.80 203.40 39.01 79.77 21 50 25 4218.5 31.04 194.62

DIFFERENTIAL CORRECTIONS

TDE .8201 TRA-1.6318 TC3 .0323 BAU .0771
 RDE -.2551 RRA -.2364 RC3 .1914 FAU .02526
 FDE -1.0020 FRA 1.2974 FC3 -.7361 BSP .6271
 BDE .8588 BRA 1.6488 BC3 .1941 FSP -456

MID-COURSE EXECUTION ACCURACY

SGT 1958.8 SGR 424.7 SG3 166.4
 RRT .2696 RRF -.2949 RTF -.9001
 SGB 2004.4 R23 -.0429 R13 -.9007
 SGI 1962.3 SG2 408.3 TMA 3.50

ORBIT DETERMINATION ACCURACY

ST 1010.7 SR 278.9 SS 987.7
 CRT -.6770 CRS -.7912 CST .9853
 LSA 1423.1 MSA 222.0 SSA 16.5
 EL1 1028.9 EL2 201.6 ALF 168.99

LAUNCH DATE MAY 10 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 280.625

RL 151.06 LAL -.00 LOL 228.67 VL 25.624 GAL 7.20 AZL 93.70 MCA 113.64 SMA 120.58 ECC .28028 INC 3.6964 V1 29.496
 RP 108.84 LAP -3.39 LOP 342.35 VP 36.582 GAP -15.31 AZP 88.52 TAL 160.64 TAP 274.28 RCA 86.79 APO 154.38 V2 34.819
 RC 43.133 GL -18.18 GP 6.34 ZAL 57.66 ZAP 6.89 ETS 293.47 ZAE 160.68 ETE 70.98 ZAC 103.54 ETC 16.73 CLP -2.69

PLANETOCENTRIC CONIC

C3 27.597 VHL 5.253 DLA -13.87 RAL 166.21 RAD 6568.1 VEL 12.205 PTH 2.19 VHP 9.606 DPA 16.94 RAP 164.98 ECC 1.4542
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 6 11 1847.06 -9.29 19.41 31.16 116.87 9 36 58 1247.1 -5.61 12.67
 90.00 17 26 37 5382.88 27.90 246.33 38.30 84.98 18 56 20 4782.9 26.91 237.80
 100.00 10 20 12 1608.21 -10.53 1.20 30.51 118.14 10 47 0 1008.2 -6.68 354.52
 100.00 18 55 17 5096.92 29.29 225.14 38.14 83.74 20 20 14 4496.9 28.11 216.53
 110.00 11 12 1 1445.96 -13.73 347.01 28.62 121.61 11 36 7 846.0 -9.45 340.53
 110.00 20 19 58 4831.97 32.95 204.42 37.54 80.36 21 40 29 4232.0 31.27 195.60

DIFFERENTIAL CORRECTIONS

TDE .8338 TRA-1.6050 TC3 .0736 BAU .0824
 RDE -.2242 RRA -.2293 RC3 .2109 FAU .02674
 FDE -1.0795 FRA 1.3441 FC3 -.8388 BSP .6479
 BDE .8634 BRA 1.6213 BC3 .2233 FSP -503

MID-COURSE EXECUTION ACCURACY

SGT 2020.9 SGR 418.6 SG3 182.1
 RRT .3065 RRF -.3358 RTF -.9065
 SGB 2063.8 R23 -.0492 R13 -.9072
 SGI 2025.2 SG2 397.6 TMA 3.78

ORBIT DETERMINATION ACCURACY

ST 1058.1 SR 256.5 SS 1047.2
 CRT -.6651 CRS -.7807 CST .9855
 LSA 1495.1 MSA 215.6 SSA 16.4
 EL1 1072.2 EL2 189.0 ALF 170.54

LAUNCH DATE MAY 10 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 287.355

RL 151.06 LAL -.00 LOL 228.67 VL 25.776 GAL 6.86 AZL 93.80 MCA 116.81 SMA 121.45 ECC .26996 INC 3.8030 V1 29.496
 RP 108.81 LAP -3.39 LOP 345.53 VP 36.695 GAP -14.51 AZP 88.28 TAL 160.59 TAP 277.39 RCA 88.66 APO 154.23 V2 34.826
 RC 43.534 GL -19.55 GP 6.88 ZAL 58.12 ZAP 8.12 ETS 302.47 ZAE 159.21 ETE 64.26 ZAC 101.90 ETC 16.48 CLP -4.31

PLANETOCENTRIC CONIC

C3 25.735 VML 5.073 OLA -15.05 RAL 165.48 RAD 6568.0 VEL 12.129 PTH 2.17 VMP 9.149 DPA 16.85 RAP 166.68 ECC 1.4235
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 13 52 1788.08 -7.46 16.05 29.47 117.40 9 43 40 1188.1 -3.73 9.35
 90.00 17 13 3 5407.20 28.04 248.09 36.77 85.85 18 43 11 4807.2 27.17 239.54
 100.00 10 27 3 1551.97 -8.70 358.02 28.81 118.71 10 52 54 952.0 -4.80 351.40
 100.00 18 42 34 5118.54 29.44 226.73 36.63 84.57 20 7 52 4518.5 28.38 218.09
 110.00 11 17 4 1395.26 -11.91 344.22 26.89 122.28 11 40 20 795.3 -7.56 337.82
 110.00 20 9 1 4848.01 33.13 205.64 36.09 81.06 21 29 49 4248.0 31.54 196.77

DIFFERENTIAL CORRECTIONS

TDE .8491 TRA-1.5760 TC3 .1193 BAU .0897
 RDE -.1928 RRA -.2238 RC3 .2319 FAU .02837
 FDE-1.1673 FRA 1.3940 FC3 -.9545 BSP 6684
 BDE .8708 BRA 1.5918 BC3 .2608 FSP -.555

MID-COURSE EXECUTION ACCURACY

SGT 2081.4 SGR 413.8 SG3 199.5
 RRT .3506 RRF -.3844 RTF -.9126
 SGB 2122.1 R23 -.0565 R13 -.9134
 SG1 2086.6 SG2 386.6 TMA 4.13

ORBIT DETERMINATION ACCURACY

ST 1107.1 SR 231.6 SS 1111.8
 CRT -.6452 CRS -.7629 CST .9858
 LSA 1572.0 MSA 209.2 SSA 16.2
 EL1 1117.4 EL2 175.3 ALF 172.12

LAUNCH DATE MAY 10 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 294.084

RL 151.06 LAL -.00 LOL 228.67 VL 25.916 GAL 6.55 AZL 93.92 MCA 119.98 SMA 122.26 ECC .26031 INC 3.9159 V1 29.496
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.801 GAP -13.73 AZP 88.04 TAL 160.57 TAP 280.55 RCA 90.43 APO 154.08 V2 34.834
 RC 44.099 GL -20.99 GP 7.50 ZAL 58.66 ZAP 9.58 ETS 308.93 ZAE 157.56 ETE 58.78 ZAC 100.30 ETC 16.23 CLP -5.97

PLANETOCENTRIC CONIC

C3 24.101 VML 4.909 OLA -16.27 RAL 164.65 RAD 6568.0 VEL 12.061 PTH 2.16 VMP 8.709 DPA 16.83 RAP 168.37 ECC 1.3966
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 22 1 1727.61 -5.55 12.63 27.85 117.81 9 50 48 1127.6 -1.79 5.97
 90.00 16 58 20 5435.38 28.16 250.15 35.25 86.87 18 28 56 4835.4 27.43 241.56
 100.00 10 34 14 1494.56 -6.81 354.81 27.16 119.18 10 59 9 894.6 -2.87 348.24
 100.00 18 28 48 5143.66 29.59 228.58 35.14 85.53 19 54 32 4543.7 28.65 219.90
 110.00 11 22 17 1344.04 -10.03 341.44 25.20 122.85 11 44 41 744.0 -5.63 335.11
 110.00 19 57 14 4866.95 33.32 207.08 34.66 81.89 21 18 21 4267.0 31.84 198.17

DIFFERENTIAL CORRECTIONS

TDE .8669 TRA-1.5449 TC3 .1698 BAU .0986
 RDE -.1605 RRA -.2200 RC3 .2546 FAU .03019
 FDE-1.2675 FRA 1.4468 FC3-1.0843 BSP 6894
 BDE .8816 BRA 1.5605 BC3 .3060 FSP -.614

MID-COURSE EXECUTION ACCURACY

SGT 2139.9 SGR 411.2 SG3 218.9
 RRT .4028 RRF -.4410 RTF -.9184
 SGB 2179.1 R23 -.0649 R13 -.9194
 SG1 2146.5 SG2 375.2 TMA 4.57

ORBIT DETERMINATION ACCURACY

ST 1158.1 SR 204.0 SS 1182.1
 CRT -.6110 CRS -.7321 CST .9862
 LSA 1654.9 MSA 202.7 SSA 16.0
 EL1 1164.9 EL2 160.5 ALF 173.74

LAUNCH DATE MAY 10 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 300.808

RL 151.06 LAL -.00 LOL 228.67 VL 26.046 GAL 6.25 AZL 94.04 MCA 123.15 SMA 123.02 ECC .25129 INC 4.0363 V1 29.496
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.900 GAP -12.97 AZP 87.79 TAL 160.59 TAP 283.74 RCA 92.11 APO 153.94 V2 34.842
 RC 44.820 GL -22.50 GP 8.21 ZAL 59.29 ZAP 11.23 ETS 313.54 ZAE 155.81 ETE 54.41 ZAC 98.72 ETC 15.99 CLP -3.69

PLANETOCENTRIC CONIC

C3 22.680 VML 4.762 OLA -17.54 RAL 163.74 RAD 6567.9 VEL 12.002 PTH 2.14 VMP 8.287 DPA 16.91 RAP 170.05 ECC 1.3733
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 30 47 1665.31 -3.56 9.13 26.29 118.11 9 58 32 1065.3 .23 2.50
 90.00 16 42 19 5468.01 28.26 252.53 33.75 88.07 18 13 27 4868.0 27.69 243.91
 100.00 10 41 55 1435.78 -4.85 351.55 25.58 119.53 11 5 50 835.8 -.88 345.01
 100.00 18 13 52 5172.78 29.72 230.74 33.67 86.66 19 40 5 4572.8 28.94 222.02
 110.00 11 27 44 1292.21 -8.10 338.66 23.57 123.32 11 49 16 692.2 -3.66 332.39
 110.00 19 44 32 4889.12 33.52 208.78 33.26 82.88 21 6 1 4289.1 32.17 199.81

DIFFERENTIAL CORRECTIONS

TDE .8871 TRA-1.5120 TC3 .2227 BAU .1083
 RDE -.1268 RRA -.2182 RC3 .2791 FAU .03217
 FDE-1.3822 FRA 1.5031 FC3-1.2281 BSP 7094
 BDE .8961 BRA 1.5277 BC3 .3571 FSP -.679

MID-COURSE EXECUTION ACCURACY

SGT 2196.3 SGR 412.0 SG3 240.2
 RRT .4628 RRF -.5058 RTF -.9238
 SGB 2234.6 R23 -.0747 R13 -.9250
 SG1 2204.7 SG2 363.8 TMA 5.10

ORBIT DETERMINATION ACCURACY

ST 1211.1 SR 173.7 SS 1258.6
 CRT -.5492 CRS -.6762 CST .9867
 LSA 1744.2 MSA 196.5 SSA 15.6
 EL1 1214.9 EL2 144.7 ALF 175.43

LAUNCH DATE MAY 10 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 307.527

RL 151.06 LAL -.00 LOL 228.67 VL 26.166 GAL 5.96 AZL 94.17 MCA 126.32 SMA 123.74 ECC .24289 INC 4.1657 V1 29.496
 RP 108.74 LAP -3.36 LOP 355.05 VP 36.993 GAP -12.24 AZP 87.53 TAL 160.64 TAP 286.96 RCA 93.69 APO 153.79 V2 34.851
 RC 45.690 GL -24.08 GP 9.02 ZAL 60.00 ZAP 13.05 ETS 316.82 ZAE 154.02 ETE 51.01 ZAC 97.17 ETC 15.76 CLP -9.47

PLANETOCENTRIC CONIC

C3 21.459 VML 4.632 OLA -18.85 RAL 162.75 RAD 6567.9 VEL 11.952 PTH 2.13 VMP 7.882 DPA 17.11 RAP 171.71 ECC 1.3532
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 40 23 1600.64 -1.48 5.52 24.81 118.28 10 7 4 1000.6 2.31 358.89
 90.00 16 24 45 5505.88 28.31 255.30 32.28 89.45 17 56 31 4905.9 27.94 246.65
 100.00 10 50 14 1375.25 -2.81 348.21 24.07 119.77 11 13 9 775.3 1.18 341.69
 100.00 17 57 36 5206.50 29.83 233.24 32.24 87.97 19 24 22 4606.5 29.23 224.48
 110.00 11 33 31 1239.62 -6.13 335.87 22.02 123.70 21 54 11 639.6 -1.66 329.64
 110.00 19 30 48 4914.90 33.72 210.77 31.92 84.04 20 52 43 4314.9 32.53 201.74

DIFFERENTIAL CORRECTIONS

TDE .9123 TRA-1.4749 TC3 .2825 BAU .1195
 RDE -.0909 RRA -.2186 RC3 .3060 FAU .03443
 FDE-1.5152 FRA 1.5615 FC3-1.3892 BSP 7343
 BDE .9168 BRA 1.4910 BC3 .4165 FSP -.754

MID-COURSE EXECUTION ACCURACY

SGT 2248.8 SGR 417.9 SG3 264.0
 RRT .5300 RRF -.5776 RTF -.9294
 SGB 2287.4 R23 -.0855 R13 -.9309
 SG1 2260.0 SG2 352.7 TMA 5.77

ORBIT DETERMINATION ACCURACY

ST 1267.9 SR 141.6 SS 1342.9
 CRT -.4299 CRS -.5652 CST .9875
 LSA 1842.5 MSA 189.7 SSA 15.2
 EL1 1269.4 EL2 127.7 ALF 177.22

LAUNCH DATE MAY 10 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 314.239

RL 151.06 LAL -0.00 LOL 228.67 VL 26.276 GAL 5.70 AZL 94.31 MCA 129.49 SMA 124.41 ECC .23508 INC 4.3062 V1 29.496
 RP 108.71 LAP -3.32 LOP 358.23 VP 37.080 GAP -11.53 AZP 87.26 TAL 160.72 TAP 290.21 RCA 95.16 APO 153.66 V2 34.860
 RC 46.700 GL -25.75 GP 9.96 ZAL 60.78 ZAP 15.04 ETS 319.13 ZAE 152.23 ETE 48.46 ZAC 95.66 ETC 15.52 CLP -11.32

PLANETOCENTRIC CONIC

C3 20.426 VML 4.520 DLA -20.21 RAL 161.67 RAD 6567.8 VEL 11.908 PTH 2.12 VMP 7.495 DPA 17.44 RAP 173.36 ECC 1.3362
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 - 9 51 9 1532.80 .71 1.74 23.44 118.31 10 16 42 932.8 4.49 355.09
 90.00 16 5 22 5550.05 28.30 258.53 30.83 91.07 17 37 52 4950.1 28.15 249.87
 100.00 10 59 26 1312.44 -.68 344.76 22.67 119.89 11 21 19 712.4 3.30 338.24
 100.00 17 39 46 5245.65 29.89 236.15 30.84 89.50 19 7 12 4645.7 29.50 227.36
 110.00 11 39 46 1186.07 -4.10 333.05 20.54 123.97 11 59 32 586.1 .39 326.84
 110.00 19 15 56 4944.79 33.91 213.08 30.63 85.40 20 38 21 4344.8 32.90 203.99

DIFFERENTIAL CORRECTIONS

TDE .9375 TRA-1.4385 TC3 .3381 BAU .1300
 ROE -.0519 RRA -.2217 RC3 .3353 FAU .03684
 FDE-1.6666 FRA 1.6247 FC3-1.5613 BSP 7516
 BDE .9389 BRA 1.4555 BC3 .4762 FSP -835

MID-COURSE EXECUTION ACCURACY

SGT 2298.4 SGR 431.2 SG3 290.1
 RRT .6020 RRF -.6536 RTF -.9340
 SGB 2338.5 R23 -.0984 R13 -.9358
 SG1 2313.3 SG2 342.1 THA 6.59

ORBIT DETERMINATION ACCURACY

ST 1323.8 SR 111.7 SS 1433.5
 CRT -.1738 CRS -.3212 CST .9881
 LSA 1945.7 MSA 184.3 SSA 14.6
 EL1 1324.0 EL2 110.0 ALF 179.15

LAUNCH DATE MAY 10 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 320.942

RL 151.06 LAL -0.00 LOL 228.67 VL 26.378 GAL 5.45 AZL 94.46 MCA 132.66 SMA 125.04 ECC .22785 INC 4.4602 V1 29.496
 RP 108.68 LAP -3.28 LOP 1.42 VP 37.162 GAP -10.84 AZP 86.97 TAL 160.83 TAP 293.49 RCA 96.55 APO 153.53 V2 34.870
 RC 47.841 GL -27.49 GP 11.06 ZAL 61.64 ZAP 17.19 ETS 320.71 ZAE 150.47 ETE 46.65 ZAC 94.18 ETC 15.28 CLP -13.25

PLANETOCENTRIC CONIC

C3 19.575 VML 4.424 DLA -21.62 RAL 160.50 RAD 6567.8 VEL 11.872 PTH 2.11 VMP 7.127 DPA 17.94 RAP 175.00 ECC 1.3222
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 3 32 1460.51 3.04 357.70 22.21 118.17 10 27 53 860.5 6.78 351.02
 90.00 15 43 41 5602.09 28.17 262.33 29.41 92.97 17 17 3 5002.1 28.29 253.67
 100.00 11 9 51 1246.49 1.56 341.15 21.39 119.86 11 30 38 646.5 5.52 334.60
 100.00 17 20 4 5291.34 29.87 239.54 29.49 91.29 18 48 15 4691.3 29.73 230.74
 110.00 11 46 38 1131.21 -2.00 330.19 19.16 124.13 12 5 29 531.2 2.49 323.98
 110.00 18 59 46 4979.38 34.07 215.77 29.41 86.98 20 22 46 4379.4 33.27 206.62

DIFFERENTIAL CORRECTIONS

TDE .9656 TRA-1.4006 TC3 .3923 BAU .1407
 ROE -.0085 RRA -.2279 RC3 .3675 FAU .03946
 FDE-1.8413 FRA 1.6912 FC3-1.7451 BSP 7684
 BDE .9657 BRA 1.4191 BC3 .5376 FSP -924

MID-COURSE EXECUTION ACCURACY

SGT 2343.3 SGR 454.6 SG3 318.9
 RRT .6744 RRF -.7294 RTF -.9383
 SGB 2387.0 R23 -.1131 R13 -.9406
 SG1 2363.7 SG2 332.8 THA 7.61

ORBIT DETERMINATION ACCURACY

ST 1380.8 SR 96.4 SS 1531.8
 CRT .3157 CRS .1726 CST .9888
 LSA 2056.7 MSA 179.4 SSA 14.0
 EL1 1381.1 EL2 91.4 ALF 1.27

LAUNCH DATE MAY 10 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 327.634

RL 151.06 LAL -0.00 LOL 228.67 VL 26.471 GAL 5.21 AZL 94.63 MCA 135.84 SMA 125.62 ECC .22116 INC 4.6309 V1 29.496
 RP 108.64 LAP -3.22 LOP 4.60 VP 37.238 GAP -10.18 AZP 86.67 TAL 160.96 TAP 296.80 RCA 97.84 APO 153.40 V2 34.881
 RC 49.103 GL -29.31 GP 12.34 ZAL 62.56 ZAP 19.54 ETS 321.74 ZAE 148.75 ETE 45.53 ZAC 92.75 ETC 15.03 CLP -15.26

PLANETOCENTRIC CONIC

C3 18.902 VML 4.348 DLA -23.10 RAL 159.25 RAD 6567.8 VEL 11.844 PTH 2.10 VMP 6.779 DPA 18.64 RAP 176.65 ECC 1.3111
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 18 19 1381.56 5.56 353.27 21.16 117.81 10 41 21 781.6 9.24 346.52
 90.00 15 18 56 5664.50 27.87 266.87 28.01 95.23 16 53.21 5064.5 28.30 258.23
 100.00 11 21 59 1176.06 3.94 337.27 20.26 119.66 11 41 35 576.1 7.86 330.68
 100.00 16 57 57 5345.23 29.72 243.54 28.17 93.39 18 27 3 4745.2 29.87 234.74
 110.00 11 54 21 1074.57 .16 327.23 17.91 124.18 12 12 16 474.6 4.64 321.02
 110.00 18 42 5 5019.49 34.17 218.90 28.27 88.83 20 5 44 4419.5 33.63 209.70

DIFFERENTIAL CORRECTIONS

TDE .9972 TRA-1.3609 TC3 .4432 BAU .1514
 ROE .0409 RRA -.2375 RC3 .4032 FAU .04229
 FDE-2.0433 FRA 1.7602 FC3-1.9370 BSP 7838
 BDE .9980 BRA 1.3815 BC3 .5991 FSP -1022

MID-COURSE EXECUTION ACCURACY

SGT 2382.7 SGR 491.5 SG3 350.4
 RRT .7424 RRF -.7995 RTF -.9422
 SGB 2432.8 R23 -.1294 R13 -.9451
 SG1 2411.0 SG2 325.5 THA 8.87

ORBIT DETERMINATION ACCURACY

ST 1438.5 SR 115.9 SS 1638.5
 CRT .7835 CRS .6872 CST .9895
 LSA 2176.3 MSA 175.2 SSA 13.2
 EL1 1441.3 EL2 71.9 ALF 3.62

LAUNCH DATE MAY 10 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 334.313

RL 151.06 LAL -0.00 LOL 228.67 VL 26.556 GAL 5.00 AZL 94.82 MCA 139.01 SMA 126.16 ECC .21500 INC 4.8224 V1 29.496
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.308 GAP -9.53 AZP 86.36 TAL 161.11 TAP 300.12 RCA 99.04 APO 153.28 V2 34.891
 RC 50.476 GL -31.22 GP 13.86 ZAL 63.55 ZAP 22.09 ETS 322.32 ZAE 147.06 ETE 45.03 ZAC 91.35 ETC 14.76 CLP -17.37

PLANETOCENTRIC CONIC

C3 18.408 VML 4.290 DLA -24.63 RAL 157.91 RAD 6567.7 VEL 11.823 PTH 2.09 VMP 6.451 DPA 19.58 RAP 178.32 ECC 1.3030
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 36 55 1291.69 8.39 348.18 20.35 117.14 10 58 26 691.7 11.96 341.32
 90.00 14 49 41 5741.94 27.26 272.46 26.59 97.97 16 25 23 5141.9 28.08 263.89
 100.00 11 36 40 1098.78 6.53 333.00 19.34 119.24 11 54 59 498.8 10.37 326.32
 100.00 16 32 37 5410.09 29.36 248.33 26.88 95.88 18 2 47 4810.1 29.87 239.56
 110.00 12 3 15 1015.37 2.42 324.14 16.80 124.11 12 20 11 415.4 6.88 317.89
 110.00 18 22 31 5066.26 34.17 222.56 27.22 90.99 19 46 57 4466.3 33.93 213.32

DIFFERENTIAL CORRECTIONS

TDE 1.0346 TRA-1.3165 TC3 .4930 BAU .1631
 ROE .0988 RRA -.2512 RC3 .4429 FAU .04539
 FDE-2.2785 FRA 1.8277 FC3-2.1347 BSP 8045
 BDE 1.0393 BRA 1.3403 BC3 .6628 FSP -1134

MID-COURSE EXECUTION ACCURACY

SGT 2414.2 SGR 545.9 SG3 384.7
 RRT .8018 RRF -.8593 RTF -.9463
 SGB 2475.2 R23 -.1453 R13 -.9501
 SG1 2454.3 SG2 320.9 THA 10.46

ORBIT DETERMINATION ACCURACY

ST 1498.6 SR 172.6 SS 1754.7
 CRT .9537 CRS .9042 CST .9903
 LSA 2307.6 MSA 170.5 SSA 12.3
 EL1 1507.6 EL2 51.6 ALF 6.28

LAUNCH DATE MAY 10 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 340.980

RL 151.06 LAL -.00 LOL 228.67 VL 26.634 GAL 4.79 AZL 95.04 MCA 142.19 SMA 126.66 ECC .20935 INC 5.0403 V1 29.496
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.374 GAP -8.90 AZP 86.01 TAL 161.27 TAP 303.46 RCA 100.14 APO 153.17 V2 34.903
 RC 51.950 GL -33.23 GP 15.66 ZAL 64.61 ZAP 24.89 ETS 322.52 ZAE 145.36 ETE 45.16 ZAC 89.99 ETC 14.47 CLP -19.59

PLANETOCENTRIC CONIC

C3 18.103 VHL 4.255 DLA -26.24 RAL 156.49 RAD 6567.7 VEL 11.810 PTH 2.09 VHP 6.147 DPA 20.82 RAP 180.03 ECC 1.2979
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 2 40 1180.57 11.77 341.77 19.93 115.94 11 22 21 580.6 15.17 334.74
 90.00 14 12 33 5845.22 26.07 279.78 25.03 101.45 15 49 58 5245.2 27.39 271.36
 100.00 11 55 30 1009.98 9.45 328.02 18.72 118.49 12 12 20 410.0 13.18 321.22
 100.00 16 2 25 5491.04 28.65 254.24 25.55 98.92 17 33 56 4891.0 29.59 245.56
 110.00 12 13 51 952.39 4.82 320.84 15.90 123.88 12 29 43 352.4 9.24 314.54
 110.00 18 0 33 5121.40 34.02 226.86 26.24 93.53 19 25 54 4521.4 34.14 217.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0732 TRA-1.2736 TC3 .5277 BAU .1737
 RDE .1683 RRA -.2698 RC3 .4866 FAU .04850
 FDE-2.5469 FRA 1.8966 FC3-2.3196 BSP 8173
 BDE 1.0863 BRA 1.3018 BC3 .7178 FSP -1250

SGT 2438.5 SGR 622.1 SG3 421.2
 RRT .8492 RRF -.9062 RTF -.9495
 SGB 2516.6 R23 -.1623 R13 -.9545
 SG1 2496.1 SG2 321.0 TMA 12.43

ST 1555.0 SR 257.5 SS 1877.6
 CRT .9927 CRS .9689 CST .9910
 LSA 2445.7 MSA 167.6 SSA 11.4
 EL1 1575.8 EL2 30.7 ALF 9.34

LAUNCH DATE MAY 10 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 347.633

RL 151.06 LAL -.00 LOL 228.67 VL 26.705 GAL 4.61 AZL 95.29 MCA 145.37 SMA 127.12 ECC .20418 INC 5.2918 V1 29.496
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.436 GAP -8.29 AZP 85.64 TAL 161.44 TAP 306.81 RCA 101.16 APO 153.07 V2 34.914
 RC 53.515 GL -35.35 GP 17.81 ZAL 65.73 ZAP 27.98 ETS 322.41 ZAE 143.61 ETE 45.90 ZAC 88.66 ETC 14.15 CLP -21.93

PLANETOCENTRIC CONIC

C3 18.002 VHL 4.243 DLA -27.94 RAL 154.96 RAD 6567.7 VEL 11.806 PTH 2.09 VHP 5.870 DPA 22.41 RAP 181.81 ECC 1.2963
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 51 2 999.18 16.91 330.93 20.46 113.06 12 7 41 399.2 19.89 323.52
 90.00 13 12 2 735.97 23.08 314.11 22.84 106.87 13 24 18 136.0 25.18 306.06
 100.00 12 22 23 897.76 13.02 321.60 18.57 117.15 12 37 21 297.8 16.55 314.60
 100.00 15 23 21 5600.66 27.24 262.08 24.06 102.81 16 56 42 5000.7 28.73 253.59
 110.00 12 26 56 883.51 7.42 317.21 15.25 123.46 12 41 39 283.5 11.77 310.81
 110.00 17 35 19 5187.67 33.63 231.99 25.32 96.54 19 1 46 4587.7 34.17 222.79

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1167 TRA-1.2285 TC3 .5510 BAU .1848
 RDE .2540 RRA -.2942 RC3 .5348 FAU .05163
 FDE-2.8546 FRA 1.9599 FC3-2.4829 BSP 8302
 BDE 1.1452 BRA 1.2632 BC3 .7679 FSP -1372

SGT 2453.3 SGR 725.1 SG3 459.4
 RRT .8847 RRF -.9403 RTF -.9524
 SGB 2558.2 R23 -.1769 R13 -.9590
 SG1 2537.3 SG2 326.9 TMA 14.91

ST 1609.8 SR 368.8 SS 2007.8
 CRT .9995 CRS .9892 CST .9917
 LSA 2594.5 MSA 165.1 SSA 10.4
 EL1 1651.5 EL2 11.9 ALF 12.90

LAUNCH DATE MAY 10 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 354.270

RL 151.06 LAL -.00 LOL 228.67 VL 26.769 GAL 4.44 AZL 95.59 MCA 148.55 SMA 127.54 ECC .19947 INC 5.5876 V1 29.496
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.493 GAP -7.69 AZP 85.23 TAL 161.61 TAP 310.17 RCA 102.10 APO 152.98 V2 34.926
 RC 55.163 GL -37.60 GP 20.41 ZAL 66.91 ZAP 31.41 ETS 322.03 ZAE 141.71 ETE 47.25 ZAC 87.36 ETC 13.78 CLP -24.40

PLANETOCENTRIC CONIC

C3 18.138 VHL 4.259 DLA -29.74 RAL 153.33 RAD 6567.7 VEL 11.812 PTH 2.09 VHP 5.625 DPA 24.46 RAP 183.71 ECC 1.2985
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.51 11 7 28 1119.59 21.14 341.59 20.70 111.42 11 26 7 519.6 23.87 333.87
 99.49 13 42 33 619.06 21.16 304.81 20.71 111.40 13 52 52 19.1 23.88 297.08
 100.00 13 21 3 687.77 19.15 309.03 19.83 113.40 13 32 31 87.8 22.15 301.52
 100.00 14 11 39 5814.15 23.18 276.63 21.52 109.42 15 48 33 5214.2 25.62 268.67
 110.00 12 44 2 804.61 10.36 312.98 14.99 122.76 12 57 26 204.6 14.60 306.45
 110.00 17 5 10 5270.08 32.81 238.28 24.40 100.18 18 33 0 4670.1 33.87 229.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1681 TRA-1.1790 TC3 .5648 BAU .1977
 RDE .3628 RRA -.3247 RC3 .5878 FAU .05471
 FDE-3.2062 FRA 2.0079 FC3-2.6113 BSP 8488
 BDE 1.2231 BRA 1.2228 BC3 .8152 FSP -1503

SGT 2457.2 SGR 861.4 SG3 498.1
 RRT .9103 RRF -.9634 RTF -.9553
 SGB 2603.8 R23 -.1856 R13 -.9641
 SG1 2581.6 SG2 339.3 TMA 18.02

ST 1664.3 SR 511.1 SS 2145.1
 CRT .9992 CRS .9961 CST .9925
 LSA 2757.9 MSA 162.4 SSA 9.4
 EL1 1740.9 EL2 20.1 ALF 17.06

LAUNCH DATE MAY 10 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 360.890

RL 151.06 LAL -.00 LOL 228.67 VL 26.827 GAL 4.28 AZL 95.94 MCA 151.74 SMA 127.92 ECC .19521 INC 5.9429 V1 29.496
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.546 GAP -7.11 AZP 84.76 TAL 161.79 TAP 313.52 RCA 102.95 APO 152.89 V2 34.938
 RC 56.885 GL -40.01 GP 23.57 ZAL 68.17 ZAP 35.25 ETS 321.42 ZAE 139.53 ETE 49.20 ZAC 86.07 ETC 13.34 CLP -27.01

PLANETOCENTRIC CONIC

C3 18.565 VHL 4.309 DLA -31.66 RAL 151.56 RAD 6567.8 VEL 11.830 PTH 2.10 VHP 5.420 DPA 27.04 RAP 185.81 ECC 1.3055
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.20 10 21 44 1247.57 22.29 351.69 19.87 113.09 10 42 32 647.6 25.22 343.97
 104.80 14 14 11 5790.02 22.31 274.45 19.88 113.07 15 50 41 5190.0 25.24 266.73
 75.20 10 21 44 1247.57 22.29 351.69 19.87 113.09 10 42 32 647.6 25.22 343.97
 104.80 14 14 11 5790.02 22.31 274.45 19.88 113.07 15 50 41 5190.0 25.24 266.73
 110.00 13 8 47 705.51 13.95 307.55 15.35 121.53 13 20 32 105.5 18.02 300.81
 110.00 16 26 18 5380.07 31.19 246.44 23.28 104.76 17 55 58 4780.1 32.90 237.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2269 TRA-1.1280 TC3 .5603 BAU .2117
 RDE .5039 RRA -.3624 RC3 .6433 FAU .05728
 FDE-3.5971 FRA 2.0333 FC3-2.6712 BSP 8703
 BDE 1.3264 BRA 1.1848 BC3 .8531 FSP -1630

SGT 2449.6 SGR 1037.8 SG3 534.5
 RRT .9279 RRF -.9782 RTF -.9577
 SGB 2660.4 R23 -.1874 R13 -.9695
 SG1 2636.0 SG2 359.7 TMA 21.89

ST 1715.1 SR 691.5 SS 2284.3
 CRT .9978 CRS .9986 CST .9932
 LSA 2934.6 MSA 160.3 SSA 8.3
 EL1 1848.8 EL2 42.9 ALF 21.93

LAUNCH DATE MAY 10 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 367.494

RL 151.06 LAL -1.00 LOL 228.67 VL 26.879 GAL 4.14 AZL 96.38 MCA 154.92 SMA 128.27 ECC .19136 INC 6.3804 V1 29.496
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.595 GAP -6.55 A7P 84.22 TAL 161.96 TAP 316.88 RCA 103.72 APO 152.81 V2 34.951
 RC 58.673 GL -42.60 GP 27.43 ZAL 69.51 ZAP 39.59 ETS 320.61 ZAE 136.89 ETE 51.70 ZAC 84.77 ETC 12.81 CLP -29.75

PLANETOCENTRIC CONIC

C3 19.377 VHL 4.402 DLA -33.74 RAL 149.63 RAD 6567.8 VEL 11.864 PTH 2.10 VMP 5.269 OPA 30.29 RAP 188.24 ECC 1.3189
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.85 9 45 43 1345.39 23.38 359.72 19.28 115.05 10 8 8 745.4 26.55 352.03
 109.15 14 34 45 5712.38 23.39 269.02 19.28 115.04 16 9 58 5112.4 26.56 261.33
 70.85 9 45 43 1345.39 23.38 359.72 19.28 115.05 10 8 8 745.4 26.55 352.03
 109.15 14 34 45 5712.38 23.39 269.02 19.28 115.04 16 9 58 5112.4 26.56 261.33
 110.00 13 58 2 5824.67 19.72 275.77 17.30 118.50 15 35 6 5224.7 23.37 268.53
 110.00 15 21 37 5569.14 27.15 259.66 21.08 111.62 16 54 26 4969.1 29.83 251.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2958 TRA-1.0753 TC3 .5348 BAU .2276
 RDE .6913 RRA -.4075 RC3 .6972 FAU .05881
 FDE-4.0156 FRA 2.0204 FC3-2.6276 BSP 8972
 BDE 1.4687 BRA 1.1500 BC3 .8787 FSP -1739

SGT 2428.8 SGR 1262.2 SG3 564.4
 RRT .9395 RRF -.9872 RTF -.9598
 SGB 2737.2 R23 -.1805 R13 -.9752
 SG1 2709.6 SG2 387.7 TMA 26.61

ST 1760.7 SR 920.1 SS 2418.4
 CRT .9966 CRS .9995 CST .9938
 LSA 3125.7 MSA 198.7 SSA 7.3
 EL1 1985.5 EL2 67.0 ALF 27.54

LAUNCH DATE MAY 10 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 374.078

RL 151.06 LAL -1.00 LOL 228.67 VL 26.926 GAL 4.02 AZL 96.94 MCA 158.11 SMA 128.58 ECC .18792 INC 6.9364 V1 29.496
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.640 GAP -6.00 A7P 83.56 TAL 162.12 TAP 320.22 RCA 104.42 APO 152.74 V2 34.964
 RC 60.521 GL -45.42 GP 32.17 ZAL 70.96 ZAP 44.52 ETS 319.66 ZAE 133.56 ETE 54.66 ZAC 83.42 ETC 12.12 CLP -32.61

PLANETOCENTRIC CONIC

C3 20.741 VHL 4.554 DLA -35.99 RAL 147.47 RAD 6567.8 VEL 11.921 PTH 2.12 VMP 5.193 OPA 34.32 RAP 191.22 ECC 1.3413
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.79 9 13 34 1432.72 24.32 7.10 18.97 117.39 9 37 26 832.7 27.79 359.49
 113.21 14 49 40 5657.45 24.33 265.20 18.98 117.38 16 23 58 5057.4 27.80 257.59
 66.79 9 13 34 1432.72 24.32 7.10 18.97 117.39 9 37 26 832.7 27.79 359.49
 113.21 14 49 40 5657.45 24.33 265.20 18.98 117.38 16 23 58 5057.4 27.80 257.59
 66.79 9 13 34 1432.72 24.32 7.10 18.97 117.39 9 37 26 832.7 27.79 359.49
 113.21 14 49 40 5657.45 24.33 265.20 18.98 117.38 16 23 58 5057.4 27.80 257.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.3861 TRA-1.0173 TC3 .4975 BAU .2483
 RDE .9472 RRA -.4575 RC3 .7446 FAU .05892
 FDE-4.4430 FRA 1.9407 FC3-2.4392 BSP 9466
 BDE 1.6788 BRA 1.1154 BC3 .8955 FSP -1826

SGT 2397.6 SGR 1544.7 SG3 581.9
 RRT .9479 RRF -.9925 RTF -.9620
 SGB 2852.1 R23 -.1626 R13 -.9814
 SG1 2821.3 SG2 418.1 TMA 32.21

ST 1807.3 SR 1210.7 SS 2540.6
 CRT .9960 CRS .9998 CST .9945
 LSA 3341.0 MSA 156.3 SSA 6.3
 EL1 2173.5 EL2 89.4 ALF 33.78

LAUNCH DATE MAY 10 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 380.666

RL 151.06 LAL -1.00 LOL 228.67 VL 26.968 GAL 3.92 AZL 97.67 MCA 161.29 SMA 128.86 ECC .18490 INC 7.6717 V1 29.496
 RP 108.35 LAP -2.45 LOP 30.11 VP 37.682 GAP -5.47 A7P 82.73 TAL 162.24 TAP 323.53 RCA 105.04 APO 152.69 V2 34.977
 RC 62.420 GL -48.52 GP 37.99 ZAL 72.51 ZAP 50.10 ETS 318.60 ZAE 129.23 ETE 57.82 ZAC 81.96 ETC 11.17 CLP -35.53

PLANETOCENTRIC CONIC

C3 22.982 VHL 4.794 DLA -38.47 RAL 145.04 RAD 6567.9 VEL 12.015 PTH 2.14 VMP 5.232 OPA 39.23 RAP 195.13 ECC 1.3782
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.80 8 43 11 1518.22 25.00 14.47 19.07 120.24 9 8 29 918.2 28.82 7.00
 117.20 15 0 41 5621.53 25.02 262.70 19.08 120.23 16 34 22 5021.5 28.83 255.23
 62.80 8 43 11 1518.22 25.00 14.47 19.07 120.24 9 8 29 918.2 28.82 7.00
 117.20 15 0 41 5621.53 25.02 262.70 19.08 120.23 16 34 22 5021.5 28.83 255.23
 62.80 8 43 11 1518.22 25.00 14.47 19.07 120.24 9 8 29 918.2 28.82 7.00
 117.20 15 0 41 5621.53 25.02 262.70 19.08 120.23 16 34 22 5021.5 28.83 255.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2712 TRA-1.1836 TC3 .0381 BAU .1844
 RDE 1.2137 RRA -.6141 RC3 .5988 FAU .03882
 FDE-4.4586 FRA 2.1692 FC3-1.4624 BSP 4552
 BDE 1.7576 BRA 1.3335 BC3 .6000 FSP -1066

SGT 2361.0 SGR 1820.0 SG3 555.4
 RRT .9119 RRF -.9948 RTF -.9310
 SGB 2981.0 R23 -.2078 R13 -.9745
 SG1 2919.2 SG2 604.1 TMA 36.95

ST 1613.1 SR 1477.6 SS 2450.6
 CRT .9885 CRS 1.0000 CST .9875
 LSA 3277.6 MSA 219.9 SSA 5.4
 EL1 2181.4 EL2 165.0 ALF 42.46

LAUNCH DATE MAY 10 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 387.189

RL 151.06 LAL -1.00 LOL 228.67 VL 27.005 GAL 3.82 AZL 98.70 MCA 164.48 SMA 129.11 ECC .18218 INC 8.6968 V1 29.496
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.720 GAP -4.94 A7P 81.62 TAL 162.38 TAP 326.86 RCA 105.59 APO 152.63 V2 34.990
 RC 64.367 GL -52.02 GP 45.15 ZAL 74.33 ZAP 56.48 ETS 317.49 ZAE 123.59 ETE 60.94 ZAC 80.38 ETC 9.79 CLP -38.45

PLANETOCENTRIC CONIC

C3 26.720 VHL 5.169 DLA -41.19 RAL 142.07 RAD 6568.1 VEL 12.169 PTH 2.18 VMP 5.454 OPA 45.12 RAP 200.64 ECC 1.4397
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.74 8 12 38 1608.23 25.20 22.20 19.53 123.73 8 39 27 1008.2 29.44 14.98
 121.26 15 7 35 5605.63 25.21 261.49 19.54 123.72 16 41 1 5005.6 29.45 254.27
 58.74 8 12 38 1608.23 25.20 22.20 19.53 123.73 8 39 27 1008.2 29.44 14.98
 121.26 15 7 35 5605.63 25.21 261.49 19.54 123.72 16 41 1 5005.6 29.45 254.27
 58.74 8 12 38 1608.23 25.20 22.20 19.53 123.73 8 39 27 1008.2 29.44 14.98
 121.26 15 7 35 5605.63 25.21 261.49 19.54 123.72 16 41 1 5005.6 29.45 254.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.6379 TRA -.9457 TC3 .2938 BAU .2748
 RDE 1.7856 RRA -.5761 RC3 .7110 FAU .04632
 FDE-4.9884 FRA 1.5739 FC3-1.5008 BSP 9974
 BDE 2.4230 BRA 1.1074 BC3 .7693 FSP -1618

SGT 2308.3 SGR 2275.4 SG3 535.1
 RRT .9516 RRF -.9971 RTF -.9610
 SGB 3241.3 R23 -.1183 R13 -.9909
 SG1 3201.8 SG2 504.0 TMA 44.57

ST 1863.0 SR 1995.6 SS 2626.2
 CRT .9952 CRS 1.0000 CST .9949
 LSA 3784.6 MSA 162.4 SSA 4.5
 EL1 2726.7 EL2 134.1 ALF 46.98

LAUNCH DATE MAY 10 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

RL 151.06 LAL -.00 LOL 228.67 VL 27.037 GAL 3.74 AZL 100.24 HCA 167.65 SMA 129.33 ECC .17984 INC10.2358 V1 29.496
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.756 GAP -4.43 AZP 80.00 TAL 162.48 TAP 330.13 RCA 106.07 APO 152.59 V2 35.003
 RC 66.356 GL -55.93 GP 53.79 ZAL 76.39 ZAP 63.52 ETS 316.12 ZAE 116.31 ETE 63.25 ZAC 78.51 ETC 7.46 CLP -40.98

PLANETOCENTRIC CONIC

C3 33.502 VHL 5.788 OLA -44.16 RAL 138.48 RAD 6568.3 VEL 12.445 PTM 2.25 VMP 6.009 OPA 51.68 RAP 209.15 ECC 1.5514
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.58 7 41 9 1711.33 24.43 30.70 20.57 128.00 6 9 41 1111.3 29.18 23.90
 125.42 15 10 23 5615.88 24.45 261.78 20.58 127.99 16 43 59 5015.9 29.20 254.98
 54.58 7 41 9 1711.33 24.43 30.70 20.57 128.00 8 9 41 1111.3 29.18 23.90
 125.42 15 10 23 5615.88 24.45 261.78 20.58 127.99 16 43 59 5015.9 29.20 254.98
 54.58 7 41 9 1711.33 24.43 30.70 20.57 128.00 8 9 41 1111.3 29.18 23.90
 125.42 15 10 23 5615.88 24.45 261.78 20.58 127.99 16 43 59 5015.9 29.20 254.98

DIFFERENTIAL CORRECTIONS

TDE 1.9412 TRA -.9023 TC3 .2114 BAU .2883
 ROE 2.5078 RRA -.5924 RC3 .6079 FAU .03502
 FDE-4.9598 FRA 1.1900 FC3 -.9051 BSP 11132
 BDE 3.1713 BRA 1.0794 BC3 .6436 FSP -1400

MID-COURSE EXECUTION ACCURACY

SGT 2302.7 SGR 2706.6 SG3 456.4
 RRT .9563 RRF -.9980 RTF -.9648
 SGB 3553.6 R23 -.0878 R13 -.9948
 SG1 3515.6 SG2 518.5 TMA 49.82

ORBIT DETERMINATION ACCURACY

ST 1957.6 SR 2494.6 SS 2561.7
 CRT .9956 CRS 1.0000 CST .9958
 LSA 4073.3 MSA 159.3 SSA 3.6
 EL1 3167.7 EL2 144.1 ALF 51.91

LAUNCH DATE MAY 10 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

RL 151.06 LAL -.00 LOL 228.67 VL 27.066 GAL 3.68 AZL 102.82 HCA 170.82 SMA 129.53 ECC .17785 INC12.8202 V1 29.496
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.788 GAP -3.94 AZP 77.34 TAL 162.54 TAP 333.36 RCA 106.49 APO 152.56 V2 35.016
 RC 68.382 GL -60.24 GP 64.04 ZAL 78.86 ZAP 71.00 ETS 313.26 ZAE 107.13 ETE 63.04 ZAC 76.23 ETC 2.54 CLP -41.95

PLANETOCENTRIC CONIC

C3 47.668 VHL 6.904 OLA -47.22 RAL 133.91 RAD 6568.8 VEL 13.001 PTM 2.37 VMP 7.238 OPA 58.06 RAP 223.30 ECC 1.7845
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 50.48 7 7 46 1839.27 21.79 40.16 22.19 133.00 7 38 25 1239.3 27.11 34.02
 129.52 15 7 19 5665.78 21.80 263.97 22.20 132.99 16 41 45 5065.8 27.12 257.82
 50.48 7 7 46 1839.27 21.79 40.16 22.19 133.00 7 38 25 1239.3 27.11 34.02
 129.52 15 7 19 5665.78 21.80 263.97 22.20 132.99 16 41 45 5065.8 27.12 257.82
 50.48 7 7 46 1839.27 21.79 40.16 22.19 133.00 7 38 25 1239.3 27.11 34.02
 129.52 15 7 19 5665.78 21.80 263.97 22.20 132.99 16 41 45 5065.8 27.12 257.82

DIFFERENTIAL CORRECTIONS

TDE 2.6078 TRA -.9012 TC3 .1170 BAU .2625
 ROE 3.5489 RRA -.5260 RC3 .3949 FAU .01928
 FDE-4.5494 FRA .7544 FC3 -.3501 BSP 12278
 BDE 4.4040 BRA 1.0435 BC3 .4119 FSP -1035

MID-COURSE EXECUTION ACCURACY

SGT 2433.6 SGR 3063.3 SG3 338.4
 RRT .9617 RRF -.9982 RTF -.9720
 SGB 3912.3 R23 -.0625 R13 -.9972
 SG1 3876.7 SG2 527.0 TMA 51.79

ORBIT DETERMINATION ACCURACY

ST 2189.2 SR 2951.4 SS 2367.3
 CRT .9963 CRS 1.0000 CST .9969
 LSA 4368.4 MSA 158.1 SSA 2.8
 EL1 3671.6 EL2 151.5 ALF 53.46

LAUNCH DATE MAY 10 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

RL 151.06 LAL -.00 LOL 228.67 VL 27.090 GAL 3.64 AZL 108.07 HCA 173.95 SMA 129.69 ECC .17622 INC18.0738 V1 29.496
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.818 GAP -3.46 AZP 72.02 TAL 162.53 TAP 336.48 RCA 106.84 APO 152.55 V2 35.029
 RC 70.443 GL -64.42 GP 75.86 ZAL 81.86 ZAP 78.39 ETS 298.73 ZAE 95.59 ETE 49.80 ZAC 73.06 ETC 34.32 CLP -34.53

PLANETOCENTRIC CONIC

C3 86.470 VHL 9.299 OLA -49.70 RAL 128.18 RAD 6569.7 VEL 14.416 PTM 2.62 VMP 10.173 OPA 61.75 RAP 246.92 ECC 2.4231
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 47.28 6 34 5 2008.33 15.62 50.17 24.46 137.81 7 7 33 1408.3 21.46 44.82
 132.72 14 55 19 5781.91 15.63 268.77 24.47 137.81 16 31 40 5181.9 21.47 263.42
 47.28 6 34 5 2008.33 15.62 50.17 24.46 137.81 7 7 33 1408.3 21.46 44.82
 132.72 14 55 19 5781.91 15.63 268.77 24.47 137.81 16 31 40 5181.9 21.47 263.42
 47.28 6 34 5 2008.33 15.62 50.17 24.46 137.81 7 7 33 1408.3 21.46 44.82
 132.72 14 55 19 5781.91 15.63 268.77 24.47 137.81 16 31 40 5181.9 21.47 263.42

DIFFERENTIAL CORRECTIONS

TDE 4.9927 TRA -.9975 TC3 .0137 BAU .1108
 ROE 4.5007 RRA -.1300 RC3 .0949 FAU .00184
 FDE-3.8175 FRA .3699 FC3 -.0184 BSP 13190
 BDE 6.7219 BRA 1.0059 BC3 .0959 FSP -616

MID-COURSE EXECUTION ACCURACY

SGT 3219.8 SGR 2781.5 SG3 205.5
 RRT .9662 RRF -.9934 RTF -.9886
 SGB 4254.9 R23 -.0377 R13 -.9989
 SG1 4219.6 SG2 547.2 TMA 40.68

ORBIT DETERMINATION ACCURACY

ST 3099.5 SR 2773.4 SS 2069.6
 CRT .9969 CRS .9995 CST .9989
 LSA 4636.0 MSA 164.6 SSA 1.5
 EL1 4148.5 EL2 163.0 ALF 41.90

LAUNCH DATE MAY 10 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

RL 151.06 LAL -.00 LOL 228.67 VL 27.110 GAL 3.64 AZL 123.92 HCA 176.93 SMA 129.83 ECC .17508 INC33.9173 V1 29.496
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.843 GAP -3.05 AZP 56.12 TAL 162.35 TAP 339.29 RCA 107.10 APO 152.56 V2 35.042
 RC 72.534 GL -64.61 GP 80.73 ZAL 85.46 ZAP 84.83 ETS 197.66 ZAE 78.72 ETE 309.10 ZAC 66.91 ETC 236.41 CLP 56.00

PLANETOCENTRIC CONIC

C3 279.255 VHL 16.711 OLA -47.88 RAL 123.34 RAD 6571.6 VEL 20.014 PTM 3.14 VMP 19.692 OPA 56.30 RAP 279.37 ECC 5.5958
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.63 6 22 38 2196.10 4.88 56.70 28.90 137.69 6 59 14 1596.1 10.77 51.64
 130.37 14 28 10 719.74 4.89 301.17 28.92 137.69 14 40 9 119.7 10.78 296.11
 49.63 6 22 38 2196.10 4.88 56.70 28.90 137.69 6 59 14 1596.1 10.77 51.64
 130.37 14 28 10 719.74 4.89 301.17 28.92 137.69 14 40 9 119.7 10.78 296.11
 49.63 6 22 38 2196.10 4.88 56.70 28.90 137.69 6 59 14 1596.1 10.77 51.64
 130.37 14 28 10 719.74 4.89 301.17 28.92 137.69 14 40 9 119.7 10.78 296.11

DIFFERENTIAL CORRECTIONS

TDE 9.0717 TRA .5820 TC3 -.1272 BAU .8656
 ROE-8.6974 RRA 1.2288 RC3 .1939 FAU-.02044
 FDE-3.3720 FRA .2054 FC3 .0634 BSP 13473
 BDE12.5675 BRA 1.3597 BC3 .2319 FSP -302

MID-COURSE EXECUTION ACCURACY

SGT 3153.4 SGR 3115.6 SG3 102.0
 RRT -.9531 RRF .9930 RTF -.9822
 SGB 4432.9 R23 -.0372 R13 .9993
 SG1 4380.6 SG2 678.8 TMA 135.36

ORBIT DETERMINATION ACCURACY

ST 3111.7 SR 2988.0 SS 1967.8
 CRT -.9958 CRS -.9994 CST .9984
 LSA 4737.5 MSA 199.0 SSA .5
 EL1 4309.5 EL2 197.9 ALF 136.17

LAUNCH DATE MAY 10 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 421.089

RL 151.06 LAL -1.00 LOL 228.67 VL 27.127 GAL 3.30 AZL 23.06 MCA 181.68 SMA 129.95 ECC .17204 INC66.9351 V1 29.496
 RP 108.10 LAP -1.55 LOP 49.32 VP 37.869 GAP -2.12 AZP 156.93 TAL 163.77 TAP 345.45 RCA 107.59 APO 152.31 V2 35.056
 RC 74.652 GL 52.79 GP -58.12 ZAL 87.88 ZAP 88.40 ETS 173.92 ZAE 65.95 ETE 63.33 ZAC 83.43 ETC 135.67 CLP 86.98

PLANETOCENTRIC CONIC

C3 978.865 VHL 31.287 DLA 61.43 RAL 177.20 RAD 6572.9 VEL 33.169 PTM 3.50 VMP 41.866 DPA -70.56 RAP 4.14 ECC17.1096
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 32.90 21 7 22 5045.66 .30 241.48 87.38 28.57 22 31 28 4445.7 -6.72 238.05
 147.10 6 53 7 3362.21 .31 102.64 87.36 28.57 7 49 9 2762.2 -6.71 99.22
 32.90 21 7 22 5045.66 .30 241.48 87.38 28.57 22 31 28 4445.7 -6.72 238.05
 147.10 6 53 7 3362.21 .31 102.64 87.36 28.57 7 49 9 2762.2 -6.71 99.22
 32.90 21 7 22 5045.66 .30 241.48 87.38 28.57 22 31 28 4445.7 -6.72 238.05
 147.10 6 53 7 3362.21 .31 102.64 87.36 28.57 7 49 9 2762.2 -6.71 99.22

DIFFERENTIAL CORRECTIONS

TDE -5.4742 TRA -3.0643 TC3 -.1426 BAU 4.0229
 ROE -4.9381 RRA -8.2826 RC3 -.2724 FAU -.06921
 FDE 1.1918 FRA 1.8514 FC3 .0612 BSP 8078
 BDE 7.3724 BRA 8.8312 BC3 .3074 FSP -149

MID-COURSE EXECUTION ACCURACY

SGT 1782.6 SGR 3712.4 SG3 72.1
 RRT .9291 RRF -.9998 RTF -.9356
 SGB 4118.2 R23 -.0494 R13 -.9988
 SG1 4074.2 SG2 600.7 TMA 65.39

ORBIT DETERMINATION ACCURACY

ST 1062.8 SR 1313.7 SS 1103.1
 CRT .8902 CRS .9993 CST .9070
 LSA 1976.2 MSA 408.5 SSA .4
 EL1 1645.0 EL2 386.7 ALF 51.74

LAUNCH DATE MAY 10 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 426.623

RL 151.06 LAL -1.00 LOL 228.67 VL 27.141 GAL 3.45 AZL 70.42 MCA 184.10 SMA 130.04 ECC .17212 INC19.5791 V1 29.496
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.891 GAP -1.88 AZP 109.53 TAL 163.00 TAP 347.10 RCA 107.66 APO 152.43 V2 35.069
 RC 76.795 GL 65.41 GP -86.00 ZAL 82.92 ZAP 86.02 ETS 63.58 ZAE 95.97 ETE 317.60 ZAC 100.64 ETC 31.05 CLP 6.46

PLANETOCENTRIC CONIC

C3 99.685 VHL 9.984 DLA 64.40 RAL 208.46 RAD 6569.9 VEL 14.867 PTM 2.68 VMP 14.612 DPA -68.55 RAP 104.79 ECC 2.6406
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 29.39 23 3 39 4782.08 -16.68 236.27 110.21 26.81 24 23 21 4182.1 -23.78 232.75
 150.61 9 6 11 3070.46 -16.67 93.34 110.20 26.81 9 57 21 2470.5 -23.77 89.82
 29.39 23 3 39 4782.08 -16.68 236.27 110.21 26.81 24 23 21 4182.1 -23.78 232.75
 150.61 9 6 11 3070.46 -16.67 93.34 110.20 26.81 9 57 21 2470.5 -23.77 89.82
 29.39 23 3 39 4782.08 -16.68 236.27 110.21 26.81 24 23 21 4182.1 -23.78 232.75
 150.61 9 6 11 3070.46 -16.67 93.34 110.20 26.81 9 57 21 2470.5 -23.77 89.82

DIFFERENTIAL CORRECTIONS

TDE 1.4819 TRA -2.4635 TC3 -.0154 BAU .0632
 ROE .1008 RRA 2.5026 RC3 -.0448 FAU .00191
 FDE -.3863 FRA 1.1240 FC3 -.0166 BSP 14682
 BDE 1.4854 BRA 3.5117 BC3 .0474 FSP -417

MID-COURSE EXECUTION ACCURACY

SGT 3381.1 SGR 3326.0 SG3 130.4
 RRT -.9627 RRF .9864 RTF -.9938
 SGB 4742.8 R23 .0247 R13 .9996
 SG1 4698.3 SG2 647.7 TMA 135.49

ORBIT DETERMINATION ACCURACY

ST 1298.8 SR 999.0 SS 630.9
 CRT -.7166 CRS -.8690 CST .9678
 LSA 1652.9 MSA 592.4 SSA .9
 EL1 1527.7 EL2 592.3 ALF 145.16

LAUNCH DATE MAY 10 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 432.891

RL 151.06 LAL -1.00 LOL 228.67 VL 27.152 GAL 3.48 AZL 80.37 MCA 187.18 SMA 130.12 ECC .17168 INC 9.6319 V1 29.496
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.911 GAP -1.47 AZP 99.56 TAL 162.79 TAP 349.97 RCA 107.78 APO 152.46 V2 35.082
 RC 78.958 GL 56.16 GP -76.37 ZAL 76.82 ZAP 85.06 ETS 20.72 ZAE 108.54 ETE 276.95 ZAC 105.76 ETC 355.23 CLP -68.58

PLANETOCENTRIC CONIC

C3 29.809 VHL 5.460 DLA 55.83 RAL 198.66 RAD 6568.2 VEL 12.296 PTM 2.21 VMP 8.596 DPA -58.32 RAP 122.90 ECC 1.4906
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 39.64 22 50 30 4442.28 -30.96 215.41 84.65 40.91 24 4 32 3842.3 -36.84 209.29
 140.36 8 1 11 2826.19 -30.95 85.09 84.63 40.91 8 48 17 2226.2 -36.83 78.97
 39.64 22 50 30 4442.28 -30.96 215.41 84.65 40.91 24 4 32 3842.3 -36.84 209.29
 140.36 8 1 11 2826.19 -30.95 85.09 84.63 40.91 8 48 17 2226.2 -36.83 78.97
 39.64 22 50 30 4442.28 -30.96 215.41 84.65 40.91 24 4 32 3842.3 -36.84 209.29
 140.36 8 1 11 2826.19 -30.95 85.09 84.63 40.91 8 48 17 2226.2 -36.83 78.97

DIFFERENTIAL CORRECTIONS

TDE .5460 TRA -1.462 TC3 -.0755 BAU .3986
 RDE -.0764 RRA 2.4381 RC3 -.9974 FAU .02392
 FDE -.1396 FRA 1.5574 FC3 -.6946 BSP 14593
 BDE .5513 BRA 2.4424 BC3 1.0002 FSP -827

MID-COURSE EXECUTION ACCURACY

SGT 640.1 SGR 4684.6 SG3 260.1
 RRT -.4004 RRF .9993 RTF -.4236
 SGB 4728.1 R23 .0187 R13 .9995
 SG1 4691.7 SG2 585.7 TMA 93.18

ORBIT DETERMINATION ACCURACY

ST 578.8 SR 1369.4 SS 657.7
 CRT -.1992 CRS -.9942 CST .3032
 LSA 1523.9 MSA 566.1 SSA 1.8
 EL1 1375.2 EL2 564.8 ALF 95.79

LAUNCH DATE MAY 10 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 439.241

RL 151.06 LAL -1.00 LOL 228.67 VL 27.160 GAL 3.50 AZL 84.32 MCA 190.34 SMA 130.17 ECC .17138 INC 5.6800 V1 29.496
 RP 107.98 LAP -1.02 LOP 58.96 VP 37.928 GAP -1.03 AZP 95.59 TAL 162.62 TAP 352.96 RCA 107.86 APO 152.48 V2 35.094
 RC 81.139 GL 43.63 GP -67.40 ZAL 71.13 ZAP 85.86 ETS 10.90 ZAE 117.32 ETE 268.42 ZAC 109.11 ETC 351.94 CLP -79.18

PLANETOCENTRIC CONIC

C3 15.121 VHL 3.889 DLA 44.96 RAL 188.53 RAD 6567.6 VEL 11.684 PTM 2.05 VMP 6.303 DPA -50.07 RAP 130.05 ECC 1.2489
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 53.49 22 54 46 4174.14 -32.51 189.71 58.89 57.04 24 4 20 3574.1 -36.58 181.76
 126.51 6 36 5 2769.24 -32.49 80.91 58.88 57.03 7 22 14 2169.2 -36.58 72.97
 53.49 22 54 46 4174.14 -32.51 189.71 58.89 57.04 24 4 20 3574.1 -36.58 181.76
 126.51 6 36 5 2769.24 -32.49 80.91 58.88 57.03 7 22 14 2169.2 -36.58 72.97
 53.49 22 54 46 4174.14 -32.51 189.71 58.89 57.04 24 4 20 3574.1 -36.58 181.76
 126.51 6 36 5 2769.24 -32.49 80.91 58.88 57.03 7 22 14 2169.2 -36.58 72.97

DIFFERENTIAL CORRECTIONS

TDE .3323 TRA .1491 TC3 -.5027 BAU .4655
 RDE .0491 RRA 2.0124 RC3 -2.2473 FAU .04573
 FDE -.0320 FRA 2.1871 FC3 -2.6181 BSP 14173
 BDE .3360 BRA 2.0179 BC3 2.3028 FSP -1368

MID-COURSE EXECUTION ACCURACY

SGT 699.3 SGR 4540.8 SG3 431.0
 RRT .6361 RRF .9994 RTF .6269
 SGB 4594.4 R23 .0231 R13 .9992
 SG1 4562.9 SG2 537.0 TMA 84.33

ORBIT DETERMINATION ACCURACY

ST 498.6 SR 1260.3 SS 745.3
 CRT .2438 CRS -.9958 CST -.1537
 LSA 1467.6 MSA 488.3 SSA 2.9
 EL1 1267.1 EL2 481.0 ALF 83.56

LAUNCH DATE MAY 10 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

RL 151.06 LAL -.00 LOL 228.67 VL 27.165 GAL 3.54 AZL 86.43 MCA 193.53 SMA 130.21 ECC .17129 INC 3.5693 V1 29.496
 RP 107.94 LAP -.83 LOP 62.17 VP 37.944 GAP -.59 AZP 93.47 TAL 162.43 TAP 355.96 RCA 107.90 APO 152.51 V2 35.107
 RC 83.336 GL 31.58 GP -60.02 ZAL 66.73 ZAP 88.12 ETS 4.38 ZAE 124.14 ETE 261.86 ZAC 111.99 ETC 351.35 CLP -86.24

PLANETOCENTRIC CONIC

C3 10.392 VHL 3.224 OLA 34.10 RAL 181.60 RAD 6567.4 VEL 11.480 PTH 2.00 VMP 5.157 DPA -42.90 RAP 133.60 ECC 1.1710
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.15 23 47 12 3864.79 -27.33 160.85 41.88 68.75 24 51 37 3264.8 -29.96 152.65
 109.85 4 48 22 2918.69 -27.32 90.28 41.88 68.74 5 37 1 2318.7 -29.95 82.09
 70.15 23 47 12 3864.79 -27.33 160.85 41.88 68.75 24 51 37 3264.8 -29.96 152.65
 109.85 4 48 22 2918.69 -27.32 90.28 41.88 68.74 5 37 1 2318.7 -29.95 82.09
 110.00 5 6 54 2862.20 -28.65 86.43 42.44 70.51 5 54 36 2262.2 -31.04 78.05
 110.00 4 31 47 2969.27 -26.01 93.63 41.28 66.99 5 21 16 2369.3 -28.89 85.64

DIFFERENTIAL CORRECTIONS

TDE .1213 TRA .3215 TC3-1.1765 BAU .4803 SGT 1092.7 SGR 4284.7 SG3 612.9 ORBIT DETERMINATION ACCURACY
 RDE -.0508 RRA 1.7406 RC3-3.2503 FAU .06743 RRT .8829 RRF .9992 RTF .8788 ST 431.0 SR 1126.2 SS 831.2
 FDE -.2044 FRA 2.8365 FC3-5.6176 BSP 13732 SGB 4421.8 R23 .0333 R13 .9987 CRT .4107 CRS -.9933 CST -.3028
 BDE .2183 BRA 1.7700 BC3 3.4567 FSP -1963 SG1 4393.4 SG2 500.4 THA 77.14 LSA 1407.6 MSA 404.5 SSA 4.3
 EL1 1141.9 EL2 387.6 ALF 79.89

LAUNCH DATE MAY 10 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

RL 151.06 LAL -.00 LOL 228.67 VL 27.167 GAL 3.58 AZL 87.75 MCA 196.73 SMA 130.23 ECC .17141 INC 2.2526 V1 29.496
 RP 107.91 LAP -.65 LOP 65.39 VP 37.957 GAP -.15 AZP 92.16 TAL 162.22 TAP 358.95 RCA 107.90 APO 152.55 V2 35.119
 RC 85.546 GL 21.34 GP -53.71 ZAL 63.75 ZAP 91.46 ETS 359.26 ZAE 129.48 ETE 255.17 ZAC 114.68 ETC 351.52 CLP -92.46

PLANETOCENTRIC CONIC

C3 8.575 VHL 2.928 OLA 24.66 RAL 177.02 RAD 6567.3 VEL 11.400 PTH 1.97 VMP 4.505 DPA -36.53 RAP 135.42 ECC 1.1411
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 7 25 2936.79 -28.24 91.82 33.23 87.80 4 56 22 2336.8 -28.24 83.16
 90.00 23 51 37 3771.48 -13.33 147.60 29.35 64.79 24 54 28 3171.5 -16.62 140.47
 100.00 5 50 26 2604.67 -29.89 67.42 33.26 90.38 6 33 51 2004.7 -29.52 58.63
 100.00 0 55 13 3578.84 -11.85 132.70 28.60 62.36 1 54 52 2978.8 -15.46 125.76
 110.00 7 40 27 2260.49 -33.65 41.02 33.00 96.43 8 18 7 1660.5 -32.39 32.01
 110.00 1 21 42 3495.78 -8.61 124.47 26.66 56.79 2 19 57 2895.8 -12.92 118.03

DIFFERENTIAL CORRECTIONS

TDE .0971 TRA .4725 TC3-1.9345 BAU .4809 SGT 1534.4 SGR 3979.9 SG3 783.3 ORBIT DETERMINATION ACCURACY
 RDE -.1758 RRA 1.5382 RC3-3.7229 FAU .08667 RRT .9454 RRF .9990 RTF .9428 ST 361.0 SR 1053.4 SS 969.3
 FDE -.5732 FRA 3.4343 FC3-8.7512 BSP 13210 SGB 4265.5 R23 .0462 R13 .9980 CRT .6313 CRS -.9910 CST -.5218
 BDE .2008 BRA 1.6091 BC3 4.1955 FSP -2517 SG1 4239.6 SG2 469.2 THA 69.71 LSA 1444.4 MSA 305.6 SSA 6.3
 EL1 1079.5 EL2 273.2 ALF 76.94

LAUNCH DATE MAY 10 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

RL 151.06 LAL -.00 LOL 228.67 VL 27.168 GAL 3.64 AZL 88.65 MCA 199.94 SMA 130.23 ECC .17176 INC 1.3485 V1 29.496
 RP 107.87 LAP -.46 LOP 68.60 VP 37.968 GAP .28 AZP 91.27 TAL 161.96 TAP 1.90 RCA 107.86 APO 152.60 V2 35.131
 RC 87.767 GL 13.16 GP -48.19 ZAL 61.86 ZAP 95.52 ETS 355.12 ZAE 133.50 ETE 248.01 ZAC 117.21 ETC 352.09 CLP -98.30

PLANETOCENTRIC CONIC

C3 7.859 VHL 2.803 OLA 16.97 RAL 173.95 RAD 6567.3 VEL 11.369 PTH 1.96 VMP 4.113 DPA -30.83 RAP 136.30 ECC 1.1293
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 30 39 2573.73 -26.35 65.55 26.30 100.75 6 13 33 1973.7 -24.60 57.32
 90.00 22 3 54 4102.06 -3.12 166.51 22.65 61.84 23 12 17 3502.1 -6.86 159.83
 100.00 7 1 42 2280.12 -27.36 43.72 26.07 102.54 7 39 42 1680.1 -25.36 35.49
 100.00 23 15 33 3870.90 -2.22 149.02 22.15 60.18 24 20 4 3270.9 -6.17 142.47
 110.00 8 31 20 1999.65 -29.95 21.63 25.28 107.31 9 4 40 1399.6 -27.29 13.45
 110.00 0 6 20 3724.14 .05 136.47 20.73 55.82 1 8 24 3124.1 -4.43 130.26

DIFFERENTIAL CORRECTIONS

TDE -.0274 TRA .6170 TC3-2.6443 BAU .4824 SGT 1984.8 SGR 3646.6 SG3 926.5 ORBIT DETERMINATION ACCURACY
 RDE -.2743 RRA 1.3688 RC3-3.7531 FAU .10241 RRT .9682 RRF .9987 RTF .9660 ST 401.9 SR 1043.2 SS 1175.1
 FDE -1.0450 FRA 3.9273 FC-11.2807 BSP 12832 SGB 4151.8 R23 .0602 R13 .9969 CRT .9092 CRS -.9909 CST -.8454
 BDE .2757 BRA 1.5015 BC3 4.5911 FSP -2997 SG1 4128.6 SG2 438.7 THA 61.87 LSA 1607.4 MSA 216.4 SSA 9.1
 EL1 1106.8 EL2 157.7 ALF 70.28

LAUNCH DATE MAY 10 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

RL 151.06 LAL -.00 LOL 228.67 VL 27.166 GAL 3.71 AZL 89.31 MCA 203.16 SMA 130.21 ECC .17231 INC .6867 V1 29.496
 RP 107.83 LAP -.27 LOP 71.82 VP 37.977 GAP .71 AZP 90.63 TAL 161.67 TAP 4.82 RCA 107.78 APO 152.65 V2 35.143
 RC 89.996 GL 6.76 GP -43.31 ZAL 60.64 ZAP 100.01 ETS 351.82 ZAE 136.31 ETE 240.51 ZAC 119.55 ETC 352.99 CLP -103.83

PLANETOCENTRIC CONIC

C3 7.639 VHL 2.764 OLA 10.86 RAL 171.88 RAD 6567.2 VEL 11.359 PTH 1.96 VMP 3.877 DPA -25.70 RAP 136.65 ECC 1.1257
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 16 48 2354.40 -22.70 50.54 21.94 107.40 6 56 3 1754.4 -20.10 42.83
 90.00 21 1 13 4311.00 3.61 178.18 19.47 61.90 22 13 4 3711.0 -.17 171.54
 100.00 7 43 35 2074.54 -23.53 29.66 21.65 108.98 8 18 9 1474.5 -20.73 21.98
 100.00 22 17 7 4066.09 4.39 159.75 19.04 60.40 23 24 54 3466.1 .41 153.21
 110.00 9 4 8 1822.45 -25.74 9.57 20.71 113.31 9 34 31 1222.4 -22.36 2.05
 110.00 23 13 3 3890.94 6.40 145.21 17.79 56.35 24 17 54 3290.9 1.94 138.97

DIFFERENTIAL CORRECTIONS

TDE -.1622 TRA .7574 TC3-3.2519 BAU .4890 SGT 2429.0 SGR 3303.7 SG3 1034.4 ORBIT DETERMINATION ACCURACY
 RDE -.3376 RRA 1.2217 RC3-3.5147 FAU .11389 RRT .9783 RRF .9982 RTF .9765 ST 588.3 SR 1044.8 SS 1406.4
 FDE -1.5394 FRA 4.2965 FC-12.9070 BSP 12646 SGB 4100.6 R23 .0728 R13 .9955 CRT .9917 CRS -.9916 CST -.9675
 BDE .3745 BRA 1.4374 BC3 4.7883 FSP -3369 SG1 4080.2 SG2 407.8 THA 53.86 LSA 1841.3 MSA 158.8 SSA 12.3
 EL1 1197.2 EL2 65.8 ALF 60.73

LAUNCH DATE MAY 10 1967

FLIGHT TIME 174.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 470.928

RL 151.06 LAL -.00 LOL 228.67 VL 27.162 GAL 3.79 AZL 89.82 MCA 206.38 SMA 130.19 ECC .17307 INC .1767 V1 29.496
 RP 107.80 LAP -.08 LOP 75.05 VP 37.985 GAP 1.14 AZP 90.16 TAL 161.33 TAP 7.71 RCA 107.65 APO 152.72 V2 35.154
 RC 92.232 GL 1.75 GP -38.97 ZAL 59.77 ZAP 104.70 ETS 349.20 ZAE 138.03 ETE 232.97 ZAC 121.64 ETC 354.15 CLP-109.05

PLANETOCENTRIC CONIC

C3 7.671 VHL 2.770 DLA 6.00 RAL 170.49 RAD 6567.2 VEL 11.361 PTH 1.96 VHP 3.743 DPA -21.10 RAP 136.74 ECC 1.1262
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 49 36 2198.42 -19.17 40.46 19.44 111.25 7 26 14 1598.4 -16.12 33.12
 90.00 20 17 22 4468.50 8.59 187.07 18.03 62.91 21 31 50 3868.5 4.89 180.35
 100.00 8 13 47 1926.88 -19.95 20.16 19.10 112.74 8 45 54 1326.9 -16.69 12.88
 100.00 21 35 51 4215.26 9.33 168.06 17.63 61.47 22 46 7 3615.3 5.45 161.42
 110.00 9 28 32 1692.93 -22.00 1.38 18.09 116.85 9 56 45 1092.9 -18.22 354.29
 110.00 22 37 35 4021.99 11.28 152.23 16.47 57.51 23 44 37 3422.0 6.91 145.85

DIFFERENTIAL CORRECTIONS

TDE -.3044 TRA .8948 TC3-3.7406 BAU .5015
 RDE -.3689 RRA 1.0922 RC3-3.1497 FAU .12090
 FDE-1.9962 FRA 4.5404 FC-13.6444 BSP 12665
 BDE .4783 BRA 1.4119 BC3 4.8901 FSP -3620

MID-COURSE EXECUTION ACCURACY

SGT 2855.5 SGR 2964.5 SG3 1104.4
 RRT .9834 RRF .9975 RTF .9819
 SGB 4116.1 R23 .0817 R13 .9941
 SG1 4098.9 SG2 375.2 TMA 46.09

ORBIT DETERMINATION ACCURACY

ST 843.9 SR 1024.6 SS 1621.3
 CRT .9997 CRS -.9919 CST -.9919
 LSA 2091.3 MSA 130.2 SSA 14.9
 EL1 1327.3 EL2 14.9 ALF 50.52

LAUNCH DATE MAY 10 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 477.218

RL 151.06 LAL -.00 LOL 228.67 VL 27.156 GAL 3.89 AZL 90.23 MCA 209.60 SMA 130.15 ECC .17405 INC .2249 V1 29.496
 RP 107.77 LAP .11 LOP 78.27 VP 37.991 GAP 1.56 AZP 89.80 TAL 160.96 TAP 10.56 RCA 107.49 APO 152.80 V2 35.165
 RC 94.474 GL -2.19 GP -35.10 ZAL 59.07 ZAP 109.41 ETS 347.17 ZAE 138.81 ETE 225.76 ZAC 123.42 ETC 355.54 CLP-113.96

PLANETOCENTRIC CONIC

C3 7.848 VHL 2.801 DLA 2.10 RAL 169.60 RAD 6567.3 VEL 11.368 PTH 1.96 VHP 3.682 DPA -17.00 RAP 136.73 ECC 1.1292
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 15 22 2080.59 -16.11 33.17 18.12 113.61 7 50 3 1480.6 -12.78 26.08
 90.00 19 44 29 4594.66 12.41 194.37 17.61 64.34 21 1 4 3994.7 8.86 187.50
 100.00 8 37 41 1815.07 -16.86 13.29 17.76 115.06 9 7 56 1215.1 -13.34 6.27
 100.00 21 4 51 4335.41 13.15 174.93 17.24 62.91 22 17 7 3735.4 9.42 168.14
 110.00 9 48 10 1594.46 -18.85 355.48 16.69 119.06 10 14 45 994.5 -14.83 348.66
 110.00 22 10 52 4128.79 15.11 158.13 16.12 58.97 23 19 40 3528.8 10.88 151.57

DIFFERENTIAL CORRECTIONS

TDE -.4501 TRA 1.0308 TC3-4.1117 BAU .5184
 RDE -.3743 RRA .9800 RC3-2.7399 FAU .12339
 FDE-2.3751 FRA 4.6794 FC-13.6116 BSP 12842
 BDE .5853 BRA 1.4223 BC3 4.9410 FSP -3737

MID-COURSE EXECUTION ACCURACY

SGT 3256.5 SGR 2639.2 SG3 1138.0
 RRT .9858 RRF .9964 RTF .9849
 SGB 4191.7 R23 .0854 R13 .9928
 SG1 4177.4 SG2 345.8 TMA 38.94

ORBIT DETERMINATION ACCURACY

ST 1119.2 SR 974.7 SS 1797.1
 CRT .9979 CRS -.9913 CST -.9975
 LSA 2327.6 MSA 119.6 SSA 16.4
 EL1 1483.4 EL2 48.1 ALF 41.04

LAUNCH DATE MAY 10 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 483.489

RL 151.06 LAL -.00 LOL 228.67 VL 27.148 GAL 4.00 AZL 90.56 MCA 212.83 SMA 130.09 ECC .17522 INC .5576 V1 29.496
 RP 107.73 LAP .30 LOP 81.50 VP 37.995 GAP 1.98 AZP 89.53 TAL 160.54 TAP 13.37 RCA 107.30 APO 152.89 V2 35.175
 RC 96.719 GL -5.31 GP -31.65 ZAL 58.42 ZAP 114.01 ETS 345.60 ZAE 138.83 ETE 219.19 ZAC 124.87 ETC 357.08 CLP-118.56

PLANETOCENTRIC CONIC

C3 8.118 VHL 2.849 DLA -1.08 RAL 169.09 RAD 6567.3 VEL 11.380 PTH 1.97 VHP 3.676 DPA -13.38 RAP 136.72 ECC 1.1336
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 36 52 1988.36 -13.52 27.64 17.59 115.12 8 10 0 1388.4 -10.02 20.71
 90.00 19 18 53 4699.39 15.41 200.60 17.86 65.95 20 37 12 4099.4 12.04 193.55
 100.00 8 57 42 1727.59 -14.26 8.09 17.22 116.55 9 26 30 1127.6 -10.58 1.23
 100.00 20 40 43 4435.39 16.17 180.82 17.49 64.51 21 54 39 3835.4 12.61 173.84
 110.00 10 4 48 1517.58 -16.25 351.03 16.10 120.50 10 30 5 917.6 -12.08 344.41
 110.00 21 50 7 4218.17 18.18 163.24 16.40 60.54 23 0 25 3618.2 14.11 156.48

DIFFERENTIAL CORRECTIONS

TDE -.5989 TRA 1.1629 TC3-4.3894 BAU .5406
 RDE -.3644 RRA .8803 RC3-2.3550 FAU .12289
 FDE-2.6801 FRA 4.7150 FC-13.1053 BSP 13244
 BDE .7011 BRA 1.4585 BC3 4.9812 FSP -3771

MID-COURSE EXECUTION ACCURACY

SGT 3630.1 SGR 2339.3 SG3 1142.1
 RRT .9868 RRF .9947 RTF .9867
 SGB 4318.5 R23 .0827 R13 .9918
 SG1 4306.7 SG2 318.8 TMA 32.66

ORBIT DETERMINATION ACCURACY

ST 1395.9 SR 905.9 SS 1936.7
 CRT .9950 CRS -.9900 CST -.9990
 LSA 2550.7 MSA 117.8 SSA 16.9
 EL1 1662.3 EL2 75.9 ALF 32.93

LAUNCH DATE MAY 10 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 489.740

RL 151.06 LAL -.00 LOL 228.67 VL 27.139 GAL 4.12 AZL 90.84 MCA 216.06 SMA 130.03 ECC .17660 INC .8371 V1 29.496
 RP 107.70 LAP .49 LOP 84.72 VP 37.998 GAP 2.40 AZP 89.32 TAL 160.09 TAP 16.15 RCA 107.06 APO 152.99 V2 35.185
 RC 98.967 GL -7.82 GP -28.60 ZAL 57.78 ZAP 118.42 ETS 344.39 ZAE 138.30 ETE 213.44 ZAC 125.96 ETC 358.70 CLP-122.83

PLANETOCENTRIC CONIC

C3 8.456 VHL 2.908 DLA -3.71 RAL 168.87 RAD 6567.3 VEL 11.395 PTH 1.97 VHP 3.711 DPA -10.20 RAP 136.77 ECC 1.1392
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 55 31 1914.39 -11.34 23.30 17.62 116.12 8 27 26 1314.4 -7.73 16.47
 90.00 18 58 26 4788.64 17.81 206.05 18.56 67.62 20 18 15 4188.6 14.62 198.83
 100.00 9 15 8 1657.59 -12.09 4.03 17.23 117.55 9 42 46 1057.6 -8.31 357.28
 100.00 20 21 31 4520.67 18.59 186.00 18.21 66.16 21 36 52 3920.7 15.21 178.83
 110.00 10 19 24 1456.40 -14.11 347.59 16.06 121.46 10 43 40 856.4 -9.84 341.09
 110.00 21 33 45 4294.63 20.67 167.76 17.14 62.15 22 45 19 3694.6 16.78 160.80

DIFFERENTIAL CORRECTIONS

TDE -.7484 TRA 1.2926 TC3-4.5836 BAU .5657
 RDE -.3429 RRA .7937 RC3-2.0069 FAU .11977
 FDE-2.9012 FRA 4.6764 FC-12.2617 BSP 13785
 BDE .8233 BRA 1.5168 BC3 5.0037 FSP -3729

MID-COURSE EXECUTION ACCURACY

SGT 3974.2 SGR 2067.5 SG3 1122.5
 RRT .9867 RRF .9924 RTF .9879
 SGB 4479.8 R23 .0744 R13 .9910
 SG1 4469.8 SG2 299.0 TMA 27.30

ORBIT DETERMINATION ACCURACY

ST 1663.5 SR 823.9 SS 2037.7
 CRT .9917 CRS -.9877 CST -.9995
 LSA 2753.8 MSA 119.8 SSA 16.9
 EL1 1853.9 EL2 95.1 ALF 26.23

LAUNCH DATE MAY 10 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC
 RL 151.06 LAL -.00 LOL 228.67 VL 27.128 GAL 4.26 AZL 91.08 MCA 219.29 SMA 129.95 ECC .17819 INC 1.0759 VI 29.496
 RP 107.67 LAP .68 LOP 87.95 VP 37.998 GAP 2.83 AZP 89.17 TAL 159.60 TAP 18.89 RCA 106.80 APO 153.11 V2 35.195
 RC 101.218 GL -9.83 GP -25.90 ZAL 57.10 ZAP 122.60 ETS 343.47 ZAE 137.40 ETE 208.55 ZAC 126.71 ETC .35 CLP-126.80

PLANETOCENTRIC CONIC
 C3 8.850 VML 2.975 DLA -5.91 RAL 168.88 RAD 6567.3 VEL 11.412 PTH 1.98 VHP 3.779 DPA -7.42 RAP 136.94 ECC 1.1457
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 12 11 1854.05 -9.51 19.81 18.06 116.80 8 43 5 1254.0 -5.83 13.06
 90.00 18 41 53 4866.28 19.75 210.92 19.60 69.29 20 2 59 4266.3 16.76 203.53
 100.00 9 30 44 1600.67 -10.28 .77 17.64 118.22 9 57 25 1000.7 -6.43 354.10
 100.00 20 6 1 4594.89 20.57 190.62 19.26 67.82 21 22 36 3994.9 17.38 183.28
 110.00 10 32 34 1407.08 -12.34 344.86 16.43 122.14 10 56 1 807.1 -8.00 338.45
 110.00 21 20 40 4361.25 22.74 171.83 18.21 63.76 22 33 22 3761.3 19.02 164.66

DIFFERENTIAL CORRECTIONS
 TDE -.8964 TRA 1.4223 TC3-4.7012 BAU .5916 SGT 4288.1 SGR 1825.6 SG3 1085.5 ST 1915.7 SR 735.7 SS 2103.4
 RDE -.3139 RRA .7198 RC3-1.7014 FAU .11463 RRT .9853 RRF .9890 RTF .9885 CRT .9875 CRS -.9841 CST -.9997
 FDE -3.0436 FRA 4.5895 FC-11.2124 BSP 14390 SGB 4660.6 R23 .0622 R13 .9904 LSA 2936.0 MSA 123.4 SSA 16.8
 BDE .9497 BRA 1.5941 BC3 4.9996 FSP -3623 SG1 4651.7 SG2 287.3 THA 22.85 EL1 2049.2 EL2 108.6 ALF 20.83

LAUNCH DATE MAY 10 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC
 RL 151.06 LAL -.00 LOL 228.67 VL 27.116 GAL 4.42 AZL 91.28 MCA 222.53 SMA 129.87 ECC .17999 INC 1.2841 VI 29.496
 RP 107.65 LAP .87 LOP 91.18 VP 37.998 GAP 3.25 AZP 89.05 TAL 159.07 TAP 21.59 RCA 106.49 APO 153.24 V2 35.204
 RC 103.470 GL -11.46 GP -23.52 ZAL 56.38 ZAP 126.52 ETS 342.76 ZAE 136.28 ETE 204.48 ZAC 127.12 ETC 1.95 CLP-130.47

PLANETOCENTRIC CONIC
 C3 9.295 VML 3.049 DLA -7.77 RAL 169.08 RAD 6567.3 VEL 11.432 PTH 1.98 VHP 3.874 DPA -5.03 RAP 137.25 ECC 1.1530
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 27 23 1804.26 -7.96 16.97 18.81 117.26 8 57 27 1204.3 -4.25 10.26
 90.00 18 28 20 4935.00 21.35 215.33 20.90 70.94 19 50 35 4335.0 18.55 207.77
 100.00 9 44 59 1553.92 -8.76 358.13 18.38 118.69 10 10 53 953.9 -4.87 351.51
 100.00 19 53 25 4660.57 22.20 194.82 20.57 69.45 21 11 5 4060.6 19.20 187.30
 110.00 10 44 41 1367.00 -10.87 342.68 17.11 122.61 11 7 28 767.0 -6.50 336.32
 110.00 21 10 12 4420.26 24.46 175.55 19.55 65.34 22 23 53 3820.3 20.93 168.18

DIFFERENTIAL CORRECTIONS
 TDE -1.0423 TRA 1.5522 TC3-4.7577 BAU .6178 SGT 4573.9 SGR 1613.4 SG3 1037.0 ST 2150.4 SR 647.2 SS 2140.0
 RDE -.2808 RRA .6569 RC3-1.4414 FAU .10829 RRT .9826 RRF .9843 RTF .9888 CRT .9815 CRS -.9786 CST -.9998
 FDE -3.1203 FRA 4.4688 FC-10.0862 BSP 15032 SGB 4850.1 R23 .0480 R13 .9900 LSA 3099.4 MSA 127.7 SSA 16.6
 BDE 1.0794 BRA 1.6855 BC3 4.9712 FSP -3476 SG1 4841.8 SG2 282.9 THA 19.19 EL1 2242.6 EL2 118.7 ALF 16.51

LAUNCH DATE MAY 10 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC
 RL 151.06 LAL -.00 LOL 228.67 VL 27.102 GAL 4.59 AZL 91.47 MCA 225.76 SMA 129.77 ECC .18199 INC 1.4682 VI 29.496
 RP 107.62 LAP 1.05 LOP 94.42 VP 37.998 GAP 3.67 AZP 88.98 TAL 158.50 TAP 24.27 RCA 106.16 APO 153.39 V2 35.212
 RC 105.723 GL -12.78 GP -21.43 ZAL 55.61 ZAP 130.17 ETS 342.21 ZAE 135.05 ETE 201.13 ZAC 127.22 ETC 3.47 CLP-133.87

PLANETOCENTRIC CONIC
 C3 9.790 VML 3.129 DLA -9.37 RAL 169.45 RAD 6567.4 VEL 11.453 PTH 1.99 VHP 3.991 DPA -2.98 RAP 137.71 ECC 1.1611
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 41 27 1762.90 -6.67 14.62 19.82 117.58 9 10 50 1162.9 -2.92 7.94
 90.00 18 17 12 4996.71 22.66 219.38 22.42 72.55 19 40 29 4396.7 20.06 211.67
 100.00 9 58 12 1515.30 -7.50 355.97 19.37 119.02 10 23 27 915.3 -3.57 349.38
 100.00 19 43 8 4719.55 23.56 198.67 22.10 71.05 21 1 48 4119.5 20.75 191.00
 110.00 10 56 0 1334.33 -9.67 340.91 18.05 122.95 11 18 14 734.3 -5.26 334.60
 110.00 21 1 50 4473.27 25.92 178.97 21.09 66.90 22 16 23 3873.3 22.57 171.42

DIFFERENTIAL CORRECTIONS
 TDE -1.1830 TRA 1.6863 TC3-4.7502 BAU .6418 SGT 4829.5 SGR 1428.1 SG3 980.7 ST 2362.7 SR 560.6 SS 2147.6
 RDE -.2445 RRA .6046 RC3-1.2172 FAU .10078 RRT .9780 RRF .9777 RTF .9888 CRT .9724 CRS -.9697 CST -.9999
 FDE -3.1340 FRA 4.3371 FC3-8.9124 BSP 15616 SGB 5036.3 R23 .0348 R13 .9895 LSA 3239.0 MSA 132.8 SSA 16.5
 BDE 1.2080 BRA 1.7914 BC3 4.9036 FSP -3285 SG1 5028.1 SG2 285.9 THA 16.18 EL1 2425.0 EL2 127.5 ALF 13.03

LAUNCH DATE MAY 10 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC
 RL 151.06 LAL -.00 LOL 228.67 VL 27.087 GAL 4.78 AZL 91.63 MCA 229.00 SMA 129.67 ECC .18421 INC 1.6331 VI 29.496
 RP 107.60 LAP 1.23 LOP 97.65 VP 37.992 GAP 4.10 AZP 88.93 TAL 157.91 TAP 26.90 RCA 105.79 APO 153.56 V2 35.220
 RC 107.975 GL -13.85 GP -19.58 ZAL 54.79 ZAP 133.57 ETS 341.76 ZAE 133.79 ETE 198.38 ZAC 127.05 ETC 4.87 CLP-137.01

PLANETOCENTRIC CONIC
 C3 10.336 VML 3.215 DLA -10.75 RAL 169.96 RAD 6567.4 VEL 11.477 PTH 2.00 VHP 4.127 DPA -1.24 RAP 138.32 ECC 1.1701
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 54 38 1728.48 -5.58 12.68 21.03 117.81 9 23 26 1128.5 -1.81 6.02
 90.00 18 8 3 5052.80 23.76 223.12 24.10 74.12 19 32 16 4452.8 21.35 215.28
 100.00 10 10 36 1483.37 -6.44 354.19 20.56 119.25 10 35 19 883.4 -2.49 347.62
 100.00 19 34 46 4773.14 24.70 202.25 23.80 72.60 20 54 19 4173.1 22.08 194.43
 110.00 11 6 40 1307.79 -8.68 339.49 19.19 123.19 11 28 28 707.8 -4.26 333.20
 110.00 20 55 11 4521.48 27.17 182.16 22.82 68.42 22 10 32 3921.5 24.00 174.44

DIFFERENTIAL CORRECTIONS
 TDE -1.3238 TRA 1.8203 TC3-4.7102 BAU .6664 SGT 5063.7 SGR 1269.5 SG3 922.3 ST 2560.4 SR 481.8 SS 2142.4
 RDE -.2092 RRA .5594 RC3-1.0352 FAU .09350 RRT .9716 RRF .9690 RTF .9887 CRT .9591 CRS -.9566 CST -.9999
 FDE -3.1186 FRA 4.1874 FC3-7.8313 BSP 16259 SGB 5220.4 R23 .0217 R13 .9891 LSA 3370.2 MSA 137.5 SSA 16.3
 BDE 1.3402 BRA 1.9043 BC3 4.8226 FSP -3103 SG1 5212.3 SG2 291.8 THA 13.73 EL1 2601.8 EL2 134.2 ALF 10.26

LAUNCH DATE MAY 10 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 520.674

RL 151.06 LAL -.00 LOL 228.67 VL 27.071 GAL 4.98 AZL 91.78 MCA 232.24 SMA 129.56 ECC .18665 INC 1.7827 V1 29.496
 RP 107.58 LAP 1.41 LOP 100.89 VP 37.988 GAP 4.52 AZP 88.91 TAL 157.27 TAP 29.51 RCA 105.38 APO 153.75 V2 35.227
 RC 110.226 GL -14.70 GP -17.96 ZAL 53.92 ZAP 136.72 ETS 341.37 ZAE 132.55 ETE 196.13 ZAC 126.64 ETC 6.14 CLP-139.93

PLANETOCENTRIC CONIC

C3 10.937 VHL 3.307 DLA -11.95 RAL 170.58 RAD 6567.4 VEL 11.503 PTH 2.00 VMP 4.279 OPA .23 RAP 139.07 ECC 1.1800
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 7 4 1699.91 -4.67 11.07 22.42 117.96 9 35 24 1099.9 -.89 4.43
 90.00 18 0 34 5104.33 24.67 226.62 25.94 75.65 19 25 38 4504.3 22.46 218.65
 100.00 10 22 19 1457.10 -5.56 352.73 21.93 119.42 10 46 36 857.1 -1.60 346.18
 100.00 19 27 59 4822.37 25.66 205.59 25.65 74.11 20 48 22 4222.4 23.23 197.63
 110.00 11 16 49 1286.43 -7.89 338.35 20.50 123.37 11 38 15 686.4 -3.44 332.08
 110.00 20 49 59 4565.81 28.25 185.16 24.70 69.90 22 6 5 3965.8 25.25 177.27

DIFFERENTIAL CORRECTIONS

TDE-1.4622 TRA 1.9581 TC3-4.6328 BAU .6896
 RDE -.1743 RRA .5214 RC3 -.8833 FAU .08618
 FDE-3.0738 FRA 4.0374 FC3-6.8221 BSP 16877
 BDE 1.4725 BRA 2.0263 BC3 4.7163 FSP -2916

MID-COURSE EXECUTION ACCURACY

SGT 5275.5 SGR 1133.6 SG3 863.3
 RRT .9627 RRF .9576 RTF .9886
 SGB 5395.9 R23 .0104 R13 .9887
 SG1 5387.5 SG2 300.5 TMA 11.72

ORBIT DETERMINATION ACCURACY

ST 2740.1 SR 410.2 SS 2123.0
 CRT .9386 CRS -.9360 CST -.9999
 LSA 3487.5 MSA 142.3 SSA 16.2
 EL1 2767.1 EL2 140.2 ALF 8.02

LAUNCH DATE MAY 10 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 526.790

RL 151.06 LAL -.00 LOL 228.67 VL 27.054 GAL 5.20 AZL 91.92 MCA 235.48 SMA 129.45 ECC .18932 INC 1.9197 V1 29.496
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.981 GAP 4.95 AZP 88.91 TAL 156.61 TAP 32.09 RCA 104.94 APO 153.95 V2 35.233
 RC 112.475 GL -15.37 GP -16.54 ZAL 53.01 ZAP 139.64 ETS 341.02 ZAE 131.36 ETE 194.28 ZAC 126.00 ETC 7.27 CLP-142.65

PLANETOCENTRIC CONIC

C3 11.598 VHL 3.406 DLA -13.00 RAL 171.30 RAD 6567.4 VEL 11.532 PTH 2.01 VMP 4.445 OPA 1.45 RAP 139.96 ECC 1.1909
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 18 52 1676.40 -3.92 9.75 23.97 118.07 9 46 49 1076.4 -.13 3.12
 90.00 17 54 30 5152.10 25.44 229.91 27.91 77.12 19 20 22 4552.1 23.41 221.83
 100.00 10 33 28 1435.72 -4.84 351.55 23.46 119.53 10 57 24 835.7 -.88 345.01
 100.00 19 22 35 4868.01 26.47 208.74 27.63 75.58 20 43 43 4268.0 24.23 200.66
 110.00 11 26 32 1269.54 -7.25 337.45 21.97 123.50 11 47 41 669.5 -2.80 331.20
 110.00 20 46 1 4606.95 29.18 188.01 26.72 71.34 22 2 48 4007.0 26.35 179.96

DIFFERENTIAL CORRECTIONS

TDE-1.5981 TRA 2.1011 TC3-4.5245 BAU .7113
 RDE -.1402 RRA .4896 RC3 -.7565 FAU .07905
 FDE-3.0071 FRA 3.8921 FC3-5.9012 BSP 17462
 BDE 1.6042 BRA 2.1574 BC3 4.5874 FSP -2731

MID-COURSE EXECUTION ACCURACY

SGT 5466.9 SGR 1017.7 SG3 805.5
 RRT .9506 RRF .9428 RTF .9883
 SGB 5560.9 R23 .0010 R13 .9883
 SG1 5552.2 SG2 311.0 TMA 10.07

ORBIT DETERMINATION ACCURACY

ST 2902.1 SR 346.7 SS 2092.2
 CRT .9061 CRS -.9036 CST -.9999
 LSA 3591.3 MSA 147.0 SSA 16.1
 EL1 2919.1 EL2 145.8 ALF 6.19

LAUNCH DATE MAY 10 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 532.880

RL 151.06 LAL -.00 LOL 228.67 VL 27.036 GAL 5.43 AZL 92.05 MCA 238.72 SMA 129.32 ECC .19223 INC 2.0465 V1 29.496
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.974 GAP 5.39 AZP 88.94 TAL 155.92 TAP 34.64 RCA 104.46 APO 154.18 V2 35.239
 RC 114.720 GL -15.89 GP -15.28 ZAL 52.05 ZAP 142.36 ETS 340.67 ZAE 130.23 ETE 192.76 ZAC 125.18 ETC 8.26 CLP-145.18

PLANETOCENTRIC CONIC

C3 12.324 VHL 3.511 DLA -13.92 RAL 172.10 RAD 6567.5 VEL 11.563 PTH 2.02 VMP 4.625 OPA 2.45 RAP 140.99 ECC 1.2028
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 30 7 1657.36 -3.31 8.69 25.64 118.14 9 57 45 1057.4 .48 2.06
 90.00 17 49 39 5196.72 26.08 233.02 29.99 78.56 19 16 16 4596.7 24.24 224.84
 100.00 10 44 6 1418.66 -4.27 350.60 25.11 119.61 11 7 45 818.7 -.30 344.07
 100.00 19 18 22 4910.66 27.16 211.72 29.73 77.00 20 40 12 4310.7 25.10 203.53
 110.00 11 35 51 1256.61 -6.77 336.77 23.57 123.59 11 56 47 656.6 -2.31 330.52
 110.00 20 43 7 4645.47 29.98 190.71 28.86 72.76 22 0 32 4045.5 27.33 182.53

DIFFERENTIAL CORRECTIONS

TDE-1.7316 TRA 2.2503 TC3-4.3896 BAU .7312
 RDE -.1071 RRA .4627 RC3 -.6502 FAU .07219
 FDE-2.9257 FRA 3.7541 FC3-5.0709 BSP 18000
 BDE 1.7349 BRA 2.2974 BC3 4.4375 FSP -2550

MID-COURSE EXECUTION ACCURACY

SGT 5639.5 SGR 918.9 SG3 749.8
 RRT .9350 RRF .9243 RTF .9879
 SGB 5713.8 R23 -.0067 R13 .9879
 SG1 5704.8 SG2 322.3 TMA 8.69

ORBIT DETERMINATION ACCURACY

ST 3047.0 SR 291.9 SS 2053.0
 CRT .8546 CRS -.8520 CST -.9999
 LSA 3682.5 MSA 151.8 SSA 15.9
 EL1 3057.2 EL2 151.1 ALF 4.69

LAUNCH DATE MAY 10 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 538.943

RL 151.06 LAL -.00 LOL 228.67 VL 27.017 GAL 5.69 AZL 92.16 MCA 241.96 SMA 129.20 ECC .19538 INC 2.1649 V1 29.496
 RP 107.52 LAP 1.91 LOP 110.61 VP 37.965 GAP 5.83 AZP 88.98 TAL 155.20 TAP 37.16 RCA 103.95 APO 154.44 V2 35.244
 RC 116.961 GL -16.28 GP -14.17 ZAL 51.06 ZAP 144.89 ETS 340.32 ZAE 129.18 ETE 191.50 ZAC 124.19 ETC 9.12 CLP-147.54

PLANETOCENTRIC CONIC

C3 13.125 VHL 3.623 DLA -14.73 RAL 172.98 RAD 6567.5 VEL 11.598 PTH 2.03 VMP 4.816 OPA 3.26 RAP 142.13 ECC 1.2160
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 40 53 1642.34 -2.82 7.85 27.44 118.19 10 8 15 1042.3 .97 1.22
 90.00 17 45 54 5238.70 26.61 235.98 32.18 79.95 19 13 12 4638.7 24.95 227.70
 100.00 10 54 17 1405.48 -3.83 349.88 26.88 119.67 11 17 43 805.5 .15 343.35
 100.00 19 15 10 4950.79 27.74 214.56 31.94 78.39 20 37 41 4350.8 25.86 206.27
 110.00 11 44 49 1247.22 -6.41 336.27 25.28 123.65 12 5 36 647.2 -1.95 330.03
 110.00 20 41 8 4681.81 30.69 193.31 31.11 74.15 21 59 10 4081.8 28.21 184.99

DIFFERENTIAL CORRECTIONS

TDE-1.8611 TRA 2.4092 TC3-4.2262 BAU .7480
 RDE -.0746 RRA .4405 RC3 -.5594 FAU .06546
 FDE-2.8310 FRA 3.6296 FC3-4.3177 BSP 18442
 BDE 1.8626 BRA 2.4492 BC3 4.2631 FSP -2367

MID-COURSE EXECUTION ACCURACY

SGT 5793.3 SGR 835.0 SG3 696.9
 RRT .9151 RRF .9016 RTF .9874
 SGB 5853.2 R23 -.0125 R13 .9874
 SG1 5843.6 SG2 333.8 TMA 7.54

ORBIT DETERMINATION ACCURACY

ST 3173.2 SR 246.5 SS 2005.5
 CRT .7718 CRS -.7694 CST -.9999
 LSA 3758.6 MSA 156.9 SSA 15.8
 EL1 3178.9 EL2 156.5 ALF 3.44

LAUNCH DATE MAY 10 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 544.975

RL 151.06 LAL -1.00 LOL 228.67 VL 26.998 GAL 5.96 AZL 92.28 MCA 245.21 SMA 129.06 ECC .19879 INC 2.2764 V1 29.496
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.955 GAP 6.28 AZP 89.05 TAL 154.46 TAP 39.66 RCA 103.41 APO 154.72 V2 35.248
 RC 119.197 GL -16.56 GP -13.18 ZAL 50.05 ZAP 147.26 ETS 339.94 ZAE 128.21 ETE 190.45 ZAC 123.06 ETC 9.85 CLP-149.75

PLANETOCENTRIC CONIC

C3 14.007 VHL 3.743 DLA -15.44 RAL 173.91 RAD 6567.6 VEL 11.636 PTH 2.04 VHP 5.020 DPA 3.90 RAP 143.39 ECC 1.2305
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 51 9 1631.01 -2.46 7.21 29.33 118.22 10 18 20 1031.0 1.33 .59
 90.00 17 43 5 5278.40 27.05 238.80 34.47 81.30 19 11 4 4678.4 25.57 230.45
 100.00 11 4 2 1395.85 -3.50 349.35 28.75 119.71 11 27 18 795.9 .48 342.82
 100.00 19 12 53 4988.78 28.23 217.28 34.24 79.74 20 36 2 4388.8 26.52 208.89
 110.00 11 53 27 1241.08 -6.18 335.95 27.09 123.69 12 14 8 641.1 -1.71 329.71
 110.00 20 39 58 4716.32 31.30 195.81 33.47 75.51 21 58 35 4116.3 29.00 187.37

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.9925 TRA 2.5727 TC3-4.0570 BAU .7651
 ROE -.0438 RRA .4212 RC3 -.4846 FAU .05948
 FDE-2.7384 FRA 3.5087 FC3-3.6763 BSP 18928
 BOE 1.9930 BRA 2.6069 BC3 4.0858 FSP -2209

SGT 5934.9 SGR 763.9 SG3 647.7
 RRT .8910 RRF .8743 RTF .9870
 SGB 5983.8 R23 -.0178 R13 .9869
 SG1 5973.9 SG2 344.6 THA 6.56

ST 3288.7 SR 211.9 SS 1957.8
 CRT .6480 CRS -.6456 CST-1.0000
 LSA 3829.8 MSA 161.4 SSA 15.6
 EL1 3291.6 EL2 161.2 ALF 2.40

LAUNCH DATE MAY 10 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 550.977

RL 151.06 LAL -1.00 LOL 228.67 VL 26.977 GAL 6.26 AZL 92.38 MCA 248.45 SMA 128.92 ECC .20248 INC 2.3822 V1 29.496
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.944 GAP 6.74 AZP 89.12 TAL 153.69 TAP 42.14 RCA 102.82 APO 155.03 V2 35.252
 RC 121.426 GL -16.74 GP -12.31 ZAL 49.01 ZAP 149.47 ETS 339.52 ZAE 127.31 ETE 189.57 ZAC 121.81 ETC 10.48 CLP-151.84

PLANETOCENTRIC CONIC

C3 14.981 VHL 3.871 DLA -16.07 RAL 174.90 RAD 6567.6 VEL 11.678 PTH 2.05 VHP 5.234 DPA 4.38 RAP 144.74 ECC 1.2466
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 0 59 1623.09 -2.20 6.77 31.32 118.24 10 28 2 1023.1 1.59 .14
 90.00 17 41 8 5316.15 27.41 241.51 36.84 82.61 19 9 44 4716.1 26.10 233.08
 100.00 11 13 22 1389.52 -3.29 349.00 30.72 119.73 11 36 32 789.5 .69 342.47
 100.00 19 11 26 5024.95 28.64 219.89 36.64 81.05 20 35 10 4424.9 27.11 211.42
 110.00 12 1 46 1237.95 -6.06 335.78 29.00 123.71 12 22 24 637.9 -1.59 329.55
 110.00 20 39 32 4749.29 31.84 198.23 35.91 76.85 21 58 41 4149.3 29.70 189.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.1228 TRA 2.7453 TC3-3.8730 BAU .7803
 ROE -.0139 RRA .4046 RC3 -.4205 FAU .05385
 FDE-2.6436 FRA 3.3983 FC3-3.1121 BSP 19367
 BOE 2.1229 BRA 2.7749 BC3 3.8957 FSP -2059

SGT 6062.1 SGR 703.4 SG3 601.9
 RRT .8621 RRF .8423 RTF .9865
 SGB 6102.8 R23 -.0220 R13 .9864
 SG1 6092.4 SG2 354.7 THA 5.73

ST 3390.0 SR 188.3 SS 1907.3
 CRT .4738 CRS -.4716 CST-1.0000
 LSA 3890.8 MSA 165.9 SSA 15.4
 EL1 3391.2 EL2 165.8 ALF 1.51

LAUNCH DATE MAY 10 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 556.944

RL 151.06 LAL -1.00 LOL 228.67 VL 26.956 GAL 6.57 AZL 92.48 MCA 251.70 SMA 128.78 ECC .20647 INC 2.4834 V1 29.496
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.932 GAP 7.20 AZP 89.22 TAL 152.90 TAP 44.60 RCA 102.19 APO 155.37 V2 35.255
 RC 123.648 GL -16.83 GP -11.54 ZAL 47.95 ZAP 151.54 ETS 339.04 ZAE 126.49 ETE 188.82 ZAC 120.44 ETC 11.00 CLP-153.80

PLANETOCENTRIC CONIC

C3 16.060 VHL 4.007 DLA -16.62 RAL 175.93 RAD 6567.6 VEL 11.724 PTH 2.07 VHP 5.460 DPA 4.73 RAP 146.17 ECC 1.2643
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 10 23 1618.39 -2.05 6.51 33.39 118.25 10 37 21 1018.4 1.74 359.88
 90.00 17 39 56 5352.20 27.70 244.11 39.29 83.88 19 9 8 4752.2 26.56 235.62
 100.00 11 22 19 1386.28 -3.18 348.82 32.77 119.74 11 45 25 786.3 .80 342.30
 100.00 19 10 41 5059.54 28.98 222.40 39.11 82.33 20 35 1 4459.5 27.62 213.87
 110.00 12 9 46 1237.62 -6.05 335.77 30.99 123.71 12 30 23 637.6 -1.58 329.53
 110.00 20 39 44 4780.96 32.31 200.58 38.45 78.17 21 59 25 4181.0 30.34 191.92

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.2527 TRA 2.9277 TC3-3.6791 BAU .7938
 ROE .0153 RRA .3902 RC3 -.3656 FAU .04865
 FDE-2.5492 FRA 3.2978 FC3-2.6226 BSP 19772
 BOE 2.2527 BRA 2.9536 BC3 3.6972 FSP -1919

SGT 6176.7 SGR 652.1 SG3 559.4
 RRT .8284 RRF .8055 RTF .9861
 SGB 6211.0 R23 -.0254 R13 .9860
 SG1 6200.4 SG2 363.9 THA 5.02

ST 3478.3 SR 176.2 SS 1855.4
 CRT .2594 CRS -.2574 CST-1.0000
 LSA 3942.4 MSA 170.2 SSA 15.3
 EL1 3478.6 EL2 170.2 ALF .75

LAUNCH DATE MAY 10 1967

FLIGHT TIME 204.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 562.875

RL 151.06 LAL -1.00 LOL 228.67 VL 26.934 GAL 6.91 AZL 92.58 MCA 254.95 SMA 128.64 ECC .21076 INC 2.5809 V1 29.496
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.918 GAP 7.68 AZP 89.33 TAL 152.09 TAP 47.04 RCA 101.52 APO 155.75 V2 35.257
 RC 125.861 GL -16.85 GP -10.85 ZAL 46.87 ZAP 153.49 ETS 338.49 ZAE 125.73 ETE 188.19 ZAC 118.99 ETC 11.44 CLP-155.67

PLANETOCENTRIC CONIC

C3 17.255 VHL 4.154 DLA -17.11 RAL 176.99 RAD 6567.7 VEL 11.774 PTH 2.08 VHP 5.698 DPA 4.95 RAP 147.69 ECC 1.2840
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 19 20 1616.74 -2.00 6.42 35.54 118.25 10 46 17 1016.7 1.79 359.79
 90.00 17 39 27 5386.77 27.93 246.61 41.81 85.12 19 9 13 4786.8 26.96 238.08
 100.00 11 30 51 1385.97 -3.17 348.80 34.89 119.74 11 53 57 786.0 .81 342.28
 100.00 19 10 37 5092.78 29.26 224.83 41.66 83.59 20 35 29 4492.8 28.06 216.24
 110.00 12 17 28 1239.96 -6.14 335.89 33.05 123.69 12 38 8 640.0 -1.67 329.65
 110.00 20 40 30 4811.55 32.71 202.88 41.06 79.47 22 0 41 4211.5 30.91 194.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.3793 TRA 3.1244 TC3-3.4692 BAU .8036
 ROE .0443 RRA .3778 RC3 -.3171 FAU .04358
 FDE-2.4519 FRA 3.2112 FC3-2.1863 BSP 20055
 BOE 2.3797 BRA 3.1472 BC3 3.4837 FSP -1779

SGT 6277.7 SGR 608.6 SG3 519.9
 RRT .7897 RRF .7641 RTF .9855
 SGB 6307.1 R23 -.0275 R13 .9854
 SG1 6296.1 SG2 372.3 THA 4.39

ST 3550.7 SR 174.8 SS 1800.3
 CRT .0343 CRS -.0329 CST-1.0000
 LSA 3981.0 MSA 174.7 SSA 15.1
 EL1 3550.7 EL2 174.7 ALF .10

LAUNCH DATE MAY 10 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 368.765

RL 151.06 LAL -.00 LOL 228.67 VL 26.912 GAL 7.27 AZL 92.68 MCA 258.19 SMA 128.49 ECC .21539 INC 2.6755 V1 29.496
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.904 GAP 8.17 ATP 89.45 TAL 151.27 TAP 49.46 RCA 100.81 APO 156.16 V2 35.25H
 RC 128.066 GL -16.80 GP -10.23 ZAL 45.79 ZAP 155.34 ETS 337.85 ZAE 125.03 ETE 187.64 ZAC 117.44 ETC 11.81 CLP-157.44

PLANETOCENTRIC CONIC

C3 18.583 VML 4.311 OLA -17.53 RAL 178.07 RAD 6567.8 VEL 11.831 PTM 2.10 VMP 5.947 DPA 5.07 RAP 149.27 ECC 1.305H
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 27 52 1618.02 -2.04 6.49 37.75 118.25 10 54 50 1018.0 1.75 359.86
 90.00 17 39 35 5420.03 28.10 249.03 44.40 86.32 19 9 55 4820.0 27.29 240.46
 100.00 11 39 0 1388.46 -3.25 348.94 37.08 119.73 12 2 9 788.5 .73 342.42
 100.00 19 11 7 5124.82 29.48 227.19 44.28 84.81 20 36 32 4524.8 28.45 218.54
 110.00 12 24 51 1244.83 -6.32 336.15 35.18 123.66 12 45 36 644.8 -1.86 329.91
 110.00 20 41 46 4841.21 33.06 205.12 43.75 80.76 22 2 27 4241.2 31.43 196.28

DIFFERENTIAL CORRECTIONS

TOE-2.5110 TRA 3.3279 TC3-3.2651 BAU .8141
 RDE .0723 RRA .3662 RC3 -.2760 FAU .03915
 FDE-2.3641 FRA 3.1278 FC3-1.8241 BSP 20417
 BDE 2.5120 BRA 3.3479 BC3 3.2768 FSP -1662

MID-COURSE EXECUTION ACCURACY

SGT 6370.2 SGR 571.3 SG3 483.8
 RRT .7464 RRF .7181 RTF .9851
 SGB 6395.7 R23 -.0297 R13 .9850
 SGI 6384.5 SG2 379.3 THA 3.84

ORBIT DETERMINATION ACCURACY

ST 3616.9 SR 181.0 SS 1749.1
 CRT -.1639 CRS .1648 CST-1.0000
 LSA 4017.7 MSA 178.5 SSA 14.9
 EL1 3617.0 EL2 178.5 ALF 179.53

LAUNCH DATE MAY 10 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 374.612

RL 151.06 LAL -.00 LOL 228.67 VL 26.889 GAL 7.66 AZL 92.77 MCA 261.44 SMA 128.33 ECC .22038 INC 2.7678 V1 29.496
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.888 GAP 8.68 ATP 89.59 TAL 150.43 TAP 51.87 RCA 100.05 APO 156.62 V2 35.259
 RC 130.261 GL -16.70 GP -9.68 ZAL 44.70 ZAP 157.08 ETS 337.12 ZAE 124.39 ETE 187.17 ZAC 115.83 ETC 12.12 CLP-159.13

PLANETOCENTRIC CONIC

C3 20.061 VML 4.479 OLA -17.89 RAL 179.18 RAD 6567.8 VEL 11.893 PTM 2.11 VMP 6.210 DPA 5.08 RAP 150.90 ECC 1.3361
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 35 57 1622.10 -2.17 6.72 40.03 118.24 11 2 59 1022.1 1.62 .09
 90.00 17 40 17 5452.14 28.21 251.37 47.06 87.49 19 11 9 4852.1 27.57 242.76
 100.00 11 46 45 1393.64 -3.43 349.23 39.33 119.71 12 9 59 793.6 .55 342.70
 100.00 19 12 10 5155.83 29.65 229.48 46.96 86.00 20 38 6 4555.8 28.78 220.78
 110.00 12 31 55 1252.13 -6.60 336.53 37.37 123.62 12 52 47 652.1 -2.13 330.29
 110.00 20 43 30 4870.10 33.35 207.33 46.51 82.03 22 4 40 4270.1 31.89 198.40

DIFFERENTIAL CORRECTIONS

TOE-2.6432 TRA 3.5445 TC3-3.0568 BAU .8223
 RDE .1002 RRA .3555 RC3 -.2398 FAU .03503
 FDE-2.2791 FRA 3.0540 FC3-1.5117 BSP 20734
 BDE 2.6451 BRA 3.5623 BC3 3.0662 FSP -1552

MID-COURSE EXECUTION ACCURACY

SGT 6452.5 SGR 539.4 SG3 450.5
 RRT .6988 RRF .6682 RTF .9846
 SGB 6475.0 R23 -.0312 R13 .9845
 SGI 6463.5 SG2 385.2 THA 3.36

ORBIT DETERMINATION ACCURACY

ST 3672.0 SR 192.4 SS 1698.1
 CRT -.3224 CRS .3230 CST-1.0000
 LSA 4046.1 MSA 182.1 SSA 14.7
 EL1 3672.5 EL2 182.1 ALF 179.03

LAUNCH DATE MAY 10 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 380.412

RL 151.06 LAL -.00 LOL 228.67 VL 26.866 GAL 8.08 AZL 92.86 MCA 264.69 SMA 128.18 ECC .22576 INC 2.8586 V1 29.496
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.872 GAP 9.20 ATP 89.74 TAL 149.59 TAP 54.27 RCA 99.24 APO 157.12 V2 35.259
 RC 132.447 GL -16.54 GP -9.18 ZAL 43.61 ZAP 158.74 ETS 336.27 ZAE 123.79 ETE 186.76 ZAC 114.16 ETC 12.37 CLP-160.74

PLANETOCENTRIC CONIC

C3 21.709 VML 4.659 OLA -18.21 RAL 180.29 RAD 6567.9 VEL 11.962 PTM 2.13 VMP 6.485 DPA 5.00 RAP 152.59 ECC 1.3573
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 43 36 1628.91 -2.39 7.10 42.35 118.22 11 10 45 1028.9 1.40 .47
 90.00 17 41 31 5483.22 28.29 253.64 49.77 88.62 19 12 54 4883.2 27.80 245.01
 100.00 11 54 6 1401.42 -3.69 349.65 41.63 119.68 12 17 28 801.4 .29 343.13
 100.00 19 13 42 5185.94 29.77 231.71 49.70 87.17 20 40 8 4585.9 29.06 222.98
 110.00 12 38 40 1261.78 -6.96 337.04 39.61 123.55 12 59 42 661.8 -2.50 330.79
 110.00 20 45 38 4898.35 33.60 209.49 49.33 83.29 22 7 16 4298.3 32.31 200.50

DIFFERENTIAL CORRECTIONS

TOE-2.7776 TRA 3.7745 TC3-2.8472 BAU .8286
 RDE .1278 RRA .3453 RC3 -.2079 FAU .03119
 FDE-2.1985 FRA 2.9882 FC3-1.2438 BSP 21025
 BDE 2.7805 BRA 3.7902 BC3 2.8548 FSP -1450

MID-COURSE EXECUTION ACCURACY

SGT 6525.3 SGR 512.0 SG3 419.9
 RRT .6471 RRF .6146 RTF .9842
 SGB 6545.3 R23 -.0322 R13 .9841
 SGI 6533.7 SG2 389.8 THA 2.92

ORBIT DETERMINATION ACCURACY

ST 3717.7 SR 206.7 SS 1648.7
 CRT -.4422 CRS .4425 CST-1.0000
 LSA 4067.8 MSA 185.3 SSA 14.5
 EL1 3718.8 EL2 185.3 ALF 178.59

LAUNCH DATE MAY 10 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 386.157

RL 151.06 LAL -.00 LOL 228.67 VL 26.842 GAL 8.52 AZL 92.95 MCA 267.93 SMA 128.02 ECC .23157 INC 2.9485 V1 29.496
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.854 GAP 9.74 ATP 89.89 TAL 148.73 TAP 56.66 RCA 98.38 APO 157.67 V2 35.258
 RC 134.624 GL -16.34 GP -8.73 ZAL 42.53 ZAP 160.32 ETS 335.27 ZAE 123.24 ETE 186.39 ZAC 112.43 ETC 12.57 CLP-162.30

PLANETOCENTRIC CONIC

C3 23.553 VML 4.853 OLA -18.47 RAL 181.41 RAD 6568.0 VEL 12.039 PTM 2.15 VMP 6.776 DPA 4.84 RAP 154.32 ECC 1.3876
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 50 49 1638.36 -2.70 7.62 44.73 118.20 11 18 7 1038.4 1.10 1.00
 90.00 17 43 14 5513.38 28.32 255.85 52.53 89.73 19 15 7 4913.4 27.98 247.20
 100.00 12 1 3 1411.71 -4.04 350.22 43.99 119.64 12 24 35 811.7 -.06 343.69
 100.00 19 15 41 5215.26 29.85 233.69 52.50 88.31 20 42 36 4615.3 29.30 225.13
 110.00 12 45 6 1273.68 -7.41 337.87 41.91 123.47 13 6 20 673.7 -2.96 331.42
 110.00 20 48 7 4926.05 33.80 211.63 52.21 84.54 22 10 13 4326.1 32.67 202.58

DIFFERENTIAL CORRECTIONS

TOE-2.9141 TRA 4.0189 TC3-2.6384 BAU .8327
 RDE .1555 RRA .3353 RC3 -.1797 FAU .02763
 FDE-2.1222 FRA 2.9301 FC3-1.0156 BSP 21286
 BDE 2.9182 BRA 4.0329 BC3 2.6445 FSP -1355

MID-COURSE EXECUTION ACCURACY

SGT 6589.2 SGR 488.2 SG3 391.7
 RRT .5916 RRF .5577 RTF .9838
 SGB 6607.3 R23 -.0328 R13 .9838
 SGI 6595.5 SG2 393.2 THA 2.52

ORBIT DETERMINATION ACCURACY

ST 3754.2 SR 222.3 SS 1600.6
 CRT -.5311 CRS .5311 CST-1.0000
 LSA 4082.8 MSA 188.2 SSA 14.2
 EL1 3756.0 EL2 188.2 ALF 178.19

LAUNCH DATE MAY 10 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC
 RL 151.06 LAL -.00 LOL 228.67 VL 26.819 GAL 9.00 AZL 93.04 MCA 271.18 SMA 127.86 ECC .237H3 INC 3.0379 V1 29.496
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.836 GAP 10.30 AZP 90.06 TAL 147.87 TAP 59.05 RCA 97.45 APO 158.27 V2 35.256
 RC 136.791 GL -16.10 GP -8.33 ZAL 41.45 ZAP 161.83 ETS 334.11 ZAE 122.72 ETE 186.07 ZAC 110.65 ETC 12.74 CLP-163.80

PLANETOCENTRIC CONIC
 C3 25.621 VHL 5.062 OLA -18.69 RAL 182.53 RAD 6568.0 VEL 12.124 PTH 2.17 VHP 7.082 DPA 4.61 RAP 156.09 ECC 1.4217
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 57 35 1650.37 -3.08 8.30 47.15 118.16 11 25 5 1050.4 .71 1.66
 90.00 17 45 23 5542.72 28.31 257.99 55.34 90.80 19 17 46 4942.7 28.12 249.33
 100.00 12 7 36 1424.44 -4.47 350.92 46.38 119.59 12 31 20 824.4 -.49 344.39
 100.00 19 18 4 5243.89 29.89 236.01 55.34 89.43 20 45 27 4643.9 29.49 227.23
 110.00 12 51 13 1287.78 -7.94 338.42 44.25 123.36 13 12 40 687.8 -3.49 332.15
 110.00 20 50 56 4953.31 33.95 213.75 55.14 85.79 22 13 29 4353.3 33.00 204.64

DIFFERENTIAL CORRECTIONS
 TOE-3.0497 TRA 4.2830 TC3-2.4257 BAU .8326
 RDE .1835 RRA .3254 RC3 -.1544 FAU .02418
 FDE-2.0471 FRA 2.8820 FC3 -.8171 BSP 21494
 BDE 3.0552 BRA 4.2953 BC3 2.4307 FSP -1262

MID-COURSE EXECUTION ACCURACY
 SGT 6643.8 SGR 467.7 SG3 365.7
 RRT .5332 RRF .4986 RTF .9835
 SGB 6660.3 R23 -.0327 R13 .9834
 SGI 6648.5 SG2 395.4 THA 2.16

ORBIT DETERMINATION ACCURACY
 ST 3778.8 SR 238.2 SS 1552.5
 CRT -.5971 CRS .5966 CST-1.0000
 LSA 4087.8 MSA 191.0 SSA 14.0
 ELI 3781.5 EL2 191.0 ALF 177.84

LAUNCH DATE MAY 10 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC
 RL 151.06 LAL 7.00 LOL 228.67 VL 26.794 GAL 9.51 AZL 93.13 MCA 274.43 SMA 127.70 ECC .24461 INC 3.1276 V1 29.496
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.816 GAP 10.89 AZP 90.24 TAL 147.01 TAP 61.44 RCA 96.47 APO 158.94 V2 35.254
 RC 138.949 GL -15.83 GP -7.97 ZAL 40.39 ZAP 163.28 ETS 332.74 ZAE 122.24 ETE 185.78 ZAC 108.84 ETC 12.89 CLP-165.25

PLANETOCENTRIC CONIC
 C3 27.945 VHL 5.286 OLA -18.86 RAL 183.64 RAD 6568.1 VEL 12.220 PTH 2.20 VHP 7.406 DPA 4.31 RAP 157.88 ECC 1.4599
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 3 54 1664.87 -3.55 9.11 49.60 118.11 11 31 39 1064.9 .24 2.47
 90.00 17 47 56 5571.32 28.26 260.08 58.19 91.85 19 20 48 4971.3 28.22 251.42
 100.00 12 13 43 1439.53 -4.97 351.76 48.82 119.51 12 37 43 839.5 -1.00 345.22
 100.00 19 20 48 5271.89 29.89 238.10 58.23 90.53 20 48 40 4671.9 29.64 229.30
 110.00 12 56 59 1304.00 -8.54 339.29 46.62 123.22 13 18 43 704.0 -4.11 333.00
 110.00 20 54 2 4980.19 34.07 215.84 58.12 87.02 22 17 2 4380.2 33.28 206.68

DIFFERENTIAL CORRECTIONS
 TOE-3.1937 TRA 4.5594 TC3-2.2233 BAU .8321
 RDE .2114 RRA .3147 RC3 -.1324 FAU .02112
 FDE-1.9810 FRA 2.8372 FC3 -.6544 BSP 21665
 + BDE 3.2007 BRA 4.5702 BC3 2.2272 FSP -1182

MID-COURSE EXECUTION ACCURACY
 SGT 6691.7 SGR 449.5 SG3 341.8
 RRT .4715 RRF .4366 RTF .9833
 SGB 6706.8 R23 -.0325 R13 .9832
 SGI 6695.1 SG2 396.2 THA 1.82

ORBIT DETERMINATION ACCURACY
 ST 3800.2 SR 253.4 SS 1509.0
 CRT -.6424 CRS .6467 CST-1.0000
 LSA 4092.1 MSA 193.0 SSA 13.7
 ELI 3803.8 EL2 193.0 ALF 177.52

LAUNCH DATE MAY 10 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC
 RL 151.06 LAL .00 LOL 228.67 VL 26.770 GAL 10.06 AZL 93.22 MCA 277.67 SMA 127.54 ECC .25193 INC 3.2180 V1 29.496
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.796 GAP 11.50 AZP 90.43 TAL 146.15 TAP 63.82 RCA 95.41 APO 159.68 V2 35.251
 RC 141.095 GL -15.52 GP -7.64 ZAL 39.34 ZAP 164.67 ETS 331.13 ZAE 121.78 ETE 185.52 ZAC 106.99 ETC 13.00 CLP-166.66

PLANETOCENTRIC CONIC
 C3 30.565 VHL 5.529 OLA -19.00 RAL 184.74 RAD 6568.2 VEL 12.326 PTH 2.22 VHP 7.750 DPA 3.96 RAP 159.70 ECC 1.5030
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 9 45 1681.80 -4.09 10.06 52.09 118.04 11 37 47 1081.8 -.31 3.42
 90.00 17 50 52 5599.24 28.18 262.12 61.07 92.87 19 24 11 4999.2 28.28 253.46
 100.00 12 19 26 1456.93 -5.56 352.72 51.28 119.42 12 43 43 856.9 -1.59 346.17
 100.00 19 23 52 5299.34 29.85 240.14 61.15 91.60 20 52 11 4699.3 29.76 231.33
 110.00 13 2 24 1322.28 -9.22 340.27 49.04 123.06 13 24 27 722.3 -4.81 333.96
 110.00 20 57 23 5006.76 34.14 217.91 61.14 88.24 22 20 49 4406.8 33.52 208.72

DIFFERENTIAL CORRECTIONS
 TOE-3.3414 TRA 4.8549 TC3-2.0245 BAU .8286
 RDE .2397 RRA .3034 RC3 -.1128 FAU .01825
 FDE-1.9189 FRA 2.7997 FC3 -.5170 BSP 21861
 BDE 3.3500 BRA 4.8644 BC3 2.0276 FSP -1108

MID-COURSE EXECUTION ACCURACY
 SGT 6732.0 SGR 433.4 SG3 319.8
 RRT .4073 RRF .3726 RTF .9831
 SGB 6745.9 R23 -.0320 R13 .9831
 SGI 6734.3 SG2 395.7 THA 1.51

ORBIT DETERMINATION ACCURACY
 ST 3813.7 SR 267.7 SS 1467.4
 CRT -.6863 CRS .6854 CST-1.0000
 LSA 4090.4 MSA 194.6 SSA 13.5
 ELI 3818.2 EL2 194.5 ALF 177.23

LAUNCH DATE MAY 10 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC
 RL 151.06 LAL -.00 LOL 228.67 VL 26.745 GAL 10.65 AZL 93.31 MCA 280.92 SMA 127.38 ECC .25988 INC 3.3099 V1 29.496
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.775 GAP 12.15 AZP 90.63 TAL 145.30 TAP 66.22 RCA 94.28 APO 160.49 V2 35.247
 RC 143.232 GL -15.19 GP -7.34 ZAL 38.31 ZAP 166.00 ETS 329.20 ZAE 121.34 ETE 185.28 ZAC 105.12 ETC 13.10 CLP-168.04

PLANETOCENTRIC CONIC
 C3 33.529 VHL 5.790 OLA -19.10 RAL 185.82 RAD 6568.3 VEL 12.446 PTH 2.25 VHP 8.115 DPA 3.55 RAP 161.54 ECC 1.5518
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 15 8 1701.09 -4.71 11.14 54.60 117.96 11 43 29 1101.1 -.93 4.49
 90.00 17 54 6 5626.52 28.07 264.11 63.99 93.86 19 27 53 5026.5 28.31 255.45
 100.00 12 24 43 1476.56 -6.21 353.81 53.78 119.30 12 49 19 876.6 -2.26 347.25
 100.00 19 27 13 5326.28 29.79 242.14 64.10 92.65 20 55 59 4726.3 29.84 233.33
 110.00 13 7 29 1342.55 -9.97 341.36 51.49 122.87 13 29 51 742.6 -5.57 335.03
 110.00 21 0 56 5033.06 34.18 219.96 64.20 89.46 22 24 49 4433.1 33.73 210.75

DIFFERENTIAL CORRECTIONS
 TOE-3.4949 TRA 5.1699 TC3-1.8310 BAU .8219
 RDE .2684 RRA .2911 RC3 -.0954 FAU .01556
 FDE-1.8618 FRA 2.7684 FC3 -.4018 BSP 22034
 BDE 3.5052 BRA 5.1781 BC3 1.8335 FSP -1039

MID-COURSE EXECUTION ACCURACY
 SGT 6764.8 SGR 419.1 SG3 299.5
 RRT .3407 RRF .3068 RTF .9831
 SGB 6777.8 R23 -.0311 R13 .9830
 SGI 6766.3 SG2 393.9 THA 1.21

ORBIT DETERMINATION ACCURACY
 ST 3821.1 SR 280.9 SS 1428.3
 CRT -.7171 CRS .7159 CST -.9999
 LSA 4084.3 MSA 195.6 SSA 13.2
 ELI 3826.4 EL2 195.5 ALF 176.97

LAUNCH DATE MAY 11 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 20 1967

HELIOCENTRIC CONIC

DISTANCE 133.882

RL 151.09 LAL -1.00 LOL 229.63 VL 16.839 GAL 19.93 AZL 91.31 MCA 41.52 SMA 90.09 ECC .72216 INC 1.3054 V1 29.490
 RP 108.77 LAP -1.87 LOP 271.14 VP 31.097 GAP -45.00 AZP 90.98 TAL 171.76 TAP 213.28 RCA 25.03 APO 155.14 V2 34.839
 RC 71.325 GL -1.41 GP 1.98 ZAL 68.64 ZAP 30.22 ETS 185.81 ZAE 143.18 ETE 171.91 ZAC 140.89 ETC 28.02 CLP 30.16

PLANETOCENTRIC CONIC

C3 215.314 VML 14.674 DLA 6.14 RAL 161.93 RAD 6571.2 VEL 18.348 PTH 3.03 VMP 25.624 DPA 24.16 RAP 124.48 ECC 4.5435
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 10 27 2935.73 -28.24 91.75 64.98 87.84 6 59 23 2335.7 -28.24 83.08
 90.00 19 40 20 5197.05 26.08 233.05 58.75 78.57 21 6 57 4597.0 24.24 224.86
 100.00 7 34 43 2663.98 -29.84 71.83 65.04 88.06 8 19 7 2064.0 -29.79 63.02
 100.00 20 58 46 4944.04 27.65 214.08 58.39 78.15 22 21 10 4344.0 25.73 205.80
 110.00 8 49 37 2429.53 -34.16 54.17 65.19 88.67 9 30 7 1829.5 -33.97 44.93
 110.00 22 0 20 4751.25 31.87 198.38 57.31 76.93 23 19 32 4151.2 29.75 189.81

DIFFERENTIAL CORRECTIONS

TDE .7092 TRA-1.7590 TC3 -.1078 BAU .3124
 RDE -1.0318 RRA -.5387 RC3 .0127 FAU .01296
 FDE -.3208 FRA .6400 FC3 -.0521 BSP 2091
 BDE 1.2520 BRA 1.8396 BC3 .1085 FSP -57

MID-COURSE EXECUTION ACCURACY

SGT 808.7 SGR 456.6 SG3 27.6
 RRT .0619 RRF -.0574 RTF -.6184
 SGB 928.6 R23 -.0014 R13 -.6187
 SG1 809.4 SG2 455.3 THA 2.93

ORBIT DETERMINATION ACCURACY

ST 346.0 SR 407.9 SS 323.9
 CRT -.6974 CRS -.7656 CST .9932
 LSA 582.3 MSA 227.5 SSA 13.9
 EL1 494.1 EL2 204.7 ALF 128.34

LAUNCH DATE MAY 11 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 22 1967

HELIOCENTRIC CONIC

DISTANCE 139.641

RL 151.09 LAL -1.00 LOL 229.63 VL 17.568 GAL 19.11 AZL 91.49 MCA 44.69 SMA 91.64 ECC .69486 INC 1.4867 V1 29.490
 RP 108.80 LAP -1.05 LOP 274.31 VP 31.488 GAP -42.94 AZP 91.06 TAL 171.00 TAP 215.69 RCA 27.96 APO 155.32 V2 34.831
 RC 69.138 GL -1.77 GP 2.03 ZAL 67.46 ZAP 28.71 ETS 186.06 ZAE 143.63 ETE 171.06 ZAC 139.37 ETC 27.11 CLP 28.65

PLANETOCENTRIC CONIC

C3 195.087 VML 13.967 DLA 5.36 RAL 162.90 RAD 6571.1 VEL 17.788 PTH 2.99 VMP 24.620 DPA 23.90 RAP 126.27 ECC 4.2106
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 20 15 2896.06 -28.31 88.85 64.37 89.29 7 8 31 2296.1 -28.11 80.19
 90.00 19 38 14 5206.64 26.21 233.72 58.93 78.88 21 5 1 4606.6 24.41 225.51
 100.00 7 44 7 2625.54 -29.89 68.97 64.38 89.56 8 27 53 2025.5 -29.63 60.17
 100.00 20 57 3 4952.39 27.76 214.67 58.59 78.44 22 19 36 4352.4 25.89 206.38
 110.00 8 58 10 2393.83 -34.18 51.38 64.39 90.32 9 38 3 1793.8 -33.76 42.16
 110.00 21 59 30 4756.86 31.96 198.79 57.54 77.16 23 18 47 4156.9 29.86 190.21

DIFFERENTIAL CORRECTIONS

TDE .7113 TRA-1.7650 TC3 -.1144 BAU .3008
 RDE -.9903 RRA -.5253 RC3 .0148 FAU .01312
 FDE -.3365 FRA .6626 FC3 -.0582 BSP 2200
 BDE 1.2193 BRA 1.8415 BC3 .1153 FSP -63

MID-COURSE EXECUTION ACCURACY

SGT 846.2 SGR 462.1 SG3 29.9
 RRT .0655 RRF -.0609 RTF -.6374
 SGB 964.1 R23 -.0016 R13 -.6377
 SG1 846.9 SG2 460.7 THA 2.91

ORBIT DETERMINATION ACCURACY

ST 364.4 SR 411.4 SS 341.6
 CRT -.6962 CRS -.7683 CST .9927
 LSA 603.4 MSA 233.3 SSA 14.2
 EL1 506.9 EL2 212.3 ALF 130.05

LAUNCH DATE MAY 11 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 24 1967

HELIOCENTRIC CONIC

DISTANCE 145.497

RL 151.09 LAL -1.00 LOL 229.63 VL 18.249 GAL 18.31 AZL 91.65 MCA 47.85 SMA 93.21 ECC .66796 INC 1.6486 V1 29.490
 RP 108.82 LAP -1.22 LOP 277.48 VP 31.865 GAP -40.99 AZP 91.11 TAL 170.25 TAP 218.11 RCA 30.95 APO 155.48 V2 34.824
 RC 66.992 GL -2.15 GP 2.10 ZAL 66.33 ZAP 27.22 ETS 186.35 ZAE 144.18 ETE 170.12 ZAC 137.82 ETC 26.26 CLP 27.15

PLANETOCENTRIC CONIC

C3 176.848 VML 13.298 DLA 4.57 RAL 163.80 RAD 6570.9 VEL 17.268 PTH 2.95 VMP 23.652 DPA 23.62 RAP 128.07 ECC 3.9105
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 29 46 2855.68 -28.31 85.89 63.63 90.77 7 17 21 2255.7 -27.90 77.25
 90.00 19 35 55 5215.35 26.32 234.33 59.00 79.17 21 2 50 4615.4 24.56 226.11
 100.00 7 53 15 2586.38 -29.87 66.06 63.60 91.10 8 36 22 1986.4 -29.40 57.29
 100.00 20 55 7 4959.89 27.86 215.21 58.67 78.71 22 17 47 4359.9 26.02 206.89
 110.00 9 6 25 2357.37 -34.13 48.54 63.46 92.01 9 45 43 1757.4 -33.48 39.36
 110.00 21 58 26 4761.66 32.03 199.15 57.65 77.36 23 17 47 4161.7 29.96 190.55

DIFFERENTIAL CORRECTIONS

TDE .7157 TRA-1.7682 TC3 -.1203 BAU .2873
 RDE -.9491 RRA -.5111 RC3 .0173 FAU .01330
 FDE -.3529 FRA .6851 FC3 -.0651 BSP 2376
 BDE 1.1887 BRA 1.8406 BC3 .1215 FSP -70

MID-COURSE EXECUTION ACCURACY

SGT 884.0 SGR 467.1 SG3 32.4
 RRT .0678 RRF -.0641 RTF -.6566
 SGB 999.8 R23 -.0025 R13 -.6569
 SG1 884.8 SG2 465.6 THA 2.84

ORBIT DETERMINATION ACCURACY

ST 394.4 SR 414.3 SS 360.0
 CRT -.6966 CRS -.7711 CST .9924
 LSA 626.1 MSA 238.3 SSA 14.4
 EL1 520.8 EL2 219.4 ALF 131.93

LAUNCH DATE MAY 11 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 26 1967

HELIOCENTRIC CONIC

DISTANCE 151.443

RL 151.09 LAL -1.00 LOL 229.63 VL 18.886 GAL 17.55 AZL 91.80 MCA 51.02 SMA 94.79 ECC .64158 INC 1.7950 V1 29.490
 RP 108.84 LAP -1.40 LOP 280.64 VP 32.227 GAP -39.14 AZP 91.13 TAL 169.52 TAP 220.54 RCA 33.97 APO 155.60 V2 34.817
 RC 64.892 GL -2.55 GP 2.16 ZAL 65.27 ZAP 25.76 ETS 186.68 ZAE 144.82 ETE 169.09 ZAC 136.24 ETC 25.46 CLP 25.67

PLANETOCENTRIC CONIC

C3 160.385 VML 12.664 DLA 3.79 RAL 164.64 RAD 6570.7 VEL 16.784 PTH 2.90 VMP 22.719 DPA 23.33 RAP 129.88 ECC 3.6395
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 38 59 2814.54 -28.23 82.89 62.76 92.28 7 25 54 2214.5 -27.62 74.27
 90.00 19 33 22 5223.25 26.42 234.89 58.95 79.43 21 0 25 4623.3 24.70 226.65
 100.00 8 2 6 2546.45 -29.79 63.09 62.69 92.65 8 44 33 1946.5 -29.10 54.36
 100.00 20 52 56 4966.58 27.95 215.69 58.62 78.95 22 15 43 4366.6 26.14 207.35
 110.00 9 14 25 2320.13 -34.00 45.63 62.41 93.72 9 53 5 1720.1 -33.12 36.51
 110.00 21 57 7 4765.67 32.09 199.44 57.63 77.53 23 16 32 4165.7 30.04 190.83

DIFFERENTIAL CORRECTIONS

TDE .7171 TRA-1.7739 TC3 -.1267 BAU .2751
 RDE -.9084 RRA -.4964 RC3 .0202 FAU .01349
 FDE -.3694 FRA .7083 FC3 -.0728 BSP 2487
 BDE 1.1574 BRA 1.8420 BC3 .1283 FSP -76

MID-COURSE EXECUTION ACCURACY

SGT 924.7 SGR 471.4 SG3 35.1
 RRT .0718 RRF -.0679 RTF -.6742
 SGB 1038.0 R23 -.0026 R13 -.6745
 SG1 925.6 SG2 469.7 THA 2.82

ORBIT DETERMINATION ACCURACY

ST 404.5 SR 416.5 SS 378.8
 CRT -.6949 CRS -.7735 CST .9918
 LSA 648.9 MSA 243.4 SSA 14.6
 EL1 534.5 EL2 226.6 ALF 133.79

LAUNCH DATE MAY 11 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 28 1967

HELIOCENTRIC CONIC

DISTANCE 157.474

RL 151.09 LAL -.00 LOL 229.63 VL 19.481 GAL 16.81 AZL 91.93 HCA 54.18 SMA 96.36 ECC .61579 INC 1.9289 V1 29.490
 RP 108.86 LAP -1.56 LOP 283.80 VP 32.573 GAP -37.38 AZP 91.13 TAL 168.80 TAP 222.98 RCA 37.02 APO 155.70 V2 34.810
 RC 62.843 GL -2.98 GP 2.24 ZAL 64.27 ZAP 24.31 ETS 187.07 ZAE 145.57 ETE 167.94 ZAC 134.65 ETC 24.71 CLP 24.21

PLANETOCENTRIC CONIC

C3 145.509 VHL 12.063 DLA 3.00 RAL 165.41 RAD 6570.6 VEL 16.335 PTH 2.86 VHP 21.818 DPA 23.02 RAP 131.71 ECC 3.3947
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 47 57 2772.63 -28.08 79.83 61.78 93.81 7 34 10 2172.6 -27.26 71.26
 90.00 19 30 33 5230.38 26.51 235.39 58.78 79.67 20 57 44 4630.4 24.82 227.13
 100.00 8 10 42 2505.74 -29.62 60.08 61.65 94.23 8 52 27 1905.7 -28.72 51.39
 100.00 20 50 30 4972.50 28.03 216.11 58.46 79.16 22 13 22 4372.5 26.24 207.76
 110.00 9 22 9 2282.08 -33.80 42.68 61.24 95.45 10 0 11 1682.1 -32.67 33.63
 110.00 21 55 32 4768.92 32.14 199.69 57.49 77.67 23 15 1 4168.9 30.10 191.06

DIFFERENTIAL CORRECTIONS

TDE .7210 TRA-1.7763 TC3 -.1322 BAU .2611
 RDE -.8681 RRA -.4812 RC3 .0233 FAU .01372
 FDE -.3869 FRA .7314 FC3 -.0816 BSP 2667
 BDE 1.1285 BRA 1.8403 BC3 .1342 FSP -84

MID-COURSE EXECUTION ACCURACY

SGT 965.8 SGR 475.0 SG3 38.0
 RRT .0745 RRF -.0714 RTF -.6920
 SGB 1076.3 R23 -.0036 R13 -.6923
 SGI 966.7 SG2 475.2 THA 2.76

ORBIT DETERMINATION ACCURACY

ST 426.2 SR 418.0 SS 398.6
 CRT -.6951 CRS -.7762 CST .9915
 LSA 673.6 MSA 247.6 SSA 14.8
 EL1 549.6 EL2 233.0 ALF 135.79

LAUNCH DATE MAY 11 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 30 1967

HELIOCENTRIC CONIC

DISTANCE 163.585

RL 151.09 LAL -.00 LOL 229.63 VL 20.039 GAL 16.09 AZL 92.05 HCA 57.35 SMA 97.93 ECC .59066 INC 2.0524 V1 29.490
 RP 108.88 LAP -1.73 LOP 286.96 VP 32.903 GAP -35.71 AZP 91.11 TAL 168.10 TAP 225.45 RCA 40.09 APO 155.77 V2 34.805
 RC 60.850 GL -3.44 GP 2.31 ZAL 63.33 ZAP 22.88 ETS 187.53 ZAE 146.43 ETE 166.66 ZAC 133.03 ETC 24.00 CLP 22.77

PLANETOCENTRIC CONIC

C3 132.062 VHL 11.492 DLA 2.21 RAL 166.11 RAD 6570.4 VEL 15.918 PTH 2.81 VHP 20.948 DPA 22.69 RAP 133.54 ECC 3.1734
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 56 39 2729.90 -27.85 76.72 60.67 95.35 7 42 9 2129.9 -26.82 68.21
 90.00 19 27 29 5236.79 26.59 235.85 58.49 79.88 20 54 46 4636.8 24.92 227.57
 100.00 8 19 1 2464.20 -29.37 57.02 60.50 95.83 9 0 6 1864.2 -28.25 48.39
 100.00 20 47 48 4977.72 28.09 216.48 58.18 79.34 22 10 46 4377.7 26.33 208.12
 110.00 9 29 38 2243.20 -33.51 39.69 59.95 97.21 10 7 1 1643.2 -32.15 30.72
 110.00 21 53 41 4771.49 32.17 199.88 57.23 77.77 23 13 12 4171.5 30.15 191.24

DIFFERENTIAL CORRECTIONS

TDE .7220 TRA-1.7806 TC3 -.1380 BAU .2483
 RDE -.8284 RRA -.4656 RC3 .0269 FAU .01396
 FDE -.4047 FRA .7552 FC3 -.0915 BSP 2789
 BDE 1.0989 BRA 1.8403 BC3 .1406 FSP -92

MID-COURSE EXECUTION ACCURACY

SGT 1009.7 SGR 477.9 SG3 41.2
 RRT .0789 RRF -.0756 RTF -.7084
 SGB 1117.1 R23 -.0037 R13 -.7087
 SGI 1010.6 SG2 476.0 THA 2.75

ORBIT DETERMINATION ACCURACY

ST 448.0 SR 418.9 SS 418.8
 CRT -.6934 CRS -.7785 CST .9908
 LSA 698.5 MSA 251.8 SSA 15.0
 EL1 564.6 EL2 239.5 ALF 137.77

LAUNCH DATE MAY 11 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 1 1967

HELIOCENTRIC CONIC

DISTANCE 169.768

RL 151.09 LAL -.00 LOL 229.63 VL 20.561 GAL 15.40 AZL 92.17 HCA 60.51 SMA 99.49 ECC .56625 INC 2.1674 V1 29.490
 RP 108.90 LAP -1.89 LOP 290.13 VP 33.218 GAP -34.11 AZP 91.07 TAL 167.43 TAP 227.94 RCA 43.15 APO 155.82 V2 34.800
 RC 58.919 GL -3.93 GP 2.40 ZAL 62.45 ZAP 21.46 ETS 188.07 ZAE 147.39 ETE 165.22 ZAC 131.39 ETC 23.34 CLP 21.33

PLANETOCENTRIC CONIC

C3 119.898 VHL 10.950 DLA 1.42 RAL 166.75 RAD 6570.2 VEL 15.532 PTH 2.77 VHP 20.108 DPA 22.35 RAP 135.38 ECC 2.9732
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 5 6 2686.33 -27.53 73.58 59.46 96.89 7 49 53 2086.3 -26.29 65.13
 90.00 19 24 8 5242.58 26.66 236.26 58.08 80.08 20 51 30 4642.6 25.02 227.97
 100.00 8 27 6 2421.83 -29.04 53.91 59.25 97.43 9 7 28 1821.8 -27.71 45.36
 100.00 20 44 49 4982.32 28.15 216.81 57.78 79.51 22 7 51 4382.3 26.41 208.44
 110.00 9 36 52 2203.49 -33.13 36.65 58.56 98.97 10 13 35 1603.5 -31.53 27.78
 110.00 21 51 33 4773.42 32.20 200.02 56.84 77.85 23 11 6 4173.4 30.19 191.38

DIFFERENTIAL CORRECTIONS

TDE .7250 TRA-1.7819 TC3 -.1427 BAU .2340
 RDE -.7892 RRA -.4497 RC3 .0310 FAU .01423
 FDE -.4235 FRA .7792 FC3 -.1028 BSP 2965
 BDE 1.0717 BRA 1.8378 BC3 .1460 FSP -102

MID-COURSE EXECUTION ACCURACY

SGT 1054.3 SGR 480.1 SG3 44.6
 RRT .0824 RRF -.0798 RTF -.7247
 SGB 1158.4 R23 -.0046 R13 -.7250
 SGI 1055.2 SG2 478.1 THA 2.70

ORBIT DETERMINATION ACCURACY

ST 471.5 SR 418.9 SS 440.0
 CRT -.6932 CRS -.7810 CST .9903
 LSA 725.3 MSA 255.0 SSA 15.2
 EL1 581.2 EL2 245.0 ALF 139.85

LAUNCH DATE MAY 11 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 3 1967

HELIOCENTRIC CONIC

DISTANCE 176.021

RL 151.09 LAL -.00 LOL 229.63 VL 21.050 GAL 14.74 AZL 92.28 HCA 63.67 SMA 101.02 ECC .54260 INC 2.2755 V1 29.490
 RP 108.91 LAP -2.04 LOP 293.29 VP 33.518 GAP -32.59 AZP 91.01 TAL 166.78 TAP 230.45 RCA 46.21 APO 155.84 V2 34.795
 RC 57.057 GL -4.44 GP 2.50 ZAL 61.63 ZAP 20.06 ETS 188.72 ZAE 148.45 ETE 163.59 ZAC 129.73 ETC 22.72 CLP 19.91

PLANETOCENTRIC CONIC

C3 108.891 VHL 10.435 DLA .62 RAL 167.32 RAD 6570.1 VEL 15.173 PTH 2.72 VHP 19.297 DPA 21.99 RAP 137.22 ECC 2.7921
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 13 19 2641.92 -27.13 70.39 58.15 98.44 7 57 21 2041.9 -25.68 62.02
 90.00 19 20 28 5247.84 26.72 236.63 57.56 80.26 20 47 56 4647.8 25.10 228.33
 100.00 8 34 57 2378.61 -28.62 50.77 57.89 99.03 9 14 36 1778.6 -27.07 42.31
 100.00 20 41 31 4986.37 28.20 217.10 57.27 79.65 22 4 38 4386.4 26.48 208.72
 110.00 9 43 51 2162.95 -32.65 33.58 57.07 100.72 10 19 54 1562.9 -30.83 24.83
 110.00 21 49 7 4774.80 32.22 200.12 56.34 77.91 23 8 42 4174.8 30.22 191.48

DIFFERENTIAL CORRECTIONS

TDE .7283 TRA-1.7817 TC3 -.1465 BAU .2195
 RDE -.7505 RRA -.4336 RC3 .0355 FAU .01455
 FDE -.4433 FRA .8035 FC3 -.1156 BSP 3155
 BDE 1.0458 BRA 1.8337 BC3 .1508 FSP -112

MID-COURSE EXECUTION ACCURACY

SGT 1100.3 SGR 481.6 SG3 48.3
 RRT .0858 RRF -.0841 RTF -.7404
 SGB 1201.1 R23 -.0057 R13 -.7407
 SGI 1101.2 SG2 479.4 THA 2.65

ORBIT DETERMINATION ACCURACY

ST 496.1 SR 418.2 SS 462.1
 CRT -.6932 CRS -.7836 CST .9899
 LSA 753.6 MSA 257.6 SSA 15.3
 EL1 598.9 EL2 249.7 ALF 141.95

LAUNCH DATE MAY 11 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 5 1967

HELIOCENTRIC CONIC

DISTANCE 182.336

RL 151.09 LAL -.00 LOL 229.63 VL 21.507 GAL 14.09 AZL 92.38 MCA 66.83 SMA 102.54 ECC .51975 INC 2.3777 V1 29.490
 RP 108.92 LAP -2.19 LOP 296.45 VP 33.804 GAP -31.13 AZP 90.34 TAL 166.15 TAP 232.99 RCA 49.25 APO 155.84 V2 34.792
 RC 55.270 GL -4.99 GP 2.60 ZAL 60.88 ZAP 18.68 ETS 189.49 ZAE 149.63 ETE 161.73 ZAC 128.05 ETC 22.14 CLP 18.50

PLANETOCENTRIC CONIC

C3 98.932 VHL 9.946 DLA -.19 RAL 167.82 RAD 6569.9 VEL 14.842 PTH 2.68 VMP 18.512 DPA 21.62 RAP 139.07 ECC 2.6282
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 21 19 2596.63 -26.64 67.17 56.74 99.99 8 4 36 1996.6 -24.98 58.89
 90.00 19 16 29 5252.66 26.77 236.97 56.92 80.42 20 44 2 4652.7 25.18 228.67
 100.00 8 42 34 2334.54 -28.10 47.59 56.44 100.63 9 21 29 1734.5 -26.35 39.23
 100.00 20 37 55 4989.99 28.24 217.36 56.64 79.78 22 1 5 4390.0 26.54 208.98
 110.00 9 50 37 2121.56 -32.09 30.48 55.50 102.47 10 25 58 1521.6 -30.04 21.87
 110.00 21 46 22 4775.73 32.23 200.19 55.73 77.95 23 5 58 4175.7 30.24 191.55

DIFFERENTIAL CORRECTIONS

TOE .7314 TRA-1.7803 TC3 -.1495 BAU .2049
 RDE -.7124 RRA -.4173 RC3 .0406 FAU .01489
 FDE -.4640 FRA .8283 FC3 -.1303 BSP 3347
 BDE 1.0210 BRA 1.8286 BC3 .1549 FSP -123

MID-COURSE EXECUTION ACCURACY

SGT 1147.9 SGR 482.4 SG3 52.3
 RRT .0897 RRF -.0889 RTF -.7555
 SGB 1245.2 R23 -.0068 R13 -.7558
 SG1 1148.9 SG2 480.0 TMA 2.61

ORBIT DETERMINATION ACCURACY

ST 521.8 SR 416.7 SS 485.1
 CRT -.6933 CRS -.7861 CST .9894
 LSA 783.3 MSA 259.6 SSA 15.5
 EL1 617.7 EL2 253.7 ALF 144.06

LAUNCH DATE MAY 11 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 7 1967

HELIOCENTRIC CONIC

DISTANCE 188.709

RL 151.09 LAL -.00 LOL 229.63 VL 21.935 GAL 13.47 AZL 92.48 MCA 70.00 SMA 104.04 ECC .49772 INC 2.4753 V1 29.490
 RP 108.93 LAP -2.33 LOP 299.61 VP 34.074 GAP -29.74 AZP 90.85 TAL 165.56 TAP 235.56 RCA 52.26 APO 155.82 V2 34.789
 RC 53.566 GL -5.58 GP 2.71 ZAL 60.19 ZAP 17.31 ETS 190.43 ZAE 150.90 ETE 159.60 ZAC 126.37 ETC 21.59 CLP 17.10

PLANETOCENTRIC CONIC

C3 89.920 VHL 9.483 DLA -1.01 RAL 168.26 RAD 6569.8 VEL 14.535 PTH 2.64 VMP 17.753 DPA 21.24 RAP 140.91 ECC 2.4799
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 29 6 2550.47 -26.05 63.91 55.25 101.52 8 11 37 1950.5 -24.20 55.73
 90.00 19 12 9 5257.18 26.83 237.29 56.18 80.57 20 39 46 4657.2 25.25 228.98
 100.00 8 49 59 2289.60 -27.50 44.39 54.91 102.21 9 28 8 1689.6 -25.54 36.14
 100.00 20 33 58 4993.29 28.28 217.60 55.90 79.90 21 57 11 4393.3 26.60 209.21
 110.00 9 57 9 2079.35 -31.42 27.37 53.85 104.21 10 31 48 1479.4 -29.15 18.90
 110.00 21 43 17 4776.30 32.24 200.23 55.00 77.97 23 2 54 4176.3 30.25 191.59

DIFFERENTIAL CORRECTIONS

TOE .7318 TRA-1.7805 TC3 -.1526 BAU .1916
 RDE -.6750 RRA -.4011 RC3 .0462 FAU .01525
 FDE -.4855 FRA .8542 FC3 -.1468 BSP 3479
 BDE .9956 BRA 1.8251 BC3 .1594 FSP -134

MID-COURSE EXECUTION ACCURACY

SGT 1198.7 SGR 482.5 SG3 56.7
 RRT .0953 RRF -.0945 RTF -.7690
 SGB 1292.2 R23 -.0073 R13 -.7693
 SG1 1199.8 SG2 479.8 TMA 2.61

ORBIT DETERMINATION ACCURACY

ST 547.5 SR 414.3 SS 509.0
 CRT -.6916 CRS -.7882 CST .9887
 LSA 813.6 MSA 261.4 SSA 15.7
 EL1 636.5 EL2 257.4 ALF 146.11

LAUNCH DATE MAY 11 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC

DISTANCE 195.135

RL 151.09 LAL -.00 LOL 229.63 VL 22.335 GAL 12.87 AZL 92.57 MCA 73.16 SMA 105.50 ECC .47653 INC 2.5690 V1 29.490
 RP 108.94 LAP -2.46 LOP 302.77 VP 34.331 GAP -28.40 AZP 90.74 TAL 165.00 TAP 238.15 RCA 55.23 APO 155.78 V2 34.786
 RC 51.953 GL -6.20 GP 2.83 ZAL 59.57 ZAP 15.95 ETS 191.57 ZAE 152.27 ETE 157.13 ZAC 124.67 ETC 21.07 CLP 15.70

PLANETOCENTRIC CONIC

C3 81.766 VHL 9.042 DLA -1.84 RAL 168.62 RAD 6569.6 VEL 14.252 PTH 2.59 VMP 17.019 DPA 20.85 RAP 142.76 ECC 2.3457
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 36 42 2503.44 -25.37 60.64 53.68 103.02 8 18 25 1903.4 -23.32 52.56
 90.00 19 7 27 5261.54 26.87 237.60 55.33 80.72 20 35 8 4661.5 25.32 229.28
 100.00 8 57 11 2243.81 -26.80 41.17 53.30 103.77 9 34 35 1643.8 -24.64 33.03
 100.00 20 29 39 4996.40 28.32 217.83 55.05 80.01 21 52 55 4396.4 26.65 209.42
 110.00 10 3 28 2036.33 -30.66 24.25 52.13 105.91 10 37 24 1436.3 -28.18 15.94
 110.00 21 39 51 4776.64 32.25 200.26 54.17 77.99 22 59 28 4176.6 30.26 191.61

DIFFERENTIAL CORRECTIONS

TOE .7349 TRA-1.7763 TC3 -.1532 BAU .1770
 RDE -.6382 RRA -.3849 RC3 .0525 FAU .01567
 FDE -.5088 FRA .8802 FC3 -.1660 BSP 3678
 BDE .9733 BRA 1.8175 BC3 .1620 FSP -148

MID-COURSE EXECUTION ACCURACY

SGT 1249.7 SGR 481.7 SG3 61.4
 RRT .0999 RRF -.1002 RTF -.7827
 SGB 1339.3 R23 -.0086 R13 -.7830
 SG1 1250.8 SG2 478.9 TMA 2.58

ORBIT DETERMINATION ACCURACY

ST 575.4 SR 410.9 SS 534.3
 CRT -.6919 CRS -.7908 CST .9882
 LSA 846.4 MSA 262.1 SSA 15.8
 EL1 657.7 EL2 259.6 ALF 148.18

LAUNCH DATE MAY 11 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 201.610

RL 151.09 LAL -.00 LOL 229.63 VL 22.709 GAL 12.30 AZL 92.66 MCA 76.32 SMA 106.94 ECC .45618 INC 2.6595 V1 29.490
 RP 108.94 LAP -2.58 LOP 305.93 VP 34.574 GAP -27.12 AZP 90.63 TAL 164.47 TAP 240.78 RCA 58.15 APO 155.72 V2 34.785
 RC 50.440 GL -6.86 GP 2.97 ZAL 59.02 ZAP 14.60 ETS 192.98 ZAE 153.72 ETE 154.25 ZAC 122.96 ETC 20.58 CLP 14.30

PLANETOCENTRIC CONIC

C3 74.391 VHL 8.625 DLA -2.68 RAL 168.91 RAD 6569.4 VEL 13.991 PTH 2.55 VMP 16.310 DPA 20.46 RAP 144.60 ECC 2.2243
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 44 6 2455.55 -24.59 57.34 52.04 104.50 8 25 2 1855.5 -22.36 49.38
 90.00 19 2 21 5265.87 26.92 237.91 54.38 80.87 20 30 7 4665.9 25.38 229.58
 100.00 9 4 12 2197.19 -26.00 37.93 51.63 105.29 9 40 49 1597.2 -23.65 29.92
 100.00 20 24 57 4999.47 28.36 218.05 54.11 80.12 21 48 16 4399.5 26.70 209.64
 110.00 10 9 34 1992.53 -29.80 21.13 50.36 107.57 10 42 47 1392.5 -27.11 12.97
 110.00 21 36 3 4776.89 32.25 200.28 53.23 78.00 22 55 40 4176.9 30.26 191.63

DIFFERENTIAL CORRECTIONS

TOE .7380 TRA-1.7709 TC3 -.1523 BAU .1627
 RDE -.6020 RRA -.3688 RC3 .0595 FAU .01614
 FDE -.5335 FRA .9071 FC3 -.1878 BSP 3877
 BDE .9524 BRA 1.8089 BC3 .1635 FSP -163

MID-COURSE EXECUTION ACCURACY

SGT 1302.4 SGR 480.3 SG3 66.6
 RRT .1052 RRF -.1066 RTF -.7957
 SGB 1388.1 R23 -.0100 R13 -.7960
 SG1 1303.5 SG2 477.2 TMA 2.57

ORBIT DETERMINATION ACCURACY

ST 604.3 SR 406.7 SS 560.9
 CRT -.6921 CRS -.7932 CST .9877
 LSA 881.0 MSA 262.2 SSA 15.9
 EL1 680.1 EL2 260.8 ALF 150.22

LAUNCH DATE MAY 11 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC
 RL 151.09 LAL -.00 LOL 229.63 VL 23.059 GAL 11.74 AZL 92.75 MCA 79.48 SMA 108.34 ECC .43669 INC 2.7477 V1 29.490
 RP 108.94 LAP -2.70 LOP 309.10 VP 34.805 GAP -25.89 AZP 90.50 TAL 163.97 TAP 243.45 RCA 61.03 APO 155.64 V2 34.784
 RC 49.035 GL -7.56 GP 3.12 ZAL 58.54 ZAP 13.27 ETS 194.75 ZAE 155.23 ETE 150.85 ZAC 121.24 ETC 20.12 CLP 12.91

PLANETOCENTRIC CONIC
 C3 67.725 VHL 8.230 DLA -3.54 RAL 169.13 RAD 6569.0 VEL 13.751 PTH 2.51 VMP 15.623 DPA 20.06 RAP 146.44 ECC 2.1146
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 51 21 2406.80 -23.72 54.04 50.35 105.93 8 31 28 1806.8 -21.31 46.20
 90.00 18 56 50 5270.37 26.97 238.23 53.33 81.02 20 24 40 4670.4 25.45 229.89
 100.00 9 11 2 2149.74 -25.11 34.69 49.90 106.78 9 46 52 1549.7 -22.57 26.81
 100.00 20 19 49 5002.66 28.39 218.28 53.07 80.24 21 43 12 4402.7 26.75 209.86
 110.00 10 15 29 1947.97 -28.85 18.01 48.54 109.19 10 47 57 1348.0 -25.96 10.02
 110.00 21 31 52 4777.19 32.25 200.30 52.21 78.01 22 51 29 4177.2 30.27 191.65

DIFFERENTIAL CORRECTIONS
 TOE .7414 TRA-1.7634 TC3 -.1495 BAU .1484
 RDE -.5666 RRA -.3530 RC3 .0673 FAU .01665
 FDE -.5601 FRA .9347 FC3 -.2129 BSP 4085
 BDE .9331 BRA 1.7984 BC3 .1639 FSP -179

MID-COURSE EXECUTION ACCURACY
 SGT 1356.5 SGR 478.0 SG3 72.3
 RRT .1111 RRF -.1138 RTF -.8081
 SGB 1438.3 R23 -.0116 R13 -.8084
 SGI 1357.7 SG2 474.7 THA 2.55

ORBIT DETERMINATION ACCURACY
 ST 634.6 SR 401.4 SS 589.1
 CRT -.6926 CRS -.7956 CST .9873
 LSA 917.7 MSA 261.5 SSA 16.1
 EL1 704.0 EL2 260.9 ALF 152.20

LAUNCH DATE MAY 11 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC
 RL 151.09 LAL -.00 LOL 229.63 VL 23.387 GAL 11.20 AZL 92.83 MCA 82.64 SMA 109.70 ECC .41804 INC 2.8341 V1 29.490
 RP 108.94 LAP -2.81 LOP 312.26 VP 35.022 GAP -24.71 AZP 90.36 TAL 163.51 TAP 246.15 RCA 63.84 APO 155.55 V2 34.784
 RC 47.750 GL -8.30 GP 3.28 ZAL 58.13 ZAP 11.96 ETS 197.00 ZAE 156.78 ETE 146.41 ZAC 119.52 ETC 19.69 CLP 11.51

PLANETOCENTRIC CONIC
 C3 61.702 VHL 7.855 DLA -4.41 RAL 169.27 RAD 6569.2 VEL 13.530 PTH 2.47 VMP 14.959 DPA 19.66 RAP 148.27 ECC 2.0155
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 58 26 2357.22 -22.75 50.72 48.61 107.32 8 37 44 1757.2 -20.17 43.01
 90.00 18 50 51 5275.20 27.02 238.57 52.20 81.19 20 18 46 4675.2 25.52 230.23
 100.00 9 17 43 2101.49 -24.12 31.44 48.13 108.21 9 52 44 1501.5 -21.41 23.70
 100.00 20 14 16 5006.16 28.43 218.53 51.94 80.37 21 37 42 4406.2 26.81 210.10
 110.00 10 21 13 1902.69 -27.79 14.91 46.69 110.75 10 52 56 1302.7 -24.72 7.09
 110.00 21 27 15 4777.72 32.26 200.34 51.09 78.03 22 46 53 4177.7 30.28 191.69

DIFFERENTIAL CORRECTIONS
 TOE .7452 TRA-1.7541 TC3 -.1444 BAU .1345
 RDE -.5319 RRA -.3375 RC3 .0758 FAU .01722
 FDE -.5888 FRA .9631 FC3 -.2414 BSP 4295
 BDE .9155 BRA 1.7863 BC3 .1631 FSP -196

MID-COURSE EXECUTION ACCURACY
 SGT 1412.0 SGR 475.0 SG3 78.5
 RRT .1177 RRF -.1218 RTF -.8199
 SGB 1489.7 R23 -.0133 R13 -.8202
 SGI 1413.2 SG2 471.3 THA 2.55

ORBIT DETERMINATION ACCURACY
 ST 686.1 SR 395.0 SS 618.8
 CRT -.6932 CRS -.7980 CST .9868
 LSA 956.5 MSA 260.0 SSA 16.2
 EL1 729.5 EL2 259.9 ALF 154.13

LAUNCH DATE MAY 11 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC
 RL 151.09 LAL -.00 LOL 229.63 VL 23.692 GAL 10.69 AZL 92.92 MCA 85.80 SMA 111.02 ECC .40025 INC 2.9192 V1 29.490
 RP 108.94 LAP -2.91 LOP 315.42 VP 35.228 GAP -23.57 AZP 90.21 TAL 163.09 TAP 248.88 RCA 66.58 APO 155.45 V2 34.785
 RC 46.594 GL -9.09 GP 3.46 ZAL 57.80 ZAP 10.68 ETS 199.90 ZAE 158.32 ETE 141.98 ZAC 117.80 ETC 19.28 CLP 10.11

PLANETOCENTRIC CONIC
 C3 56.266 VHL 7.501 DLA -5.30 RAL 169.33 RAD 6569.0 VEL 13.328 PTH 2.44 VMP 14.317 DPA 19.26 RAP 150.09 ECC 1.9260
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 5 24 2306.81 -21.69 47.41 46.83 108.66 8 43 51 1706.8 -18.95 39.81
 90.00 18 44 23 5280.57 27.07 238.96 50.98 81.37 20 12 24 4680.6 25.60 230.60
 100.00 9 24 15 2052.47 -23.04 28.20 46.32 109.59 9 58 27 1452.5 -20.16 20.59
 100.00 20 8 14 5010.14 28.48 218.82 50.73 80.51 21 31 44 4410.1 26.87 210.38
 110.00 10 26 46 1856.74 -26.65 11.83 44.80 112.25 10 57 43 1256.7 -23.39 4.18
 110.00 21 22 12 4778.64 32.27 200.41 49.90 78.07 22 41 50 4178.6 30.30 191.75

DIFFERENTIAL CORRECTIONS
 TOE .7492 TRA-1.7433 TC3 -.1368 BAU .1212
 RDE -.4979 RRA -.3224 RC3 .0853 FAU .01785
 FDE -.6198 FRA .9926 FC3 -.2746 BSP 4506
 BDE .8995 BRA 1.7729 BC3 .1612 FSP -216

MID-COURSE EXECUTION ACCURACY
 SGT 1469.0 SGR 471.3 SG3 85.3
 RRT .1254 RRF -.1311 RTF -.8311
 SGB 1542.8 R23 -.0152 R13 -.8314
 SGI 1470.3 SG2 467.2 THA 2.56

ORBIT DETERMINATION ACCURACY
 ST 698.9 SR 387.5 SS 650.4
 CRT -.6938 CRS -.8003 CST .9864
 LSA 997.4 MSA 257.9 SSA 16.3
 EL1 756.4 EL2 257.9 ALF 156.00

LAUNCH DATE MAY 11 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC
 RL 151.09 LAL -.00 LOL 229.63 VL 23.978 GAL 10.19 AZL 93.00 MCA 88.96 SMA 112.30 ECC .38329 INC 3.0037 V1 29.490
 RP 108.94 LAP -3.00 LOP 318.59 VP 35.422 GAP -22.48 AZP 90.05 TAL 162.70 TAP 251.66 RCA 69.25 APO 155.34 V2 34.786
 RC 45.578 GL -9.94 GP 3.65 ZAL 57.55 ZAP 9.43 ETS 203.74 ZAE 159.79 ETE 136.20 ZAC 116.07 ETC 18.90 CLP 8.70

PLANETOCENTRIC CONIC
 C3 51.364 VHL 7.167 DLA -6.21 RAL 169.31 RAD 6568.9 VEL 13.142 PTH 2.40 VMP 13.695 DPA 18.87 RAP 151.91 ECC 1.8453
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 12 16 2255.60 -20.54 44.10 45.02 109.93 8 49 52 1655.6 17.64 36.62
 90.00 18 37 24 5286.70 27.14 239.40 49.69 81.58 20 5 30 4686.7 25.69 231.03
 100.00 9 30 40 2002.71 -21.87 24.97 44.49 110.91 10 4 2 1402.7 -18.83 17.50
 100.00 20 1 41 5014.83 28.53 219.16 49.45 80.68 21 25 16 4414.8 26.95 210.71
 110.00 10 32 10 1810.16 -25.41 8.77 42.91 113.68 11 2 20 1210.2 -21.99 1.29
 110.00 21 16 41 4780.14 32.30 200.52 48.63 78.14 22 36 21 4180.1 30.32 191.86

DIFFERENTIAL CORRECTIONS
 TOE .7539 TRA-1.7305 TC3 -.1262 BAU .1087
 RDE -.4646 RRA -.3078 RC3 .0956 FAU .01854
 FDE -.6536 FRA 1.0233 FC3 -.3126 BSP 4724
 BDE .8859 BRA 1.7577 BC3 .1584 FSP -237

MID-COURSE EXECUTION ACCURACY
 SGT 1527.3 SGR 466.9 SG3 92.7
 RRT .1344 RRF -.1418 RTF -.8416
 SGB 1597.1 R23 -.0174 R13 -.8420
 SGI 1528.7 SG2 462.2 THA 2.59

ORBIT DETERMINATION ACCURACY
 ST 733.2 SR 378.8 SS 684.1
 CRT -.6945 CRS -.8024 CST .9860
 LSA 1041.0 MSA 255.1 SSA 16.4
 EL1 785.0 EL2 254.5 ALF 157.81

LAUNCH DATE MAY 11 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 234.541

RL 151.09 LAL -.00 LOL 229.63 VL 24.244 GAL 9.71 AZL 93.09 HCA 92.12 SMA 113.53 ECC .36717 INC 3.0880 V1 29.490
 RP 108.93 LAP -3.09 LOP 321.75 VP 35.605 GAP -21.42 AZP 89.89 TAL 162.36 TAP 254.47 RCA 71.84 APO 155.21 V2 34.788
 RC 44.711 GL -10.83 GP 3.87 ZAL 57.37 ZAP 8.24 ETS 208.89 ZAE 161.13 ETE 129.32 ZAC 114.35 ETC 18.53 CLP 7.28

PLANETOCENTRIC CONIC

C3 46.948 VHL 6.852 CLA -7.14 RAL 169.22 RAD 6568.8 VEL 12.973 PTH 2.37 VHP 13.095 DPA 18.49 RAP 153.71 ECC 1.7726
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 19 3 2203.61 -19.30 40.79 43.19 111.13 8 55 46 1603.6 -16.26 33.43
 90.00 18 29 51 5293.80 27.21 239.90 48.34 81.83 19 58 5 4693.8 25.80 231.52
 100.00 9 36 58 1952.22 -20.60 21.75 42.64 112.15 10 9 30 1352.2 -17.42 14.41
 100.00 19 54 37 5020.43 28.59 219.56 48.10 80.89 21 18 17 4420.4 27.04 211.10
 110.00 10 37 24 1763.00 -24.08 5.75 41.00 115.02 11 6 47 1163.0 -20.51 358.43
 110.00 21 10 40 4782.42 32.33 200.69 47.30 78.23 22 30 22 4182.4 30.37 192.02

DIFFERENTIAL CORRECTIONS

TDE .7566 TRA-1.7184 TC3 -.1146 BAU .0983
 RDE -.4320 RRA -.2938 RC3 .1069 FAU .01928
 FDE -.6901 FRA 1.0559 FC3 -.3556 BSP 4881
 BDE .8712 BRA 1.7433 BC3 .1567 FSP -260

MID-COURSE EXECUTION ACCURACY

SGT 1588.1 SGR 461.8 SG3 100.8
 RRT .1460 RRF -.1545 RTF -.8509
 SGB 1653.9 R23 -.0193 R13 -.8512
 SGI 1589.6 SG2 456.4 TMA 2.65

ORBIT DETERMINATION ACCURACY

ST 767.5 SR 368.8 SS 719.5
 CRT -.6934 CRS -.8039 CST .9854
 LSA 1085.8 MSA 252.2 SSA 16.5
 EL1 813.8 EL2 250.6 ALF 159.55

LAUNCH DATE MAY 11 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 241.209

RL 151.09 LAL -.00 LOL 229.63 VL 24.493 GAL 9.26 AZL 93.17 HCA 95.28 SMA 114.72 ECC .35186 INC 3.1726 V1 29.490
 RP 108.92 LAP -3.16 LOP 324.92 VP 35.777 GAP -20.41 AZP 89.71 TAL 162.05 TAP 257.33 RCA 74.35 APO 155.08 V2 34.791
 RC 44.000 GL -11.78 GP 4.11 ZAL 57.28 ZAP 7.14 ETS 215.95 ZAE 162.23 ETE 121.25 ZAC 112.63 ETC 18.19 CLP 5.84

PLANETOCENTRIC CONIC

C3 42.976 VHL 6.556 CLA -8.09 RAL 169.04 RAD 6568.6 VEL 12.820 PTH 2.33 VHP 12.514 DPA 18.12 RAP 155.51 ECC 1.7073
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 25 46 2150.84 -17.97 37.49 41.36 112.26 9 1 37 1550.8 -14.80 30.25
 90.00 18 21 42 5302.13 27.29 240.50 46.93 82.12 19 50 4 4702.1 25.91 232.10
 100.00 9 43 12 1901.04 -19.26 18.55 40.79 113.31 10 14 53 1301.0 -15.94 11.33
 100.00 19 46 57 5027.17 28.66 220.05 46.70 81.13 21 10 44 4427.2 27.14 211.58
 110.00 10 42 31 1715.29 -22.68 2.76 39.09 116.29 11 11 6 1115.3 -18.96 355.60
 110.00 21 4 7 4785.68 32.37 200.93 45.92 78.37 22 23 53 4185.7 30.43 192.26

DIFFERENTIAL CORRECTIONS

TDE .7626 TRA-1.7017 TC3 -.0973 BAU .0884
 RDE -.4000 RRA -.2805 RC3 .1193 FAU .02013
 FDE -.7307 FRA 1.0892 FC3 -.4055 BSP 5099
 BDE .8611 BRA 1.7247 BC3 .1539 FSP -286

MID-COURSE EXECUTION ACCURACY

SGT 1648.4 SGR 456.0 SG3 109.8
 RRT .1584 RRF -.1691 RTF -.8603
 SGB 1710.3 R23 -.0221 R13 -.8607
 SGI 1650.1 SG2 449.8 TMA 2.71

ORBIT DETERMINATION ACCURACY

ST 804.6 SR 357.4 SS 757.9
 CRT -.6938 CRS -.8053 CST .9852
 LSA 1134.7 MSA 248.1 SSA 16.6
 EL1 845.6 EL2 244.9 ALF 161.24

LAUNCH DATE MAY 11 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 247.895

RL 151.09 LAL -.00 LOL 229.63 VL 24.724 GAL 8.82 AZL 93.26 HCA 98.44 SMA 115.86 ECC .33735 INC 3.2582 V1 29.490
 RP 108.91 LAP -3.22 LOP 328.09 VP 35.939 GAP -19.43 AZP 89.52 TAL 161.79 TAP 260.22 RCA 76.77 APO 154.94 V2 34.795
 RC 43.455 GL -12.78 GP 4.38 ZAL 57.26 ZAP 6.20 ETS 225.66 ZAE 162.99 ETE 112.09 ZAC 110.92 ETC 17.87 CLP 4.40

PLANETOCENTRIC CONIC

C3 39.408 VHL 6.278 CLA -9.08 RAL 168.77 RAD 6568.5 VEL 12.680 PTH 2.30 VHP 11.953 DPA 17.76 RAP 157.29 ECC 1.6486
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 32 28 2097.30 -16.56 34.19 39.52 113.30 9 7 25 1497.3 -13.27 27.06
 90.00 18 12 55 5311.93 27.38 241.20 45.47 82.46 19 41 27 4711.9 26.05 232.79
 100.00 9 49 22 1849.18 -17.83 15.36 38.93 114.40 10 20 11 1249.2 -14.39 8.26
 100.00 19 38 41 5035.29 28.75 220.64 45.25 81.43 21 2 36 4435.3 27.26 212.15
 110.00 10 47 31 1667.10 -21.19 359.81 37.19 117.47 11 15 18 1067.1 -17.35 352.79
 110.00 20 57 2 4790.14 32.43 201.27 44.49 78.56 22 16 52 4190.1 30.52 192.58

DIFFERENTIAL CORRECTIONS

TDE .7697 TRA-1.6830 TC3 -.0759 BAU .0806
 RDE -.3685 RRA -.2680 RC3 .1327 FAU .02107
 FDE -.7758 FRA 1.1242 FC3 -.4628 BSP 5321
 BDE .8534 BRA 1.7042 BC3 .1529 FSP -315

MID-COURSE EXECUTION ACCURACY

SGT 1709.5 SGR 449.7 SG3 119.7
 RRT .1731 RRF -.1863 RTF -.8693
 SGB 1767.6 R23 -.0253 R13 -.8697
 SGI 1711.4 SG2 442.4 TMA 2.80

ORBIT DETERMINATION ACCURACY

ST 843.4 SR 344.5 SS 799.2
 CRT -.6940 CRS -.8062 CST .9850
 LSA 1187.1 MSA 243.3 SSA 16.6
 EL1 879.4 EL2 237.9 ALF 162.88

LAUNCH DATE MAY 11 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 254.597

RL 151.09 LAL -.00 LOL 229.63 VL 24.940 GAL 8.40 AZL 93.35 HCA 101.60 SMA 116.95 ECC .32363 INC 3.3451 V1 29.490
 RP 108.90 LAP -3.28 LOP 331.25 VP 36.092 GAP -18.48 AZP 89.33 TAL 161.56 TAP 263.16 RCA 79.10 APO 154.80 V2 34.799
 RC 43.079 GL -13.84 GP 4.68 ZAL 57.34 ZAP 5.52 ETS 238.69 ZAE 163.32 ETE 102.17 ZAC 109.22 ETC 17.56 CLP 2.93

PLANETOCENTRIC CONIC

C3 36.210 VHL 6.017 CLA -10.09 RAL 168.43 RAD 6568.4 VEL 12.553 PTH 2.27 VHP 11.411 DPA 17.44 RAP 159.05 ECC 1.5959
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 39 10 2042.98 -15.07 30.90 37.68 114.26 9 13 13 1443.0 -11.67 23.87
 90.00 18 3 26 5323.48 27.48 242.03 43.97 82.86 19 32 9 4723.5 26.20 233.60
 100.00 9 55 32 1796.66 -16.32 12.19 37.08 115.39 10 25 28 1196.7 -12.77 5.20
 100.00 19 29 46 5045.04 28.84 221.35 43.76 81.79 20 53 51 4445.0 27.41 212.84
 110.00 10 52 26 1618.45 -19.64 356.89 35.30 118.56 11 19 25 1018.5 -15.67 350.01
 110.00 20 49 21 4796.01 32.51 201.71 43.03 78.81 22 9 17 4196.0 30.63 193.00

DIFFERENTIAL CORRECTIONS

TDE .7774 TRA-1.6627 TC3 -.0503 BAU .0754
 RDE -.3376 RRA -.2563 RC3 .1473 FAU .02210
 FDE -.8258 FRA 1.1611 FC3 -.5285 BSP 5541
 BDE .8476 BRA 1.6823 BC3 .1557 FSP -347

MID-COURSE EXECUTION ACCURACY

SGT 1771.2 SGR 443.0 SG3 130.6
 RRT .1911 RRF -.2067 RTF -.8776
 SGB 1825.8 R23 -.0288 R13 -.8781
 SGI 1773.4 SG2 434.3 TMA 2.91

ORBIT DETERMINATION ACCURACY

ST 883.5 SR 330.0 SS 843.5
 CRT -.6931 CRS -.8061 CST .9848
 LSA 1242.6 MSA 238.2 SSA 16.7
 EL1 914.7 EL2 229.8 ALF 164.48

LAUNCH DATE MAY 11 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 261.309

RL 151.09 LAL -1.00 LOL 229.63 VL 25.140 GAL 8.00 AZL 93.43 HCA 104.77 SMA 118.00 ECC .31067 INC 3.4341 V1 29.490
 RP 108.88 LAP -3.32 LOP 334.42 VP 36.236 GAP -17.57 AZP 89.12 TAL 161.38 TAP 266.14 RCA 81.34 APO 154.65 V2 34.804
 RC 42.876 GL -14.97 GP 5.02 ZAL 57.49 ZAP 5.22 ETS 254.69 ZAE 163.17 ETE 92.07 ZAC 107.53 ETC 17.27 CLP 1.43

PLANETOCENTRIC CONIC

C3 33.349 VHL 5.775 DLA -11.13 RAL 167.99 RAD 6568.3 VEL 12.439 PTH 2.25 VMP 10.887 DPA 17.14 RAP 160.80 ECC 1.5488
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 45 57 1987.86 -13.50 27.61 35.86 115.13 9 19 5 1387.9 -10.00 20.68
 90.00 17 53 12 5337.05 27.59 243.01 42.44 83.34 19 22 9 4737.0 26.38 234.55
 100.00 10 1 42 1743.46 -14.74 9.03 35.24 116.30 10 30 45 1143.5 -11.09 2.14
 100.00 19 20 8 5056.68 28.96 222.19 42.24 82.23 20 44 25 4456.7 27.58 213.66
 110.00 10 57 17 1569.39 -18.02 354.01 33.44 119.55 11 23 26 969.4 -13.94 347.26
 110.00 20 41 2 4803.52 32.61 202.27 41.55 79.13 22 1 6 4203.5 30.77 193.54

DIFFERENTIAL CORRECTIONS

TDE .7893 TRA-1.6379 TC3 -.0174 BAU .0732
 RDE -.3071 RRA -.2457 RC3 .1632 FAU .02328
 FDE -.8824 FRA 1.1992 FC3 -.6044 BSP 5815
 BDE .8469 BRA 1.6562 BC3 .1641 FSP -384

MID-COURSE EXECUTION ACCURACY

SGT 1832.1 SGR 435.9 SG3 142.6
 RRT .2116 RRF -.2308 RTF -.8862
 SGB 1883.3 R23 -.0333 R13 -.8867
 SG1 1834.6 SG2 425.5 THA 3.05

ORBIT DETERMINATION ACCURACY

ST 927.4 SR 313.7 SS 892.0
 CRT -.6928 CRS -.8051 CST .9851
 LSA 1303.9 MSA 231.8 SSA 16.6
 EL1 954.0 EL2 219.9 ALF 166.06

LAUNCH DATE MAY 11 1967

FLIGHT TIME 112.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 268.030

RL 151.09 LAL -1.00 LOL 229.63 VL 25.327 GAL 7.62 AZL 93.53 HCA 107.93 SMA 118.99 ECC .29845 INC 3.5258 V1 29.490
 RP 108.87 LAP -3.35 LOP 337.59 VP 36.371 GAP -16.68 AZP 88.91 TAL 161.24 TAP 269.17 RCA 83.48 APO 154.51 V2 34.809
 RC 42.849 GL -16.15 GP 5.40 ZAL 57.73 ZAP 5.40 ETS 271.51 ZAE 162.55 ETE 82.45 ZAC 105.85 ETC 16.99 CLP -1.09

PLANETOCENTRIC CONIC

C3 30.798 VHL 5.550 DLA -12.20 RAL 167.47 RAD 6568.2 VEL 12.336 PTH 2.22 VMP 10.382 DPA 16.88 RAP 162.54 ECC 1.5069
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 52 50 1931.88 -11.86 24.32 34.06 115.90 9 25 2 1331.9 -8.28 17.47
 90.00 17 42 10 5352.96 27.71 244.16 40.89 83.91 19 11 23 4753.0 26.57 235.68
 100.00 10 7 56 1689.57 -13.09 5.87 33.43 117.11 10 36 6 1089.6 -9.36 359.08
 100.00 19 9 45 5070.51 29.08 223.20 40.71 82.75 20 34 15 4470.5 27.77 214.64
 110.00 11 2 6 1519.93 -16.33 351.17 31.59 120.45 11 27 26 919.9 -12.17 344.53
 110.00 20 32 4 4812.90 32.73 202.98 40.04 79.53 21 52 17 4212.9 30.94 194.22

DIFFERENTIAL CORRECTIONS

TDE .7986 TRA-1.6136 TC3 .0162 BAU .0746
 RDE -.2768 RRA -.2361 RC3 .1803 FAU .02455
 FDE -.9451 FRA 1.2401 FC3 -.6902 BSP 6007
 BDE .8452 BRA 1.6308 BC3 .1811 FSP -424

MID-COURSE EXECUTION ACCURACY

SGT 1893.5 SGR 428.8 SG3 155.9
 RRT .2378 RRF -.2601 RTF -.8931
 SGB 1941.4 R23 -.0380 R13 -.8937
 SG1 1896.4 SG2 415.9 THA 3.24

ORBIT DETERMINATION ACCURACY

ST 970.2 SR 295.4 SS 943.8
 CRT -.6884 CRS -.8019 CST .9850
 LSA 1366.7 MSA 226.0 SSA 16.6
 EL1 992.3 EL2 209.5 ALF 167.60

LAUNCH DATE MAY 11 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 274.756

RL 151.09 LAL -1.00 LOL 229.63 VL 25.500 GAL 7.26 AZL 93.62 HCA 111.09 SMA 119.94 ECC .28696 INC 3.6208 V1 29.490
 RP 108.85 LAP -3.38 LOP 340.77 VP 36.497 GAP -15.83 AZP 88.70 TAL 161.14 TAP 272.23 RCA 85.52 APO 154.36 V2 34.815
 RC 42.995 GL -17.40 GP 5.82 ZAL 58.06 ZAP 6.05 ETS 286.27 ZAE 161.52 ETE 73.82 ZAC 104.20 ETC 16.73 CLP -1.65

PLANETOCENTRIC CONIC

C3 28.529 VHL 5.341 DLA -13.30 RAL 166.87 RAD 6568.1 VEL 12.244 PTH 2.20 VMP 9.895 DPA 16.67 RAP 164.25 ECC 1.4695
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 59 53 1874.98 -10.15 21.02 32.29 116.58 9 31 8 1275.0 -6.50 14.24
 90.00 17 30 16 5371.53 27.83 245.50 39.33 84.57 18 59 47 4771.5 26.79 236.99
 100.00 10 14 17 1634.95 -11.38 2.73 31.65 117.83 10 41 32 1034.9 -7.57 356.01
 100.00 18 58 33 5086.80 29.21 224.40 39.16 83.36 20 23 20 4486.8 27.99 215.81
 110.00 11 6 55 1470.10 -14.59 348.35 29.78 121.26 11 31 25 870.1 -10.35 341.83
 110.00 20 22 24 4824.41 32.87 203.85 38.54 80.03 21 42 49 4224.4 31.14 195.05

DIFFERENTIAL CORRECTIONS

TDE .8126 TRA-1.5862 TC3 .0583 BAU .0790
 RDE -.2466 RRA -.2278 RC3 .1988 FAU .02596
 FDE -1.0160 FRA 1.2836 FC3 -.7879 BSP 6261
 BDE .8492 BRA 1.6025 BC3 .2072 FSP -468

MID-COURSE EXECUTION ACCURACY

SGT 1954.7 SGR 422.0 SG3 170.6
 RRT .2688 RRF -.2950 RTF -.9008
 SGB 1999.7 R23 -.0435 R13 -.9014
 SG1 1958.1 SG2 405.8 THA 3.47

ORBIT DETERMINATION ACCURACY

ST 1017.4 SR 275.1 SS 1000.1
 CRT -.6826 CRS -.7958 CST .9853
 LSA 1436.2 MSA 219.2 SSA 16.5
 EL1 1035.2 EL2 197.6 ALF 169.14

LAUNCH DATE MAY 11 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 281.485

RL 151.09 LAL -1.00 LOL 229.63 VL 25.660 GAL 6.91 AZL 93.72 HCA 114.26 SMA 120.83 ECC .27618 INC 3.7200 V1 29.490
 RP 108.83 LAP -3.39 LOP 343.94 VP 36.616 GAP -15.01 AZP 88.47 TAL 161.07 TAP 275.33 RCA 87.46 APO 154.21 V2 34.822
 RC 43.312 GL -18.72 GP 6.30 ZAL 58.48 ZAP 7.08 ETS 297.65 ZAE 160.16 ETE 66.45 ZAC 102.56 ETC 16.48 CLP -3.24

PLANETOCENTRIC CONIC

C3 26.520 VHL 5.150 DLA -14.44 RAL 166.17 RAD 6568.1 VEL 12.161 PTH 2.18 VMP 9.425 DPA 16.51 RAP 165.95 ECC 1.4365
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 7 13 1817.03 -8.36 17.70 30.56 117.15 9 37 30 1217.0 -4.66 10.98
 90.00 17 17 24 5393.13 27.96 247.07 37.76 85.34 18 47 17 4793.1 27.02 238.53
 100.00 10 20 50 1579.51 -9.60 359.57 29.90 118.45 10 47 9 979.5 -5.72 352.93
 100.00 18 46 28 5105.89 29.35 225.80 37.61 84.08 20 11 34 4505.9 28.23 217.18
 110.00 11 11 47 1419.89 -12.80 345.57 28.00 121.97 11 35 27 819.9 -8.48 339.13
 110.00 20 12 0 4838.27 33.03 204.90 37.04 80.63 21 32 38 4238.3 31.38 196.06

DIFFERENTIAL CORRECTIONS

TDE .8265 TRA-1.5586 TC3 .1032 BAU .0858
 RDE -.2161 RRA -.2209 RC3 .2187 FAU .02753
 FDE -1.0960 FRA 1.3297 FC3 -.8986 BSP 6466
 BDE .8543 BRA 1.5742 BC3 .2419 FSP -517

MID-COURSE EXECUTION ACCURACY

SGT 2015.8 SGR 415.9 SG3 186.9
 RRT .3069 RRF -.3369 RTF -.9073
 SGB 2058.2 R23 -.0497 R13 -.9080
 SG1 2020.0 SG2 395.0 THA 3.77

ORBIT DETERMINATION ACCURACY

ST 1064.9 SR 252.3 SS 1061.0
 CRT -.6706 CRS -.7852 CST .9855
 LSA 1509.3 MSA 212.9 SSA 16.4
 EL1 1078.7 EL2 184.8 ALF 170.70

LAUNCH DATE MAY 11 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 288.213

RL 151.09 LAL -.00 LOL 229.63 VL 25.809 GAL 6.59 AZL 93.82 MCA 117.43 SMA 121.68 ECC .26607 INC 3.8243 V1 29.490
 RP 108.80 LAP -3.39 LOP 347.11 VP 36.728 GAP -14.21 A7P 88.24 TAL 161.05 TAP 278.47 RCA 89.31 APO 154.06 V2 34.830
 RC 43.796 GL -20.10 GP 6.85 ZAL 58.97 ZAP 8.40 ETS 305.87 ZAE 158.58 ETE 60.36 ZAC 100.95 ETC 16.23 CLP -4.88

PLANETOCENTRIC CONIC

C3 24.751 VML 4.975 OLA -15.62 RAL 165.39 RAD 6568.0 VEL 12.088 PTH 2.16 VMP 8.973 DPA 16.42 RAP 167.63 ECC 1.4073
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 14 53 1757.86 -6.51 14.34 28.88 117.62 9 44 11 1157.9 -2.76 7.66
 90.00 17 3 29 5418.19 28.09 248.89 36.20 86.25 18 33 47 4818.2 27.27 240.32
 100.00 10 27 38 1523.15 -7.75 356.41 28.20 118.96 10 53 1 923.1 -3.83 349.81
 100.00 18 33 26 5128.14 29.50 227.44 36.08 84.93 19 58 54 4528.1 28.48 218.78
 110.00 11 16 45 1369.28 -10.96 342.80 26.27 122.58 11 39 34 769.3 -6.58 336.44
 110.00 20 0 48 4854.77 33.20 206.15 35.56 81.35 21 21 43 4254.8 31.65 197.27

DIFFERENTIAL CORRECTIONS

TOE .8426 TRA-1.5285 TC3 .1523 BAU .0941
 ROE -.1851 RRA -.2155 RC3 .2403 FAU .02926
 FDE -1.1873 FRA 1.3786 FC3-1.0233 BSP 6678
 BDE .8627 BRA 1.5436 BC3 .2845 FSP -572

MID-COURSE EXECUTION ACCURACY

SGT 2075.0 SGR 411.2 SG3 204.9
 RRT .3521 RRF -.3864 RTF -.9134
 SGB 2115.3 R23 -.0571 R13 -.9142
 SG1 2080.2 SG2 383.9 THA 4.13

ORBIT DETERMINATION ACCURACY

ST 1114.6 SR 226.9 SS 1127.5
 CRT -.6503 CRS -.7669 CST .9859
 LSA 1588.2 MSA 206.4 SSA 16.2
 EL1 1124.6 EL2 170.9 ALF 172.28

LAUNCH DATE MAY 11 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 294.940

RL 151.09 LAL -.00 LOL 229.63 VL 25.947 GAL 6.28 AZL 93.93 MCA 120.60 SMA 122.48 ECC .25663 INC 3.9348 V1 29.490
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.832 GAP -13.44 A7P 87.99 TAL 161.06 TAP 281.65 RCA 91.05 APO 153.91 V2 34.838
 RC 44.440 GL -21.56 GP 7.47 ZAL 59.56 ZAP 9.93 ETS 311.71 ZAE 156.86 ETE 55.44 ZAC 99.37 ETC 15.99 CLP -6.57

PLANETOCENTRIC CONIC

C3 25.202 VML 4.817 OLA -16.84 RAL 164.52 RAD 6567.9 VEL 12.024 PTH 2.15 VMP 8.538 DPA 16.41 RAP 169.30 ECC 1.3818
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 23 3 1697.19 -4.58 10.92 27.26 117.97 9 51 21 1097.2 -.80 4.28
 90.00 16 48 24 5447.20 28.20 251.01 34.65 87.31 18 19 11 4847.2 27.53 242.41
 100.00 10 34 48 1465.67 -5.85 353.20 26.56 119.37 10 59 14 865.7 -1.89 346.65
 100.00 18 19 20 5153.95 29.64 229.34 34.56 85.93 19 45 14 4554.0 28.76 220.65
 110.00 11 21 53 1318.20 -9.07 340.05 24.59 123.10 11 43 51 718.2 -4.65 333.75
 110.00 19 48 45 4874.20 33.39 207.64 34.10 82.21 21 9 59 4274.2 31.95 198.70

DIFFERENTIAL CORRECTIONS

TOE .8608 TRA-1.4969 TC3 .2053 BAU .1036
 ROE -.1532 RRA -.2119 RC3 .2636 FAU .03116
 FDE -1.2912 FRA 1.4310 FC3-1.1626 BSP 6880
 BDE .8744 BRA 1.5118 BC3 .3341 FSP -632

MID-COURSE EXECUTION ACCURACY

SGT 2132.7 SGR 408.7 SG3 224.9
 RRT .4056 RRF -.4445 RTF -.9191
 SGB 2171.5 R23 -.0656 R13 -.9201
 SG1 2139.4 SG2 372.4 THA 4.58

ORBIT DETERMINATION ACCURACY

ST 1166.2 SR 198.8 SS 1199.6
 CRT -.6146 CRS -.7347 CST .9864
 LSA 1672.8 MSA 200.0 SSA 15.9
 EL1 1172.7 EL2 155.9 ALF 173.91

LAUNCH DATE MAY 11 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 301.662

RL 151.09 LAL -.00 LOL 229.63 VL 26.074 GAL 5.99 AZL 94.05 MCA 123.77 SMA 123.23 ECC .24782 INC 4.0529 V1 29.490
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.930 GAP -12.69 A7P 87.74 TAL 161.10 TAP 284.87 RCA 92.69 APO 153.77 V2 34.846
 RC 45.237 GL -23.08 GP 8.18 ZAL 60.22 ZAP 11.65 ETS 315.85 ZAE 155.09 ETE 51.57 ZAC 97.81 ETC 15.76 CLP -8.32

PLANETOCENTRIC CONIC

C3 21.859 VML 4.675 OLA -18.10 RAL 163.57 RAD 6567.9 VEL 11.968 PTH 2.13 VMP 8.120 DPA 16.51 RAP 170.94 ECC 1.3597
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 31 53 1634.64 -2.58 7.42 25.71 118.21 9 59 8 1034.6 1.22 .79
 90.00 16 31 58 5480.79 28.28 253.46 33.13 88.53 18 3 18 4880.8 27.78 244.83
 100.00 10 42 29 1406.82 -3.87 349.95 24.99 119.66 11 5 56 806.8 .10 343.42
 100.00 18 4 3 5183.85 29.76 231.56 33.06 87.09 19 30 26 4583.8 29.04 222.83
 110.00 11 27 15 1266.55 -7.14 337.30 22.97 123.52 11 48 22 666.6 -2.69 331.04
 110.00 19 35 46 4896.88 33.59 209.38 32.68 83.23 20 57 23 4296.9 32.28 200.39

DIFFERENTIAL CORRECTIONS

TOE .8810 TRA-1.4635 TC3 .2606 BAU .1137
 ROE -.1198 RRA -.2103 RC3 .2888 FAU .03326
 FDE -1.4101 FRA 1.4868 FC3-1.3172 BSP 7066
 BDE .8892 BRA 1.4785 BC3 .3890 FSP -699

MID-COURSE EXECUTION ACCURACY

SGT 2187.6 SGR 409.9 SG3 247.1
 RRT .4672 RRF -.5108 RTF -.9244
 SGB 2225.6 R23 -.0756 R13 -.9256
 SG1 2196.2 SG2 361.0 THA 5.14

ORBIT DETERMINATION ACCURACY

ST 1219.1 SR 168.0 SS 1278.0
 CRT -.5487 CR -.6750 CST .9869
 LSA 1763.5 MSA 194.0 SSA 15.5
 EL1 1222.6 EL2 140.1 ALF 175.62

LAUNCH DATE MAY 11 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 308.378

RL 151.09 LAL -.00 LOL 229.63 VL 26.191 GAL 5.71 AZL 94.18 MCA 126.94 SMA 123.94 ECC .23962 INC 4.1801 V1 29.490
 RP 108.72 LAP -3.34 LOP 356.64 VP 37.021 GAP -11.97 A7P 87.48 TAL 161.18 TAP 288.11 RCA 94.24 APO 153.64 V2 34.856
 RC 46.178 GL -24.67 GP 9.00 ZAL 60.95 ZAP 13.52 ETS 318.78 ZAE 153.31 ETE 48.59 ZAC 96.30 ETC 15.53 CLP -10.13

PLANETOCENTRIC CONIC

C3 20.708 VML 4.551 OLA -19.40 RAL 162.53 RAD 6567.8 VEL 11.920 PTH 2.12 VMP 7.721 DPA 16.72 RAP 172.57 ECC 1.3408
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 41 37 1569.64 -4.48 3.79 24.24 118.31 10 7 46 969.6 3.31 357.16
 90.00 16 13 57 5519.78 28.32 256.31 31.63 89.96 17 45 57 4919.8 28.01 247.66
 100.00 10 50 51 1346.20 -1.82 346.62 23.50 119.84 11 13 17 746.2 2.16 340.10
 100.00 17 47 24 5218.45 29.86 234.12 31.60 88.44 19 14 22 4618.5 29.32 225.36
 110.00 11 32 59 1214.20 -5.16 334.53 21.42 123.84 11 53 13 614.2 -.68 328.31
 110.00 19 21 46 4923.22 33.78 211.41 31.32 84.42 20 43 49 4323.2 32.64 202.36

DIFFERENTIAL CORRECTIONS

TOE .9043 TRA-1.4281 TC3 .3179 BAU .1242
 ROE -.0841 RRA -.2109 RC3 .3164 FAU .03557
 FDE 1.5472 FRA 1.5458 FC3-1.4873 BSP 7256
 BDE .9082 BRA 1.4436 BC3 .4485 FSP -775

MID-COURSE EXECUTION ACCURACY

SGT 2239.3 SGR 416.4 SG3 271.6
 RRT .5358 RRF -.5840 RTF -.9294
 SGB 2277.7 R23 -.0872 R13 -.9309
 SG1 2250.6 SG2 349.8 THA 5.83

ORBIT DETERMINATION ACCURACY

ST 1274.2 SR 135.7 SS 1363.7
 CRT -.4172 CRS -.5535 CST .9875
 LSA 1861.7 MSA 188.2 SSA 15.0
 EL1 1275.4 EL2 123.2 ALF 177.43

LAUNCH DATE MAY 11 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 315.086

RL 151.09 LAL -.00 LOL 229.63 VL 26.299 GAL 5.45 AZL 94.32 MCA 130.11 SMA 124.60 ECC .23201 INC 4.3185 V1 29.490
 RP 108.69 LAP -3.30 LOP 359.82 VP 37.106 GAP -11.26 AZP 87.21 TAL 161.28 TAP 291.39 RCA 95.69 APO 153.50 V2 34.865
 RC 47.255 GL -26.34 GP 9.95 ZAL 61.76 ZAP 15.56 ETS 320.83 ZAE 151.57 ETE 46.40 ZAC 94.82 ETC 15.29 CLP -12.02

PLANETOCENTRIC CONIC

C3 19.740 VML 4.443 OLA -20.75 RAL 161.41 RAD 6567.8 VEL 11.879 PTH 2.11 VMP 7.339 OPA 17.07 RAP 174.19 ECC 1.3249
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 52 35 1501.28 1.73 359.98 22.90 118.27 10 17 36 901.3 5.49 353.32
 90.00 15 54 3 5565.30 28.27 259.64 30.16 91.63 17 26 48 4965.3 28.20 250.98
 100.00 11 0 9 1283.20 .31 343.16 22.11 119.89 11 21 32 683.2 4.29 336.63
 100.00 17 29 10 5258.61 29.89 237.11 30.18 90.01 18 56 48 4658.6 29.57 228.32
 110.00 11 39 11 1160.89 -3.14 331.74 19.96 124.06 11 58 31 560.9 1.35 325.53
 110.00 19 6 38 4953.68 33.96 213.77 30.01 85.80 20 29 11 4353.7 33.00 204.67

DIFFERENTIAL CORRECTIONS

TDE .9323 TRA-1.3882 TC3 .3802 BAU .1358
 RDE -.0450 RRA -.2140 RC3 .3467 FAU .03820
 FDE-1.7064 FRA 1.6063 FC3-1.6751 BSP 7494
 BDE .9334 BRA 1.4046 BC3 .5145 FSP -862

MID-COURSE EXECUTION ACCURACY

SGT 2285.7 SGR 430.6 SG3 298.9
 RRT .6089 RRF -.6611 RTF -.9346
 SGB 2325.9 R23 -.0998 R13 -.9364
 SG1 2301.1 SG2 339.3 TMA 6.69

ORBIT DETERMINATION ACCURACY

ST 1332.4 SR 106.3 SS 1457.8
 CRT -.1332 CRS -.2804 CST .9883
 LSA 1969.4 MSA 182.0 SSA 14.5
 EL1 1332.5 EL2 105.3 ALF 179.39

LAUNCH DATE MAY 11 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 321.784

RL 151.09 LAL -.00 LOL 229.63 VL 26.398 GAL 5.21 AZL 94.47 MCA 133.29 SMA 125.21 ECC .22497 INC 4.4705 V1 29.490
 RP 108.66 LAP -3.25 LOP 3.01 VP 37.186 GAP -10.58 AZP 86.93 TAL 161.41 TAP 294.69 RCA 97.04 APO 153.38 V2 34.875
 RC 48.458 GL -28.08 GP 11.06 ZAL 62.64 ZAP 17.76 ETS 322.22 ZAE 149.87 ETE 44.90 ZAC 93.38 ETC 15.05 CLP -13.98

PLANETOCENTRIC CONIC

C3 18.948 VML 4.353 OLA -22.16 RAL 160.21 RAD 6567.8 VEL 11.846 PTH 2.10 VMP 6.975 OPA 17.60 RAP 175.80 ECC 1.3118
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 5 18 1428.11 4.08 355.89 21.69 118.05 10 29 7 828.1 7.80 349.18
 90.00 15 31 44 5619.09 28.11 263.57 28.71 93.59 17 5 23 5019.1 28.31 254.91
 100.00 11 10 45 1216.90 2.56 339.52 20.85 119.79 11 31 2 616.9 6.51 332.96
 100.00 17 8 59 5305.54 29.84 240.60 28.81 91.84 18 37 24 4705.5 29.78 231.79
 110.00 11 46 2 1106.29 -1.05 328.88 18.59 124.17 12 4 28 506.3 3.44 322.68
 110.00 18 50 11 4988.91 34.10 216.52 28.78 87.42 20 13 20 4388.9 33.36 207.35

DIFFERENTIAL CORRECTIONS

TDE .9608 TRA-1.3497 TC3 .4351 BAU .1463
 RDE -.0015 RRA -.2202 RC3 .3800 FAU .04097
 FDE-1.8889 FRA 1.6717 FC3-1.8721 BSP 7653
 BDE .9608 BRA 1.3675 BC3 .5777 FSP -955

MID-COURSE EXECUTION ACCURACY

SGT 2328.6 SGR 455.4 SG3 328.8
 RRT .6819 RRF -.7373 RTF -.9388
 SGB 2372.7 R23 -.1149 R13 -.9411
 SG1 2349.6 SG2 330.1 TMA 7.75

ORBIT DETERMINATION ACCURACY

ST 1389.5 SR 94.4 SS 1559.0
 CRT .3937 CRS .2560 CST .9890
 LSA 2082.9 MSA 177.2 SSA 13.8
 EL1 1390.0 EL2 86.8 ALF 1.54

LAUNCH DATE MAY 11 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 328.472

RL 151.09 LAL -.00 LOL 229.63 VL 26.488 GAL 4.98 AZL 94.64 MCA 136.46 SMA 125.78 ECC .21848 INC 4.6394 V1 29.490
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.261 GAP -9.92 AZP 86.63 TAL 161.55 TAP 298.02 RCA 98.30 APO 153.26 V2 34.886
 RC 49.776 GL -29.90 GP 12.37 ZAL 63.58 ZAP 20.16 ETS 323.09 ZAE 148.22 ETE 44.04 ZAC 91.98 ETC 14.80 CLP -16.04

PLANETOCENTRIC CONIC

C3 18.329 VML 4.281 OLA -23.61 RAL 158.93 RAD 6567.7 VEL 11.820 PTH 2.09 VMP 6.632 OPA 18.33 RAP 177.42 ECC 1.3016
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 20 41 1347.59 6.64 351.35 20.67 117.59 10 43 8 747.6 10.28 344.57
 90.00 15 6 8 5684.01 27.74 268.28 27.28 95.93 16 40 52 5084.0 28.27 259.66
 100.00 11 23 12 1145.77 4.96 335.60 19.75 119.52 11 42 18 545.8 8.85 328.98
 100.00 16 46 18 5361.06 29.65 244.71 27.47 94.00 18 15 39 4761.1 29.89 235.92
 110.00 11 53 47 1049.85 1.11 325.94 17.36 124.17 12 11 17 449.8 5.58 319.72
 110.00 18 32 11 5029.75 34.18 219.70 27.62 89.30 19 56 1 4429.7 33.70 210.49

DIFFERENTIAL CORRECTIONS

TDE .9918 TRA-1.3092 TC3 .4855 BAU .1568
 RDE .0484 RRA -.2299 RC3 .4169 FAU .04397
 FDE-2.0991 FRA 1.7392 FC3-2.0769 BSP 7798
 BDE .9930 BRA 1.3292 BC3 .6400 FSP -1057

MID-COURSE EXECUTION ACCURACY

SGT 2364.5 SGR 494.3 SG3 361.5
 RRT .7497 RRF -.8072 RTF -.9426
 SGB 2415.6 R23 -.1315 R13 -.9456
 SG1 2393.9 SG2 323.1 TMA 9.07

ORBIT DETERMINATION ACCURACY

ST 1446.0 SR 120.2 SS 1668.2
 CRT .8274 CRS .7405 CST .9897
 LSA 2204.1 MSA 173.1 SSA 13.0
 EL1 1449.5 EL2 67.4 ALF 3.94

LAUNCH DATE MAY 11 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 335.146

RL 151.09 LAL -.00 LOL 229.63 VL 26.571 GAL 4.77 AZL 94.83 MCA 139.64 SMA 126.31 ECC .21251 INC 4.8293 V1 29.490
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.330 GAP -9.28 AZP 86.32 TAL 161.72 TAP 301.36 RCA 99.46 APO 153.15 V2 34.897
 RC 51.201 GL -31.81 GP 13.91 ZAL 64.59 ZAP 22.77 ETS 323.55 ZAE 146.61 ETE 43.80 ZAC 90.63 ETC 14.53 CLP -18.21

PLANETOCENTRIC CONIC

C3 17.885 VML 4.229 OLA -25.13 RAL 157.56 RAD 6567.7 VEL 11.801 PTH 2.09 VMP 6.309 OPA 19.31 RAP 179.05 ECC 1.2943
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 40 24 1254.53 9.54 346.05 19.93 116.79 11 1 19 654.5 13.06 339.14
 90.00 14 35 31 5765.62 27.03 274.15 25.81 98.78 16 11 36 5165.6 27.97 265.61
 100.00 11 38 28 1067.10 7.58 331.23 18.88 119.00 11 56 15 467.1 11.39 324.52
 100.00 16 20 8 5428.28 29.23 249.66 26.15 96.57 17 50 37 4828.3 29.83 240.91
 110.00 12 2 48 990.74 3.36 322.85 16.28 124.04 12 19 19 390.7 7.81 316.59
 110.00 18 12 17 5077.40 34.15 223.43 26.55 91.51 19 36 55 4477.4 33.99 214.18

DIFFERENTIAL CORRECTIONS

TDE 1.0260 TRA-1.2674 TC3 .5280 BAU .1671
 RDE .1069 RRA -.2437 RC3 .4578 FAU .04712
 FDE-2.3416 FRA 1.8082 FC3-2.2811 BSP 7928
 BDE 1.0315 BRA 1.2906 BC3 .6988 FSP -1168

MID-COURSE EXECUTION ACCURACY

SGT 2393.5 SGR 551.3 SG3 397.0
 RRT .8078 RRF -.8660 RTF -.9461
 SGB 2456.2 R23 -.1491 R13 -.9500
 SG1 2435.3 SG2 319.4 TMA 10.73

ORBIT DETERMINATION ACCURACY

ST 1502.0 SR 181.9 SS 1785.4
 CRT .9654 CRS .9216 CST .9905
 LSA 2334.1 MSA 169.7 SSA 12.1
 EL1 1512.3 EL2 47.1 ALF 6.68

LAUNCH DATE MAY 11 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 341.807

RL 151.09 LAL -.00 LOL 229.63 VL 26.647 GAL 4.5R AZL 95.05 MCA 142.82 SMA 126.79 ECC .29704 INC 5.6459 V1 29.490
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.394 GAP -8.66 A7P 85.98 TAL 161.89 TAP 304.71 RCA 100.54 APO 153.04 V2 34.998
 RC 52.722 GL -33.81 GP 15.74 ZAL 65.64 ZAP 25.63 ETS 323.66 ZAE 144.99 ETE 44.17 ZAC 89.32 ETC 14.24 CLP -20.49

PLANETOCENTRIC CONIC

C3 17.624 VML 4.198 OLA -26.73 RAL 156.11 RAD 6567.7 VEL 11.790 PTH 2.08 VMP 6.011 DPA 20.60 RAP 180.72 ECC 1.2900
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 8 57 1135.07 13.11 339.10 19.63 115.32 11 27 52 535.1 16.42 331.98
 90.00 13 55 23 5878.25 25.61 282.09 24.16 102.52 15 33 21 5278.3 27.08 273.73
 100.00 11 58 25 975.26 10.57 326.05 18.32 118.13 12 14 41 375.3 14.25 319.20
 100.00 15 48 36 5513.30 28.40 255.85 24.78 99.73 17 20 29 4913.3 29.46 247.20
 110.00 12 13 36 927.61 5.76 319.54 15.41 123.75 12 29 4 327.6 10.16 313.21
 110.00 17 49 54 5133.70 33.97 227.81 25.57 94.10 19 15 28 4533.7 34.16 218.57

DIFFERENTIAL CORRECTIONS

TOE 1.0666 TRA-1.2208 TC3 .5673 BAU .1788
 ROE .1780 RRA -.2620 RC3 .5041 FAU .05056
 FDE-2.6240 FRA 1.8720 FC3-2.4839 BSP 8111
 BOE 1.0813 BRA 1.2486 BC3 .7589 FSP -1294

MID-COURSE EXECUTION ACCURACY

SGT 2413.6 SGR 631.2 SG3 435.1
 RRT .8546 RRF -.9117 RTF -.9497
 SGB 2494.8 R23 -.1647 R13 -.9549
 SG1 2474.2 SG2 319.8 THA 12.82

ORBIT DETERMINATION ACCURACY

ST 1559.6 SR 271.3 SS 1912.8
 CRT .9950 CRS .9746 CST .9913
 LSA 2477.3 MSA 165.8 SSA 11.2
 EL1 1582.8 EL2 26.6 ALF 9.82

LAUNCH DATE MAY 11 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 348.454

RL 151.09 LAL -.00 LOL 229.63 VL 26.716 GAL 4.40 AZL 95.30 MCA 146.00 SMA 127.24 ECC .20204 INC 5.2969 V1 29.490
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.455 GAP -8.05 A7P 85.60 TAL 162.08 TAP 308.08 RCA 101.53 APO 152.95 V2 34.920
 RC 54.330 GL -35.93 GP 17.94 ZAL 66.76 ZAP 28.78 ETS 323.48 ZAE 143.31 ETE 45.14 ZAC 88.04 ETC 13.92 CLP -22.89

PLANETOCENTRIC CONIC

C3 17.566 VML 4.191 OLA -28.40 RAL 154.57 RAD 6567.7 VEL 11.788 PTH 2.08 VMP 5.739 DPA 22.27 RAP 182.46 ECC 1.2891
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 87.67 12 6 22 925.52 20.41 327.01 21.06 110.19 12 21 48 325.5 22.98 319.27
 92.33 12 45 39 798.23 20.42 317.70 21.07 110.18 12 58 57 198.2 22.99 309.96
 100.00 12 28 18 854.35 14.35 319.07 18.32 116.51 12 42 32 254.3 17.79 311.97
 100.00 15 6 24 5632.67 26.74 264.33 23.18 103.89 16 40 17 5032.7 28.38 255.91
 110.00 12 27 6 858.09 8.37 315.85 14.82 123.26 12 41 24 258.1 12.69 309.42
 110.00 17 24 5 5201.69 33.51 233.07 24.63 97.17 18 50 47 4601.7 34.14 223.88

DIFFERENTIAL CORRECTIONS

TOE 1.1083 TRA-1.1755 TC3 .5864 BAU .1896
 ROE .2657 RRA -.2862 RC3 .5547 FAU .05386
 FDE-2.9439 FRA 1.9328 FC3-2.6545 BSP 8222
 BOE 1.1397 BRA 1.2098 BC3 .8072 FSP -1420

MID-COURSE EXECUTION ACCURACY

SGT 2423.8 SGR 738.9 SG3 474.6
 RRT .8886 RRF -.9443 RTF -.9524
 SGB 2533.9 R23 -.1794 R13 -.9594
 SG1 2512.7 SG2 326.9 THA 15.42

ORBIT DETERMINATION ACCURACY

ST 1611.2 SR 387.2 SS 2045.2
 CRT .9996 CRS .9911 CST .9919
 LSA 2627.2 MSA 163.6 SSA 10.2
 EL1 1657.1 EL2 10.3 ALF 13.51

LAUNCH DATE MAY 11 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 355.085

RL 151.09 LAL -.00 LOL 229.63 VL 26.778 GAL 4.24 AZL 95.59 MCA 149.18 SMA 127.65 ECC .19751 INC 5.5933 V1 29.490
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.510 GAP -7.46 A7P 85.19 TAL 162.26 TAP 311.45 RCA 102.44 APO 152.86 V2 34.932
 RC 56.016 GL -38.16 GP 20.60 ZAL 67.93 ZAP 32.29 ETS 323.04 ZAE 141.47 ETE 46.74 ZAC 86.80 ETC 13.54 CLP -25.43

PLANETOCENTRIC CONIC

C3 17.744 VML 4.212 OLA -30.19 RAL 152.91 RAD 6567.7 VEL 11.795 PTH 2.09 VMP 5.500 DPA 24.39 RAP 184.32 ECC 1.2920
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.08 10 51 1 1149.10 21.58 343.97 20.07 111.64 11 10 10 549.1 24.32 336.23
 100.92 13 47 49 5867.36 21.59 279.94 20.07 111.63 15 25 36 5267.4 24.33 272.20
 79.08 10 51 1 1149.10 21.58 343.97 20.07 111.64 11 10 10 549.1 24.32 336.23
 100.92 13 47 49 5867.36 21.59 279.94 20.07 111.63 15 25 36 5267.4 24.33 272.20
 110.00 12 45 3 777.39 11.36 311.51 14.64 122.46 12 58 1 177.4 15.56 304.92
 110.00 16 52 57 5287.07 32.60 239.56 23.68 100.91 18 21 4 4687.1 33.76 230.52

DIFFERENTIAL CORRECTIONS

TOE 1.1579 TRA-1.1256 TC3 .5961 BAU .2024
 ROE .3778 RRA -.3163 RC3 .6106 FAU .05712
 FDE-3.3094 FRA 1.9765 FC3-2.7871 BSP 8413
 BOE 1.2180 BRA 1.1692 BC3 .8533 FSP -1557

MID-COURSE EXECUTION ACCURACY

SGT 2422.9 SGR 881.1 SG3 514.4
 RRT .9130 RRF -.9662 RTF -.9551
 SGB 2578.2 R23 -.1875 R13 -.9645
 SG1 2555.5 SG2 340.7 THA 18.71

ORBIT DETERMINATION ACCURACY

ST 1662.3 SR 535.3 SS 2184.9
 CRT .9989 CRS .9968 CST .9927
 LSA 2792.4 MSA 161.1 SSA 9.2
 EL1 1746.2 EL2 23.9 ALF 17.84

LAUNCH DATE MAY 11 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 361.699

RL 151.09 LAL -.00 LOL 229.63 VL 26.834 GAL 4.09 AZL 95.95 MCA 152.37 SMA 128.02 ECC .19341 INC 5.9508 V1 29.490
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.562 GAP -6.88 A7P 84.72 TAL 162.45 TAP 314.81 RCA 103.26 APO 152.78 V2 34.945
 RC 57.772 GL -40.56 GP 23.84 ZAL 69.17 ZAP 36.22 ETS 322.39 ZAE 139.33 ETE 48.93 ZAC 85.57 ETC 13.10 CLP -28.11

PLANETOCENTRIC CONIC

C3 18.214 VML 4.268 OLA -32.10 RAL 151.13 RAD 6567.7 VEL 11.815 PTH 2.09 VMP 5.303 DPA 27.08 RAP 186.40 ECC 1.2998
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.22 10 9 25 1263.96 22.70 353.13 19.27 113.32 10 30 29 664.0 25.66 345.39
 105.78 14 15 12 5764.71 22.72 272.72 19.28 113.31 15 51 16 5164.7 25.67 264.98
 74.22 10 9 25 1263.96 22.70 353.13 19.27 113.32 10 30 29 664.0 25.66 345.39
 105.78 14 15 12 5764.71 22.72 272.72 19.28 113.31 15 51 16 5164.7 25.67 264.98
 110.00 13 11 55 672.85 15.11 305.73 15.16 121.03 13 23 8 72.8 19.11 298.90
 110.00 16 11 52 5403.82 30.76 248.16 22.47 105.70 17 41 56 4803.8 32.61 239.43

DIFFERENTIAL CORRECTIONS

TOE 1.2103 TRA-1.0782 TC3 .5762 BAU .2146
 ROE .5230 RRA -.3544 RC3 .6670 FAU .05949
 FDE-3.7080 FRA 2.0024 FC3-2.8274 BSP 8524
 BOE 1.3185 BRA 1.1349 BC3 .8814 FSP -1674

MID-COURSE EXECUTION ACCURACY

SGT 2408.6 SGR 1064.2 SG3 551.0
 RRT .9287 RRF -.9800 RTF -.9568
 SGB 2633.2 R23 -.1901 R13 -.9696
 SG1 2607.9 SG2 364.5 THA 22.78

ORBIT DETERMINATION ACCURACY

ST 1703.8 SR 722.2 SS 2322.2
 CRT .9974 CRS .9989 CST .9932
 LSA 2965.1 MSA 160.3 SSA 8.1
 EL1 1850.0 EL2 47.6 ALF 22.93

LAUNCH DATE MAY 11 1967

FLIGHT TIME 142.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 368.296

RL 151.09 LAL -1.00 LOL 229.63 VL 26.885 GAL 3.96 AZL 96.33 HCA 155.55 SMA 128.35 ECC .14972 INC 6.393H V1 29.490
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.610 GAP -6.32 AZP 84.18 TAL 162.62 TAP 318.18 RCA 104.00 APO 152.70 V2 34.957
 RC 59.590 GL -43.14 GP 27.81 ZAL 70.48 ZAP 40.66 ETS 321.56 ZAE 136.70 ETE 51.69 ZAC 84.33 ETC 12.56 CLP -30.94

PLANETOCENTRIC CONIC

C3 19.077 VHL 4.368 CLA -34.16 RAL 149.18 RAD 6567.8 VEL 11.852 PTH 2.10 VHP 5.160 DPA 30.46 RAP 188.81 ECC 1.3140
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.04 9 35 7 1356.65 23.76 .79 18.72 115.30 9 57 43 756.7 26.96 353.09
 109.96 14 33 56 5693.76 23.77 267.76 18.73 115.29 16 8 50 5093.8 26.97 260.07
 70.04 9 35 7 1356.65 23.76 .79 18.72 115.30 9 57 43 756.7 26.96 353.09
 109.96 14 33 56 5693.76 23.77 267.76 18.73 115.29 16 8 50 5093.8 26.97 260.07
 110.00 14 24 47 5721.64 22.94 269.51 18.30 116.07 16 0 8 5121.6 26.25 261.91
 110.00 14 43 26 5664.81 24.53 265.92 19.15 114.53 16 17 51 5064.8 27.69 258.12

DIFFERENTIAL CORRECTIONS

TDE 1.2803 TRA -1.0215 TC3 .5526 BAU .2326
 RDE .7187 RRA -.3976 RC3 .7255 FAU .06128
 FDE -4.1439 FRA 1.9750 FC3 -2.7811 BSP .8891
 BDE 1.4682 BRA 1.0961 BC3 .9120 FSP -1796

MID-COURSE EXECUTION ACCURACY

SGT 2382.5 SGR 1299.1 SG3 581.2
 RRT .9402 RRF -.9884 RTF -.9592
 SGB 2713.7 R23 -.1797 R13 -.9759
 SGI 2685.1 SG2 392.7 THA 27.79

ORBIT DETERMINATION ACCURACY

ST 1748.4 SR 961.7 SS 2459.8
 CRT .9964 CRS .9996 CST .9939
 LSA 3163.4 MSA 157.8 SSA 7.1
 EL1 1994.2 EL2 71.1 ALF 28.77

LAUNCH DATE MAY 11 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 374.873

RL 151.09 LAL -1.00 LOL 229.63 VL 26.930 GAL 3.84 AZL 96.96 HCA 158.74 SMA 128.66 ECC .18643 INC 6.9607 V1 29.490
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.654 GAP -5.78 AZP 83.51 TAL 162.79 TAP 321.53 RCA 104.67 APO 152.64 V2 34.970
 RC 61.464 GL -45.97 GP 32.70 ZAL 71.90 ZAP 45.70 ETS 320.60 ZAE 133.31 ETE 54.90 ZAC 83.05 ETC 11.87 CLP -33.90

PLANETOCENTRIC CONIC

C3 20.511 VHL 4.529 CLA -36.42 RAL 147.00 RAD 6567.8 VEL 11.912 PTH 2.12 VHP 5.097 DPA 34.65 RAP 191.81 ECC 1.3376
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.08 9 3 55 1441.52 24.67 8.01 18.48 117.68 9 27 56 841.5 28.17 .39
 113.92 14 47 44 5643.31 24.68 264.27 18.49 117.67 16 21 48 5043.3 28.18 256.65
 66.08 9 3 55 1441.52 24.67 8.01 18.48 117.68 9 27 56 841.5 28.17 .39
 113.92 14 47 44 5643.31 24.68 264.27 18.49 117.67 16 21 48 5043.3 28.18 256.65
 66.08 9 3 55 1441.52 24.67 8.01 18.48 117.68 9 27 56 841.5 28.17 .39
 113.92 14 47 44 5643.31 24.68 264.27 18.49 117.67 16 21 48 5043.3 28.18 256.65

DIFFERENTIAL CORRECTIONS

TDE 1.3685 TRA -1.9620 TC3 .5103 BAU .2544
 RDE .9863 RRA -1.4456 RC3 .7748 FAU .06123
 FDE -4.5778 FRA 1.8819 FC3 -2.5845 BSP .9436
 BDE 1.6869 BRA 1.0602 BC3 .9277 FSP -1882

MID-COURSE EXECUTION ACCURACY

SGT 2344.8 SGR 1593.8 SG3 597.2
 RRT .9483 RRF -.9933 RTF -.9615
 SGB 2835.2 R23 -.1592 R13 -.9823
 SGI 2803.5 SG2 422.9 THA 33.67

ORBIT DETERMINATION ACCURACY

ST 1789.8 SR 1265.5 SS 2580.3
 CRT .9960 CRS .9999 CST .9946
 LSA 3382.1 MSA 154.9 SSA 6.1
 EL1 2190.1 EL2 92.8 ALF 35.23

LAUNCH DATE MAY 11 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 381.420

RL 151.09 LAL -1.00 LOL 229.63 VL 26.970 GAL 3.73 AZL 97.72 HCA 161.93 SMA 128.93 ECC .18350 INC 7.7176 V1 29.490
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.695 GAP -5.25 AZP 82.66 TAL 162.94 TAP 324.87 RCA 105.27 APO 152.58 V2 34.983
 RC 63.388 GL -49.11 GP 38.74 ZAL 73.47 ZAP 51.44 ETS 319.57 ZAE 128.86 ETE 58.35 ZAC 81.67 ETC 10.93 CLP -36.95

PLANETOCENTRIC CONIC

C3 22.853 VHL 4.780 CLA -38.90 RAL 144.48 RAD 6567.9 VEL 12.010 PTH 2.14 VHP 5.153 DPA 39.80 RAP 195.79 ECC 1.3761
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.13 8 33 48 1526.07 25.30 15.31 18.59 120.59 8 59 14 926.1 29.16 7.85
 117.87 14 57 43 5610.94 25.32 262.01 18.60 120.58 16 31 14 5010.9 29.18 254.54
 62.13 8 33 48 1526.07 25.30 15.31 18.59 120.59 8 59 14 926.1 29.16 7.85
 117.87 14 57 43 5610.94 25.32 262.01 18.60 120.58 16 31 14 5010.9 29.18 254.54
 62.13 8 33 48 1526.07 25.30 15.31 18.59 120.59 8 59 14 926.1 29.16 7.85
 117.87 14 57 43 5610.94 25.32 262.01 18.60 120.58 16 31 14 5010.9 29.18 254.54

DIFFERENTIAL CORRECTIONS

TDE 1.5832 TRA -1.8102 TC3 .6103 BAU .3254
 RDE 1.3991 RRA -1.4474 RC3 .8727 FAU .06556
 FDE -5.1034 FRA 1.5300 FC3 -2.4834 BSP 12609
 BDE 2.1129 BRA .9256 BC3 1.0649 FSP -2229

MID-COURSE EXECUTION ACCURACY

SGT 2344.8 SGR 1995.8 SG3 602.3
 RRT .9677 RRF -.9963 RTF -.9746
 SGB 3079.2 R23 -.1059 R13 -.9915
 SGI 3054.9 SG2 386.0 THA 40.25

ORBIT DETERMINATION ACCURACY

ST 1934.2 SR 1689.8 SS 2741.4
 CRT .9974 CRS 1.0000 CST .9968
 LSA 3754.4 MSA 129.2 SSA 5.1
 EL1 2566.7 EL2 92.0 ALF 41.13

LAUNCH DATE MAY 11 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 387.969

RL 151.09 LAL -1.00 LOL 229.63 VL 27.005 GAL 3.65 AZL 98.79 HCA 165.11 SMA 129.16 ECC .18097 INC 8.7863 V1 29.490
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.732 GAP -4.73 AZP 81.50 TAL 163.05 TAP 328.16 RCA 105.79 APO 152.54 V2 34.996
 RC 65.357 GL -52.63 GP 46.13 ZAL 75.20 ZAP 57.89 ETS 318.47 ZAE 123.00 ETE 61.56 ZAC 80.10 ETC 9.50 CLP -39.91

PLANETOCENTRIC CONIC

C3 26.836 VHL 5.180 CLA -41.65 RAL 141.53 RAD 6568.1 VEL 12.174 PTH 2.18 VHP 5.410 DPA 45.86 RAP 201.57 ECC 1.4417
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.08 8 3 39 1617.28 25.41 23.14 19.24 124.19 8 30 36 1017.3 29.70 15.94
 121.92 15 4 21 5598.76 25.42 261.05 19.25 124.18 16 37 40 4998.8 29.72 253.85
 58.08 8 3 39 1617.28 25.41 23.14 19.24 124.19 8 30 36 1017.3 29.70 15.94
 121.92 15 4 21 5598.76 25.42 261.05 19.25 124.18 16 37 40 4998.8 29.72 253.85
 58.08 8 3 39 1617.28 25.41 23.14 19.24 124.19 8 30 36 1017.3 29.70 15.94
 121.92 15 4 21 5598.76 25.42 261.05 19.25 124.18 16 37 40 4998.8 29.72 253.85

DIFFERENTIAL CORRECTIONS

TDE 1.6164 TRA -1.8910 TC3 .2913 BAU .2820
 RDE 1.8702 RRA -.5565 RC3 .7301 FAU .04712
 FDE -5.0816 FRA 1.4845 FC3 -1.5202 BSP 10016
 BDE 2.4720 BRA 1.0505 BC3 .7861 FSP -1633

MID-COURSE EXECUTION ACCURACY

SGT 2242.0 SGR 2351.5 SG3 538.9
 RRT .9508 RRF -.9974 RTF -.9598
 SGB 3249.0 R23 -.1120 R13 -.9918
 SGI 3208.9 SG2 508.9 THA 46.44

ORBIT DETERMINATION ACCURACY

ST 1831.1 SR 2083.3 SS 2645.1
 CRT .9951 CRS 1.0000 CST .9949
 LSA 3829.4 MSA 161.3 SSA 4.3
 EL1 2770.3 EL2 136.2 ALF 48.71

LAUNCH DATE MAY 11 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 394.477

RL 151.09 LAL -.00 LOL 229.63 VL 27.036 GAL 3.54 AZL 100.42 MCA 168.29 SMA 129.37 ECC .17477 INC10.4213 V1 29.490
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.766 GAP -4.23 AZP 79.79 TAL 163.14 TAP 331.43 RCA 106.25 APO 152.50 V2 35.009
 RC 67.365 GL -56.60 GP 55.10 ZAL 77.24 ZAP 65.03 ETS 317.09 ZAE 115.40 ETE 63.89 ZAC 78.26 ETC 7.05 CLP -42.46

PLANETOCENTRIC CONIC

C3 34.185 VML 5.847 CLA -44.66 RAL 137.84 RAD 6568.3 VEL 12.472 PTH 2.26 VHP 6.030 DPA 52.62 RAP 210.65 ECC 1.5626
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 53.90 7 32 1 1723.39 24.45 31.82 20.43 128.61 8 0 45 1123.4 29.27 25.07
 126.10 15 6 33 5614.00 24.46 261.63 20.44 128.61 16 40 7 5014.0 29.28 254.89
 53.90 7 32 1 1723.39 24.45 31.82 20.43 128.61 8 0 45 1123.4 29.27 25.07
 126.10 15 6 33 5614.00 24.46 261.63 20.44 128.61 16 40 7 5014.0 29.28 254.89
 53.90 7 32 1 1723.39 24.45 31.82 20.43 128.61 8 0 45 1123.4 29.27 25.07
 126.10 15 6 33 5614.00 24.46 261.63 20.44 128.61 16 40 7 5014.0 29.28 254.89

DIFFERENTIAL CORRECTIONS

TDE 1.9293 TRA -.8518 TC3 .2014 BAU .2933
 RDE 2.6384 RRA -.5629 RC3 .6092 FAU .03453
 FDE-4.9872 FRA 1.0890 FC3 -.8746 BSP 11177
 BDE 3.2685 BRA 1.0210 BC3 .6417 FSP -1379

MID-COURSE EXECUTION ACCURACY

SGT 2237.7 SGR 2791.7 SG3 450.5
 RRT .9550 RRF -.9981 RTF -.9636
 SGB 3577.8 R23 -.0818 R13 -.9954
 SG1 3539.4 SG2 523.3 TMA 51.57

ORBIT DETERMINATION ACCURACY

ST 1923.2 SR 2596.0 SS 2557.2
 CRT .9955 CRS 1.0000 CST .9957
 LSA 4117.2 MSA 158.8 SSA 3.5
 EL1 3227.5 EL2 145.9 ALF 53.50

LAUNCH DATE MAY 11 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 400.949

RL 151.09 LAL -.00 LOL 229.63 VL 27.063 GAL 3.52 AZL 103.25 MCA 171.45 SMA 129.56 ECC .17691 INC13.2518 V1 29.490
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.798 GAP -3.74 AZP 76.89 TAL 163.19 TAP 334.65 RCA 106.64 APO 152.48 V2 35.023
 RC 69.409 GL -60.97 GP 65.74 ZAL 79.69 ZAP 72.55 ETS 313.83 ZAE 105.70 ETE 63.18 ZAC 75.93 ETC 1.53 CLP -43.11

PLANETOCENTRIC CONIC

C3 50.151 VML 7.082 CLA -47.75 RAL 133.12 RAD 6568.8 VEL 13.096 PTH 2.39 VHP 7.421 DPA 58.98 RAP 226.07 ECC 1.8254
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.80 6 58 16 1857.90 21.38 41.55 22.27 133.77 7 29 14 1257.9 26.79 35.51
 130.20 15 2 37 5672.51 21.40 264.21 22.28 133.77 16 37 9 5072.5 26.80 258.17
 49.80 6 58 16 1857.90 21.38 41.55 22.27 133.77 7 29 14 1257.9 26.79 35.51
 130.20 15 2 37 5672.51 21.40 264.21 22.28 133.77 16 37 9 5072.5 26.80 258.17
 49.80 6 58 16 1857.90 21.38 41.55 22.27 133.77 7 29 14 1257.9 26.79 35.51
 130.20 15 2 37 5672.51 21.40 264.21 22.28 133.77 16 37 9 5072.5 26.80 258.17

DIFFERENTIAL CORRECTIONS

TDE 2.6780 TRA -.8559 TC3 .1072 BAU .2607
 RDE 3.7555 RRA -.4680 RC3 .3737 FAU .01782
 FDE-4.4915 FRA .6493 FC3 -.3077 BSP 12403
 BDE 4.6125 BRA .9755 BC3 .3888 FSP -989

MID-COURSE EXECUTION ACCURACY

SGT 2403.8 SGR 3135.2 SG3 323.3
 RRT .9612 RRF -.9982 RTF -.9720
 SGB 3950.6 R23 -.0569 R13 -.9976
 SG1 3914.7 SG2 531.3 TMA 52.81

ORBIT DETERMINATION ACCURACY

ST 2188.6 SR 3043.1 SS 2334.7
 CRT .9963 CRS 1.0000 CST .9970
 LSA 4413.2 MSA 158.3 SSA 2.5
 EL1 3745.3 EL2 153.0 ALF 54.31

LAUNCH DATE MAY 11 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 407.351

RL 151.09 LAL -.00 LOL 229.63 VL 27.086 GAL 3.49 AZL 109.35 MCA 174.58 SMA 129.71 ECC .17541 INC19.3451 V1 29.490
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.826 GAP -3.27 AZP 70.73 TAL 163.17 TAP 337.75 RCA 106.96 APO 152.47 V2 35.036
 RC 71.485 GL -65.03 GP 78.00 ZAL 82.71 ZAP 79.84 ETS 292.95 ZAE 93.53 ETE 43.44 ZAC 72.55 ETC 336.60 CLP -31.91

PLANETOCENTRIC CONIC

C3 97.605 VML 9.880 CLA -50.03 RAL 127.27 RAD 6569.9 VEL 14.797 PTH 2.67 VHP 10.890 DPA 61.95 RAP 251.88 ECC 2.6063
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 46.86 6 25 8 2038.20 14.34 51.72 24.88 138.47 6 59 6 1438.2 20.25 46.50
 133.14 14 49 6 5805.28 14.35 269.67 24.90 138.47 16 25 51 5205.3 20.27 264.44
 46.86 6 25 8 2038.20 14.34 51.72 24.88 138.47 6 59 6 1438.2 20.25 46.50
 133.14 14 49 6 5805.28 14.35 269.67 24.90 138.47 16 25 51 5205.3 20.27 264.44
 46.86 6 25 8 2038.20 14.34 51.72 24.88 138.47 6 59 6 1438.2 20.25 46.50
 133.14 14 49 6 5805.28 14.35 269.67 24.90 138.47 16 25 51 5205.3 20.27 264.44

DIFFERENTIAL CORRECTIONS

TDE 5.7728 TRA -.9470 TC3 -.0063 BAU .0721
 RDE 4.3699 RRA .0630 RC3 .0549 FAU-.00057
 FDE-3.6945 FRA .2924 FC3 .0051 BSP 13138
 BDE 7.2402 BRA .9491 BC3 .0552 FSP -552

MID-COURSE EXECUTION ACCURACY

SGT 3455.4 SGR 2537.2 SG3 186.5
 RRT .9621 RRF -.9884 RTF -.9919
 SGB 4286.9 R23 -.0296 R13 -.9993
 SG1 4249.8 SG2 562.8 TMA 35.97

ORBIT DETERMINATION ACCURACY

ST 3357.7 SR 2534.3 SS 2017.4
 CRT .9965 CRS .9990 CST .9992
 LSA 4662.4 MSA 169.1 SSA 1.3
 EL1 4203.4 EL2 168.3 ALF 37.02

LAUNCH DATE MAY 11 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 413.484

RL 151.09 LAL -.00 LOL 229.63 VL 27.105 GAL 3.52 AZL 130.46 MCA 177.49 SMA 129.89 ECC .17446 INC40.4553 V1 29.490
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.852 GAP -2.88 AZP 49.57 TAL 162.91 TAP 340.40 RCA 107.19 APO 152.50 V2 35.049
 RC 73.590 GL -62.88 GP 77.01 ZAL 86.31 ZAP 85.96 ETS 188.53 ZAE 74.02 ETE 299.54 ZAC 65.16 ETC 224.00 CLP 71.71

PLANETOCENTRIC CONIC

C3 388.997 VML 19.723 CLA -46.03 RAL 123.73 RAD 6572.1 VEL 22.590 PTH 3.26 VHP 23.592 DPA 53.20 RAP 286.10 ECC 7.4019
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.05 6 28 50 2211.68 2.92 56.09 30.90 135.96 7 5 42 1611.7 8.64 50.89
 127.95 14 17 11 778.49 2.93 304.69 30.92 135.96 14 30 9 178.5 8.66 299.49
 52.05 6 28 50 2211.68 2.92 56.09 30.90 135.96 7 5 42 1611.7 8.64 50.89
 127.95 14 17 11 778.49 2.93 304.69 30.92 135.96 14 30 9 178.5 8.66 299.49
 52.05 6 28 50 2211.68 2.92 56.09 30.90 135.96 7 5 42 1611.7 8.64 50.89
 127.95 14 17 11 778.49 2.93 304.69 30.92 135.96 14 30 9 178.5 8.66 299.49

DIFFERENTIAL CORRECTIONS

TDE 8.1392 TRA .9782 TC3 -.1199 BAU 1.4066
 RD-11.9488 RRA 1.2664 RC3 .2425 FAU-.02860
 FDE-3.4465 FRA .2186 FC3 .0637 BSP 12546
 BDE14.4575 BRA 1.6002 BC3 .2705 FSP -251

MID-COURSE EXECUTION ACCURACY

SGT 2445.8 SGR 3639.3 SG3 89.5
 RRT -.9485 RRF .9981 RTF -.9661
 SGB 4384.8 R23 -.0370 R13 .9993
 SG1 4336.3 SG2 650.1 TMA 123.36

ORBIT DETERMINATION ACCURACY

ST 2367.7 SR 3474.9 SS 2041.7
 CRT -.9952 CRS -.9998 CST .9969
 LSA 4670.4 MSA 192.4 SSA .9
 EL1 4200.5 EL2 191.0 ALF 124.22

LAUNCH DATE MAY 11 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 421.400
 RL 151.09 LAL -1.00 LOL 229.63 VL 27.121 GAL 3.24 AZL 41.56 HCA 181.95 SMA 129.95 ECC .17192 INC48.4341 V1 29.490
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.876 GAP -2.04 AZP 138.42 TAL 164.06 TAP 346.01 RCA 107.61 APO 152.30 V2 35.062
 RC 75.721 GL 60.25 GP -68.71 ZAL 87.21 ZAP 87.99 ETS 169.31 ZAE 75.82 ETE 61.05 ZAC 90.14 ETC 132.38 CLP 84.46

PLANETOCENTRIC CONIC

C3 544.487 VHL 23.334 DLA 65.37 RAL 191.91 RAD 6572.4 VEL 25.803 PTH 3.36 VHP 31.786 OPA -75.14 RAP 37.25 ECC 9.9609
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 28.25 21 51 6 5028.44 -1.88 243.29 101.06 24.64 23 14 55 4428.4 -9.14 240.34
 151.75 7 58 53 3308.60 -1.87 99.08 101.05 24.64 8 54 2 2708.6 -9.13 96.12
 28.25 21 51 6 5028.44 -1.88 243.29 101.06 24.64 23 14 55 4428.4 -9.14 240.34
 151.75 7 58 53 3308.60 -1.87 99.08 101.05 24.64 8 54 2 2708.6 -9.13 96.12
 28.25 21 51 6 5028.44 -1.88 243.29 101.06 24.64 23 14 55 4428.4 -9.14 240.34
 151.75 7 58 53 3308.60 -1.87 99.08 101.05 24.64 8 54 2 2708.6 -9.13 96.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TDE -3.3292 TRA -2.9249 TC3 -.1462 BAU 2.1686 SGT 2025.9 SGR 3925.7 SG3 77.2 ST 967.5 SR 1155.7 SS 746.9
 RDE -1.2036 RRA -6.3171 RC3 -.2596 FAU .03720 RRT .9410 RRF -.9993 RTF -.9525 CRT .7331 CRS .9934 CST .8064
 FDE .4043 FRA 1.4316 FC3 .0591 BSP 11848 SGB 4417.6 R23 -.0341 R13 -.9994 LSA 1588.8 MSA 552.6 SSA .4
 BDE 3.5401 BRA 6.9614 BC3 .2979 FSP -214 SG1 4374.6 SG2 615.3 TMA 63.53 EL1 1407.0 EL2 540.5 ALF 51.85

LAUNCH DATE MAY 11 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 427.285
 RL 151.09 LAL -1.00 LOL 229.63 VL 27.133 GAL 3.33 AZL 74.04 HCA 184.68 SMA 130.04 ECC .17172 INC15.9556 V1 29.490
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.897 GAP -1.72 AZP 105.91 TAL 163.56 TAP 348.24 RCA 107.71 APO 152.37 V2 35.075
 RC 77.874 GL 63.95 GP -84.63 ZAL 81.82 ZAP 85.83 ETS 39.79 ZAE 99.52 ETE 294.81 ZAC 102.36 ETC 9.81 CLP -39.01

PLANETOCENTRIC CONIC

C3 68.698 VHL 8.288 DLA 62.64 RAL 207.20 RAD 6569.3 VEL 13.786 PTH 2.52 VHP 12.416 OPA -65.72 RAP 111.03 ECC 2.1306
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 31.47 22 59 38 4689.71 -21.44 231.95 105.50 29.58 24 17 48 4089.7 -28.33 227.89
 148.53 8 52 21 2994.24 -21.43 91.42 105.48 29.58 9 42 15 2394.2 -28.32 87.36
 31.47 22 59 38 4689.71 -21.44 231.95 105.50 29.58 24 17 48 4089.7 -28.33 227.89
 148.53 8 52 21 2994.24 -21.43 91.42 105.48 29.58 9 42 15 2394.2 -28.32 87.36
 31.47 22 59 38 4689.71 -21.44 231.95 105.50 29.58 24 17 48 4089.7 -28.33 227.89
 148.53 8 52 21 2994.24 -21.43 91.42 105.48 29.58 9 42 15 2394.2 -28.32 87.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TDE 1.0670 TRA -1.0458 TC3 .0206 BAU .1961 SGT 1737.8 SGR 4432.3 SG3 156.3 ST 875.7 SR 1335.8 SS 619.1
 RDE -.2505 RRA 2.9350 RC3 -.2126 FAU .00758 RRT -.9198 RRF .9969 RTF -.3468 CRT -.6436 CRS -.9702 CST .8099
 FDE -.3056 FRA 1.1900 FC3 -.0955 BSP 14248 SGB 4760.8 R23 .0261 R13 .9995 LSA 1602.2 MSA 606.0 SSA 1.0
 BDE 1.0960 BRA 3.1157 BC3 .2136 FSP -483 SG1 4717.5 SG2 640.6 TMA 110.22 EL1 1477.9 EL2 605.8 ALF 117.97

LAUNCH DATE MAY 11 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 433.586
 RL 151.09 LAL -1.00 LOL 229.63 VL 27.143 GAL 3.36 AZL 81.80 HCA 187.79 SMA 130.11 ECC .17133 INC 8.1991 V1 29.490
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.915 GAP -1.29 AZP 98.12 TAL 163.36 TAP 351.16 RCA 107.81 APO 152.40 V2 35.088
 RC 80.046 GL 52.90 GP -73.75 ZAL 75.74 ZAP 85.38 ETS 16.52 ZAE 111.10 ETE 273.51 ZAC 106.81 ETC 353.56 CLP -73.26

PLANETOCENTRIC CONIC

C3 23.477 VHL 4.845 DLA 53.03 RAL 195.66 RAD 6568.0 VEL 12.036 PTH 2.15 VHP 7.759 OPA -55.91 RAP 125.30 ECC 1.3864
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 43.09 22 44 27 4361.97 -32.65 208.47 76.84 45.58 23 57 9 3762.0 -38.04 201.64
 136.91 7 35 25 2788.17 -32.64 82.92 76.83 45.57 8 21 53 2188.2 -38.03 76.09
 43.09 22 44 27 4361.97 -32.65 208.47 76.84 45.58 23 57 9 3762.0 -38.04 201.64
 136.91 7 35 25 2788.17 -32.64 82.92 76.83 45.57 8 21 53 2188.2 -38.03 76.09
 43.09 22 44 27 4361.97 -32.65 208.47 76.84 45.58 23 57 9 3762.0 -38.04 201.64
 136.91 7 35 25 2788.17 -32.64 82.92 76.83 45.57 8 21 53 2188.2 -38.03 76.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TDE .4588 TRA .0012 TC3 -.1789 BAU .4340 SGT 569.5 SGR 4640.4 SG3 302.7 ST 542.5 SR 1335.3 SS 671.8
 RDE .0428 RRA 2.2611 RC3 -1.3711 FAU .03014 RRT .1015 RRF .9994 RTF .0828 CRT .0395 CRS -.9958 CST .0524
 FDE -.0458 FRA 1.6955 FC3 -1.1115 BSP 14423 SGB 4675.2 R23 .0203 R13 .9994 LSA 1493.8 MSA 545.2 SSA 2.0
 BDE .4608 BRA 2.2611 BC3 1.3828 FSP -962 SG1 4640.8 SG2 566.6 TMA 89.28 EL1 1335.5 EL2 542.0 ALF 88.90

LAUNCH DATE MAY 11 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 439.939
 RL 151.09 LAL -1.00 LOL 229.63 VL 27.149 GAL 3.39 AZL 85.12 HCA 190.97 SMA 130.15 ECC .17111 INC 4.8754 V1 29.490
 RP 107.96 LAP -.93 LOP 60.56 VP 37.932 GAP -.85 AZP 94.79 TAL 163.19 TAP 354.15 RCA 107.88 APO 152.42 V2 35.101
 RC 82.236 GL 39.84 GP -65.00 ZAL 70.38 ZAP 86.67 ETS 8.16 ZAE 119.52 ETE 266.04 ZAC 110.01 ETC 351.66 CLP -82.09

PLANETOCENTRIC CONIC

C3 12.931 VHL 3.596 DLA 41.59 RAL 186.09 RAD 6567.5 VEL 11.590 PTH 2.03 VHP 5.862 OPA -47.78 RAP 131.41 ECC 1.2128
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.16 22 59 55 4089.26 -31.47 181.40 52.50 61.26 24 8 4 3489.3 -35.03 173.25
 121.84 6 3 35 2785.37 -31.46 81.62 52.50 61.25 6 50 0 2185.4 -35.02 73.47
 58.16 22 59 55 4089.26 -31.47 181.40 52.50 61.26 24 8 4 3489.3 -35.03 173.25
 121.84 6 3 35 2785.37 -31.46 81.62 52.50 61.25 6 50 0 2185.4 -35.02 73.47
 58.16 22 59 55 4089.26 -31.47 181.40 52.50 61.26 24 8 4 3489.3 -35.03 173.25
 121.84 6 3 35 2785.37 -31.46 81.62 52.50 61.25 6 50 0 2185.4 -35.02 73.47

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TDE .2953 TRA .2214 TC3 -.7248 BAU .4784 SGT 845.9 SGR 4435.8 SG3 484.1 ST 491.6 SR 1204.1 SS 758.9
 RDE .0574 RRA 1.8763 RC3 -2.6705 FAU .05302 RRT .7807 RRF .9994 RTF .7743 CRT .3609 CRS -.9955 CST -.2711
 FDE -.0176 FRA 2.3409 FC3 -3.5498 BSP 14013 SGB 4515.7 R23 .0270 R13 .9990 LSA 1432.7 MSA 463.6 SSA 3.1
 BDE .3008 BRA 1.8893 BC3 2.7671 FSP -1547 SG1 4485.3 SG2 522.7 TMA 81.41 EL1 1219.2 EL2 452.7 ALF 80.26

LAUNCH DATE MAY 11 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 446.296

RL 151.09 LAL -.00 LOL 229.63 VL 27.153 GAL 3.43 AZL 86.97 MCA 194.16 SMA 130.18 ECC .17111 INC 3.0326 V1 29.490
 RP 107.92 LAP -.74 LOP 63.78 VP 37.946 GAP -.42 AZP 92.94 TAL 162.99 TAP 357.15 RCA 107.91 APO 152.45 V2 35.113
 RC 84.440 GL 27.86 GP -57.75 ZAL 66.45 ZAP 89.34 ETS 2.20 ZAE 126.08 ETE 259.49 ZAC 112.84 ETC 351.49 CLP -88.76

PLANETOCENTRIC CONIC

C3 9.417 VHL 3.069 DLA 30.72 RAL 179.77 RAD 6567.3 VEL 11.437 PTH 1.98 VMP 4.887 DPA -40.68 RAP 134.48 ECC 1.1550
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.56 0 29 6 3692.05 -25.15 146.79 37.60 71.75 1 30 38 3092.0 -27.41 138.64
 102.44 3 47 57 3052.28 -25.14 99.61 37.60 71.73 4 38 49 2452.3 -27.40 91.46
 77.56 0 29 6 3692.05 -25.15 146.79 37.60 71.75 1 30 38 3092.0 -27.41 138.64
 102.44 3 47 57 3052.28 -25.14 99.61 37.60 71.73 4 38 49 2452.3 -27.40 91.46
 110.00 6 33 38 2534.88 -33.69 62.36 39.72 83.85 7 15 52 1934.9 -34.18 53.15
 110.00 2 42 36 3257.45 -17.16 111.30 33.77 59.97 3 36 53 2657.5 -21.02 104.30

DIFFERENTIAL CORRECTIONS

TDE .1774 TRA .3740 TC3-1.4820 BAU .4837
 RDE -.0711 RRA 1.6275 RC3-3.5446 FAU .07466
 FDE -.2639 FRA 2.9853 FC3-6.8640 BSP 13421
 BDE .1911 BRA 1.6699 BC3 3.8420 FSP -2139

MID-COURSE EXECUTION ACCURACY

SGT 1263.7 SGR 4152.7 SG3 669.4
 RRT .9159 RRF .9992 RTF .9127
 SGB 4340.7 R23 .0382 R13 .9985
 SG1 4313.2 SG2 488.5 THA 74.22

ORBIT DETERMINATION ACCURACY

ST 412.1 SR 1070.7 SS 848.9
 CRT .4901 CRS -.9924 CST -.3794
 LSA 1377.4 MSA 373.8 SSA 4.8
 EL1 1091.9 EL2 352.2 ALF 78.06

LAUNCH DATE MAY 11 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 452.643

RL 151.09 LAL -.00 LOL 229.63 VL 27.155 GAL 3.48 AZL 88.14 MCA 197.37 SMA 130.19 ECC .17131 INC 1.8572 V1 29.490
 RP 107.89 LAP -.55 LOP 68.99 VP 37.959 GAP .02 AZP 91.77 TAL 162.75 TAP .12 RCA 107.89 APO 152.49 V2 35.125
 RC 86.655 GL 18.01 GP -51.54 ZAL 63.91 ZAP 92.99 ETS 357.49 ZAE 131.14 ETE 252.61 ZAC 115.48 ETC 351.92 CLP -94.80

PLANETOCENTRIC CONIC

C3 8.076 VHL 2.842 DLA 21.57 RAL 175.65 RAD 6567.3 VEL 11.378 PTH 1.97 VMP 4.328 DPA -34.38 RAP 136.04 ECC 1.1329
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 42 49 2767.24 -28.06 79.44 29.99 94.00 5 28 56 2167.2 -27.21 70.87
 90.00 22 57 23 3918.59 -8.92 156.15 25.91 63.01 24 2 41 3318.6 -12.47 149.27
 100.00 6 19 6 2456.75 -29.32 56.47 29.86 96.11 7 0 3 1856.8 -28.16 47.86
 100.00 0 7 42 3704.31 -7.80 139.80 25.31 61.05 1 9 27 3104.3 -11.60 133.08
 110.00 7 58 40 2145.25 -32.42 32.25 29.30 101.48 8 34 25 1545.2 -30.50 23.56
 110.00 0 44 38 3588.58 -5.12 129.39 23.66 56.16 1 44 26 2988.6 -9.53 123.07

DIFFERENTIAL CORRECTIONS

TDE .0571 TRA .5145 TC3-2.2618 BAU .4821
 RDE -.1967 RRA 1.4344 RC3-3.8496 FAU .09325
 FDE -.6859 FRA 3.5499 FC3-9.9961 BSP 12891
 BDE .2048 BRA 1.5239 BC3 4.4649 FSP -2675

MID-COURSE EXECUTION ACCURACY

SGT 1705.9 SGR 3823.0 SG3 835.1
 RRT .9562 RRF .9990 RTF .9540
 SGB 4186.3 R23 .0518 R13 .9976
 SG1 4161.1 SG2 458.8 THA 66.59

ORBIT DETERMINATION ACCURACY

ST 356.0 SR 1015.8 SS 1008.4
 CRT .7441 CRS -.9906 CST -.6459
 LSA 1450.0 MSA 269.8 SSA 7.2
 EL1 1051.6 EL2 229.7 ALF 74.63

LAUNCH DATE MAY 11 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 458.979

RL 151.09 LAL -.00 LOL 229.63 VL 27.154 GAL 3.54 AZL 88.96 MCA 200.58 SMA 130.19 ECC .17173 INC 1.0389 V1 29.490
 RP 107.85 LAP -.37 LOP 70.21 VP 37.969 GAP .45 AZP 90.97 TAL 162.48 TAP 3.06 RCA 107.83 APO 152.54 V2 35.137
 RC 88.880 GL 10.28 GP -46.11 ZAL 62.32 ZAP 97.26 ETS 353.72 ZAE 134.85 ETE 245.24 ZAC 117.94 ETC 352.70 CLP -100.51

PLANETOCENTRIC CONIC

C3 7.586 VHL 2.754 DLA 14.27 RAL 172.90 RAD 6567.2 VEL 11.357 PTH 1.96 VMP 3.994 DPA -28.75 RAP 136.77 ECC 1.1248
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 47 48 2469.26 -24.82 58.28 23.88 104.08 6 28 57 1869.3 -22.64 50.29
 90.00 21 30 31 4193.59 -.17 171.62 20.75 61.68 22 40 25 3593.6 -3.95 164.99
 100.00 7 16 45 2182.42 -25.73 36.92 23.62 105.76 7 53 7 1582.4 -23.32 28.95
 100.00 22 44 16 3955.66 .65 153.67 20.30 60.11 23 50 12 3355.7 -3.33 147.15
 110.00 8 42 1 1915.62 -28.10 15.79 22.75 110.31 9 13 56 1315.6 -25.08 7.92
 110.00 23 35 29 3795.22 2.77 140.18 18.98 55.92 24 38 45 3195.2 -1.72 133.98

DIFFERENTIAL CORRECTIONS

TDE -.0739 TRA .6499 TC3-2.9586 BAU .4858
 RDE -.2907 RRA 1.2709 RC3-3.7674 FAU .10837
 FDE -1.1967 FRA 3.9925 FC-12.3676 BSP 12626
 BDE .3000 BRA 1.4274 BC3 4.7903 FSP -3142

MID-COURSE EXECUTION ACCURACY

SGT 2150.8 SGR 3480.5 SG3 970.0
 RRT .9726 RRF .9986 RTF .9707
 SGB 4091.4 R23 .0660 R13 .9964
 SG1 4069.0 SG2 427.7 THA 58.61

ORBIT DETERMINATION ACCURACY

ST 448.6 SR 1019.5 SS 1236.9
 CRT .9590 CRS -.9912 CST -.9135
 LSA 1654.0 MSA 186.6 SSA 10.4
 EL1 1107.7 EL2 117.0 ALF 66.85

LAUNCH DATE MAY 11 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 465.297

RL 151.09 LAL -.00 LOL 229.63 VL 27.151 GAL 3.61 AZL 89.57 MCA 203.80 SMA 130.17 ECC .17236 INC .4328 V1 29.490
 RP 107.82 LAP -.17 LOP 73.43 VP 37.978 GAP .88 AZP 90.40 TAL 162.16 TAP 5.97 RCA 107.73 APO 152.60 V2 35.149
 RC 91.113 GL 4.30 GP -41.33 ZAL 61.27 ZAP 101.88 ETS 350.74 ZAE 137.33 ETE 237.60 ZAC 120.17 ETC 353.77 CLP -105.91

PLANETOCENTRIC CONIC

C3 7.485 VHL 2.736 DLA 8.52 RAL 171.08 RAD 6567.2 VEL 11.352 PTH 1.96 VMP 3.797 DPA -23.72 RAP 137.06 ECC 1.1232
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 28 26 2274.45 -20.98 45.31 20.28 109.47 7 6 20 1674.5 -18.13 37.79
 90.00 20 35 19 4383.57 5.93 182.26 18.34 62.26 21 48 22 3783.6 2.17 175.59
 100.00 7 53 55 1998.76 -21.77 24.72 19.97 111.01 8 27 13 1398.8 -18.72 17.25
 100.00 21 52 31 4134.50 6.67 163.54 17.93 60.79 23 1 25 3534.5 2.73 156.97
 110.00 9 11 35 1755.68 -23.87 5.29 18.99 115.22 9 40 51 1155.7 -20.28 357.99
 110.00 22 51 20 3950.34 8.63 148.37 16.74 56.80 23 57 10 3350.3 4.20 142.08

DIFFERENTIAL CORRECTIONS

TDE -.2133 TRA .7830 TC3-3.5316 BAU .4939
 RDE -.3440 RRA 1.1307 RC3-3.4476 FAU .11845
 FDE -1.6959 FRA 4.3105 FC-13.6995 BSP 12503
 BDE .4048 BRA 1.3754 BC3 4.9354 FSP -3474

MID-COURSE EXECUTION ACCURACY

SGT 2585.2 SGR 3132.3 SG3 1065.7
 RRT .9802 RRF .9980 RTF .9787
 SGB 4061.3 R23 .0779 R13 .9950
 SG1 4041.9 SG2 396.2 THA 50.57

ORBIT DETERMINATION ACCURACY

ST 671.1 SR 1018.9 SS 1473.3
 CRT .9980 CRS -.9919 CST -.9829
 LSA 1907.7 MSA 139.3 SSA 13.8
 EL1 1219.5 EL2 35.3 ALF 56.65

LAUNCH DATE MAY 11 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 471.598

RL 151.09 LAL -.00 LOL 229.63 VL 27.146 GAL 3.70 AZL 90.04 HCA 207.02 SMA 130.13 ECC .17320 INC .0221 V1 29.490
 RP 107.78 LAP .02 LOP 76.66 VP 37.984 GAP 1.30 AZP 89.97 TAL 161.81 TAP 8.83 RCA 107.59 APO 152.67 V2 35.160
 RC 93.352 GL -.35 GP -37.10 ZAL 60.49 ZAP 106.61 ETS 348.41 ZAE 138.73 ETE 230.05 ZAC 122.12 ETC 355.07 CLP-111.00

PLANETOCENTRIC CONIC

C3 7.588 VHL 2.755 CLA 3.98 RAL 169.88 RAD 6567.2 VEL 11.357 PTH 1.96 VHP 3.693 DPA -19.25 RAP 137.14 ECC 1.1249
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 58 31 2132.99 -17.51 36.38 18.30 112.62 7 34 3 1533.0 -14.29 29.18
 90.00 19 55 42 4529.95 10.48 190.60 17.37 63.54 21 11 12 3930.0 6.84 183.81
 100.00 8 21 43 1864.61 -18.26 16.30 17.96 114.09 8 52 47 1264.6 -14.85 9.17
 100.00 21 15 11 4273.57 11.21 171.37 16.99 62.11 22 26 24 3673.6 7.39 164.66
 110.00 9 34 14 1637.64 -20.26 358.03 16.92 118.14 10 1 32 1037.6 -16.34 351.10
 110.00 22 19 9 4073.30 13.14 155.04 15.86 58.15 23 27 2 3473.3 8.83 148.58

DIFFERENTIAL CORRECTIONS

TCE -.3586 TRA .9137 TC3-3.9816 BAU .5084
 RDE -.3668 RRA 1.0085 RC3-3.0443 FAU .12407
 FDE-2.1412 FRA 4.5059 FC-14.1558 BSP 12604
 BDE .5130 BRA 1.3609 BC3 5.0121 FSP -3685

MID-COURSE EXECUTION ACCURACY

SGT 2999.5 SGR 2795.9 SG3 1122.9
 RRT .9842 RRF .9971 RTF .9831
 SGB 4100.5 R23 .0852 R13 .9935
 SG1 4084.4 SG2 363.2 TMA 42.95

ORBIT DETERMINATION ACCURACY

ST 942.0 SR 991.2 SS 1683.5
 CRT .9991 CRS -.9920 CST -.9957
 LSA 2165.6 MSA 119.0 SSA 16.1
 EL1 1367.2 EL2 28.5 ALF 46.46

LAUNCH DATE MAY 11 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 477.881

RL 151.09 LAL -.00 LOL 229.63 VL 27.140 GAL 3.81 AZL 90.41 HCA 210.25 SMA 130.09 ECC .17424 INC .4107 V1 29.490
 RP 107.75 LAP .21 LOP 79.88 VP 37.989 GAP 1.72 AZP 89.64 TAL 161.41 TAP 11.66 RCA 107.42 APO 152.75 V2 35.170
 RC 95.596 GL -3.99 GP -33.35 ZAL 59.82 ZAP 111.30 ETS 346.62 ZAE 139.21 ETE 222.98 ZAC 123.75 ETC 356.56 CLP-115.78

PLANETOCENTRIC CONIC

C3 7.809 VHL 2.794 CLA .33 RAL 169.15 RAD 6567.3 VEL 11.367 PTH 1.96 VHP 3.655 DPA -15.29 RAP 137.14 ECC 1.1285
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 22 42 2024.99 -14.56 29.82 17.36 114.56 7 56 27 1425.0 -11.13 22.83
 90.00 19 25 39 4648.44 13.98 197.55 17.28 65.12 20 43 8 4048.4 10.51 190.59
 100.00 8 44 12 1762.11 -15.30 10.13 17.00 115.99 9 13 34 1162.1 -11.68 3.21
 100.00 20 46 51 4386.55 14.72 177.92 16.91 63.68 21 59 57 3786.6 11.06 171.04
 110.00 9 52 48 1547.39 -17.27 352.74 15.91 119.97 10 18 35 947.4 -13.16 346.04
 110.00 21 54 44 4174.04 16.68 160.70 15.81 59.72 23 4 18 3574.0 12.53 154.04

DIFFERENTIAL CORRECTIONS

TCE -.5060 TRA 1.0435 TC3-4.3153 BAU .5272
 RDE -.3654 RRA .9038 RC3-2.6218 FAU .12521
 FDE-2.4970 FRA 4.6036 FC-13.8813 BSP 12853
 BDE .6242 BRA 1.3805 BC3 5.0493 FSP -3760

MID-COURSE EXECUTION ACCURACY

SGT 3386.9 SGR 2478.4 SG3 1144.6
 RRT .9860 RRF .9958 RTF .9855
 SGB 4196.8 R23 .0869 R13 .9923
 SG1 4183.4 SG2 335.0 TMA 36.08

ORBIT DETERMINATION ACCURACY

ST 1222.1 SR 934.0 SS 1849.0
 CRT .9964 CRS -.9911 CST -.9986
 LSA 2402.4 MSA 113.5 SSA 17.1
 EL1 1536.9 EL2 63.1 ALF 37.36

LAUNCH DATE MAY 11 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 484.144

RL 151.09 LAL -.00 LOL 229.63 VL 27.131 GAL 3.92 AZL 90.72 HCA 213.48 SMA 130.03 ECC .17549 INC .7209 V1 29.490
 RP 107.72 LAP .40 LOP 83.11 VP 37.993 GAP 2.14 AZP 89.40 TAL 160.98 TAP 14.46 RCA 107.21 APO 152.85 V2 35.180
 RC 97.843 GL -6.87 GP -30.03 ZAL 59.17 ZAP 115.85 ETS 345.25 ZAE 139.00 ETE 216.65 ZAC 125.04 ETC 358.16 CLP-120.24

PLANETOCENTRIC CONIC

C3 8.110 VHL 2.848 CLA -2.64 RAL 168.77 RAD 6567.3 VEL 11.380 PTH 1.97 VHP 3.666 DPA -11.81 RAP 137.16 ECC 1.1335
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 43 12 1939.89 -12.10 24.79 17.11 115.80 8 15 32 1339.9 -8.53 17.93
 90.00 19 2 6 4747.48 16.73 203.52 17.76 66.81 20 21 14 4147.5 13.45 196.38
 100.00 9 3 19 1681.46 -12.84 5.40 16.73 117.23 9 31 20 1081.5 -9.09 358.62
 100.00 20 24 41 4481.14 17.49 183.58 17.41 65.36 21 39 22 3881.1 14.02 176.50
 110.00 10 8 44 1476.66 -14.82 348.72 15.59 121.16 10 33 21 876.7 -10.59 342.18
 110.00 21 35 45 4258.71 19.52 165.62 16.33 61.36 22 46 43 3658.7 15.54 158.76

DIFFERENTIAL CORRECTIONS

TCE -.6554 TRA 1.1703 TC3-4.5589 BAU .5506
 RDE -.7505 RRA .8117 RC3-2.2381 FAU .12354
 FDE-2.7728 FRA 4.6084 FC-13.1885 BSP 13315
 BDE .7433 BRA 1.4242 BC3 5.0787 FSP -3761

MID-COURSE EXECUTION ACCURACY

SGT 3746.5 SGR 2189.8 SG3 1138.7
 RRT .9865 RRF .9939 RTF .9871
 SGB 4339.6 R23 .0820 R13 .9913
 SG1 4328.5 SG2 310.4 TMA 30.14

ORBIT DETERMINATION ACCURACY

ST 1498.3 SR 859.9 SS 1976.1
 CRT .9933 CRS -.9895 CST -.9994
 LSA 2622.2 MSA 114.3 SSA 17.3
 EL1 1725.4 EL2 86.1 ALF 29.77

LAUNCH DATE MAY 11 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 490.387

RL 151.09 LAL -.00 LOL 229.63 VL 27.121 GAL 4.05 AZL 90.98 HCA 216.71 SMA 129.96 ECC .17694 INC .9823 V1 29.490
 RP 107.69 LAP .59 LOP 86.34 VP 37.995 GAP 2.56 AZP 89.21 TAL 160.51 TAP 17.21 RCA 106.96 APO 152.95 V2 35.190
 RC 100.092 GL -9.17 GP -27.11 ZAL 58.50 ZAP 120.18 ETS 344.22 ZAE 138.30 ETE 211.20 ZAC 125.97 ETC 359.80 CLP-124.38

PLANETOCENTRIC CONIC

C3 8.470 VHL 2.910 CLA -5.09 RAL 168.66 RAD 6567.3 VEL 11.396 PTH 1.97 VHP 3.715 DPA -8.78 RAP 137.28 ECC 1.1394
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 1 12 1871.32 -10.03 20.81 17.35 116.62 8 32 23 1271.3 -6.38 14.03
 90.00 18 43 15 4832.32 18.92 208.78 18.64 68.53 20 3 47 4232.3 15.84 201.46
 100.00 9 20 8 1616.66 -10.80 1.68 16.95 118.04 9 47 5 1016.7 -6.96 354.99
 100.00 20 7 0 4562.21 19.72 188.57 18.30 67.07 21 23 2 3962.2 16.44 181.31
 110.00 10 22 53 1420.23 -12.81 345.59 15.76 121.97 10 46 33 820.2 -8.50 339.15
 110.00 21 20 44 4331.41 21.83 170.00 17.25 63.01 22 32 56 3731.4 18.03 162.92

DIFFERENTIAL CORRECTIONS

TCE -.8041 TRA 1.2960 TC3-4.7211 BAU .5762
 RDE -.3256 RRA .7328 RC3-1.8985 FAU .11944
 FDE-2.9636 FRA 4.5502 FC-12.2087 BSP 13884
 BDE .8676 BRA 1.4888 BC3 5.0885 FSP -3690

MID-COURSE EXECUTION ACCURACY

SGT 4076.7 SGR 1931.3 SG3 1111.2
 RRT .9858 RRF .9911 RTF .9880
 SGB 4511.0 R23 .0720 R13 .9906
 SG1 4501.4 SG2 293.4 TMA 25.15

ORBIT DETERMINATION ACCURACY

ST 1761.7 SR 775.2 SS 2064.3
 CRT .9897 CRS -.9868 CST -.9997
 LSA 2819.9 MSA 117.7 SSA 17.2
 EL1 1922.0 EL2 101.7 ALF 23.60

LAUNCH DATE MAY 11 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 496.609

RL 151.09 LAL -1.00 LOL 229.63 VL 27.109 GAL 4.20 AZL 91.21 MCA 219.94 SMA 129.88 ECC .17859 INC 1.2070 V1 29.490
 RP 107.66 LAP .78 LOP 89.57 VP 37.995 GAP 2.98 AZP 89.07 TAL 159.99 TAP 19.94 RCA 106.68 APO 153.07 V2 35.199
 RC 102.344 GL -11.02 GP -24.53 ZAL 57.79 ZAP 124.26 ETS 343.43 ZAE 137.28 ETE 206.62 ZAC 126.55 ETC 1.42 CLP-128.23

PLANETOCENTRIC CONIC

C3 8.881 VHL 2.980 DLA -7.16 RAL 168.77 RAD 6567.3 VEL 11.414 PTH 1.98 VHP 3.794 DPA -6.16 RAP 137.51 ECC 1.1462
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 17 25 1815.19 -8.30 17.59 17.96 117.17 8 47 40 1215.2 -4.60 10.87
 90.00 18 27 57 4906.47 20.70 213.49 19.83 70.24 19 49 44 4306.5 17.82 206.00
 100.00 9 35 20 1563.83 -9.09 358.69 17.54 118.60 10 1 24 963.8 -5.20 352.06
 100.00 19 52 43 4633.06 21.53 193.05 19.50 68.75 21 9 56 4033.1 18.45 185.61
 110.00 10 35 45 1374.66 -11.16 343.09 16.30 122.52 10 58 39 774.7 -6.79 336.72
 110.00 21 8 48 4394.99 23.74 173.94 18.47 64.65 22 22 3 3795.0 20.12 166.66

DIFFERENTIAL CORRECTIONS

TDE -.9515 TRA 1.4213 TC3-4.8161 BAU .6029
 RDE -.2951 RRA .6654 RC3-1.6077 FAU .11377
 FDE-3.0813 FRA 4.4486 FC-11.0901 BSP 14522
 BDE .9962 BRA 1.5694 BC3 5.0774 FSP -3567

MID-COURSE EXECUTION ACCURACY

SGT 4378.5 SGR 1703.7 SG3 1069.0
 RRT .9839 RRF .9872 RTF .9885
 SGB 4698.3 R23 .0586 R13 .9901
 SG1 4689.7 SG2 284.3 TMA 21.03

ORBIT DETERMINATION ACCURACY

ST 2009.1 SR 687.3 SS 2120.0
 CRT .9849 CRS -.9826 CST -.9998
 LSA 2998.0 MSA 121.9 SSA 17.0
 EL1 2120.4 EL2 112.8 ALF 18.67

LAUNCH DATE MAY 11 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 502.810

RL 151.09 LAL -1.00 LOL 229.63 VL 27.096 GAL 4.36 AZL 91.40 MCA 223.18 SMA 129.79 ECC .18045 INC 1.4034 V1 29.490
 RP 107.63 LAP .96 LOP 92.80 VP 37.993 GAP 3.40 AZP 88.98 TAL 159.44 TAP 22.62 RCA 106.37 APO 153.21 V2 35.208
 RC 104.596 GL -12.51 GP -22.27 ZAL 57.02 ZAP 128.07 ETS 342.83 ZAE 136.09 ETE 202.84 ZAC 126.82 ETC 2.98 CLP-131.78

PLANETOCENTRIC CONIC

C3 9.340 VHL 3.056 DLA -8.91 RAL 169.07 RAD 6567.3 VEL 11.434 PTH 1.98 VHP 3.898 DPA -3.91 RAP 137.88 ECC 1.1537
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 32 18 1768.78 -6.85 14.95 18.86 117.54 9 1 47 1168.8 -3.11 8.27
 90.00 18 15 27 4972.36 22.16 217.77 21.26 71.90 19 38 20 4372.4 19.48 210.12
 100.00 9 49 18 1520.36 -7.66 356.25 18.43 118.98 10 14 38 920.4 -3.74 349.66
 100.00 19 41 8 4696.01 23.03 197.13 20.93 70.39 20 59 24 4096.0 20.14 189.52
 110.00 10 47 39 1337.63 -9.79 341.09 17.13 122.91 11 9 57 737.6 -5.39 334.77
 110.00 20 59 16 4451.50 25.34 177.55 19.93 66.25 22 13 28 3851.5 21.91 170.08

DIFFERENTIAL CORRECTIONS

TDE-1.0957 TRA 1.5483 TC3-4.8500 BAU .6290
 RDE -.2610 RRA .6088 RC3-1.3606 FAU .10695
 FDE-3.1344 FRA 4.3227 FC3-9.9130 BSP 15170
 BDE 1.1264 BRA 1.6637 BC3 5.0372 FSP -3406

MID-COURSE EXECUTION ACCURACY

SGT 4651.9 SGR 1505.2 SG3 1016.9
 RRT .9804 RRF .9816 RTF .9887
 SGB 4889.4 R23 .0443 R13 .9897
 SG1 4881.2 SG2 282.7 TMA 17.66

ORBIT DETERMINATION ACCURACY

ST 2237.1 SR 600.2 SS 2146.6
 CRT .9779 CRS -.9759 CST -.9999
 LSA 3155.4 MSA 126.6 SSA 16.8
 EL1 2313.1 EL2 121.4 ALF 14.74

LAUNCH DATE MAY 11 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 508.990

RL 151.09 LAL -1.00 LOL 229.63 VL 27.082 GAL 4.54 AZL 91.58 MCA 226.41 SMA 129.69 ECC .18252 INC 1.5775 V1 29.490
 RP 107.61 LAP 1.14 LOP 96.04 VP 37.991 GAP 3.83 AZP 88.91 TAL 158.86 TAP 25.27 RCA 106.02 APO 153.36 V2 35.216
 RC 106.849 GL -13.70 GP -20.29 ZAL 56.21 ZAP 131.61 ETS 342.35 ZAE 134.83 ETE 199.74 ZAC 126.79 ETC 4.43 CLP-135.08

PLANETOCENTRIC CONIC

C3 9.847 VHL 3.138 DLA -10.41 RAL 169.52 RAD 6567.4 VEL 11.456 PTH 1.99 VHP 4.023 DPA -2.00 RAP 138.40 ECC 1.1621
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 46 9 1730.19 -5.63 12.77 20.00 117.80 9 14 59 1130.2 -1.87 6.12
 90.00 18 5 13 5031.74 23.36 221.71 22.87 73.52 19 29 4 4431.7 20.88 213.92
 100.00 10 2 19 1484.44 -6.47 354.25 19.54 119.25 10 27 4 884.4 -2.53 347.68
 100.00 19 31 43 4752.71 24.27 200.88 22.56 72.00 20 50 56 4152.7 21.58 193.11
 110.00 10 58 50 1307.49 -8.67 339.48 18.19 123.19 11 20 37 707.5 -4.24 333.19
 110.00 20 51 42 4502.43 26.69 180.89 21.58 67.80 22 6 45 3902.4 23.44 173.24

DIFFERENTIAL CORRECTIONS

TDE-1.2351 TRA 1.6799 TC3-4.8255 BAU .6531
 RDE -.2250 RRA .5618 RC3-1.1506 FAU .09927
 FDE-3.1323 FRA 4.1895 FC3-8.7274 BSP 15760
 BDE 1.2554 BRA 1.7714 BC3 4.9608 FSP -3211

MID-COURSE EXECUTION ACCURACY

SGT 4897.2 SGR 1333.4 SG3 959.0
 RRT .9749 RRF .9741 RTF .9887
 SGB 5075.5 R23 .0311 R13 .9892
 SG1 5067.4 SG2 287.0 TMA 14.91

ORBIT DETERMINATION ACCURACY

ST 2443.1 SR 516.9 SS 2147.7
 CRT .9670 CRS -.9654 CST -.9999
 LSA 3291.0 MSA 131.8 SSA 16.6
 EL1 2493.8 EL2 128.9 ALF 11.59

LAUNCH DATE MAY 11 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 515.146

RL 151.09 LAL -1.00 LOL 229.63 VL 27.067 GAL 4.73 AZL 91.73 MCA 229.65 SMA 129.58 ECC .18480 INC 1.7338 V1 29.490
 RP 107.59 LAP 1.32 LOP 99.27 VP 37.987 GAP 4.25 AZP 88.88 TAL 158.24 TAP 27.89 RCA 105.64 APO 153.53 V2 35.223
 RC 109.101 GL -14.66 GP -18.55 ZAL 55.34 ZAP 134.90 ETS 341.96 ZAE 133.56 ETE 197.21 ZAC 126.51 ETC 5.75 CLP-135.13

PLANETOCENTRIC CONIC

C3 10.405 VHL 3.226 DLA -11.70 RAL 170.11 RAD 6567.4 VEL 11.480 PTH 2.00 VHP 4.165 DPA -.38 RAP 139.07 ECC 1.1712
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 59 11 1698.08 -4.61 10.97 21.32 117.97 9 27 29 1098.1 -.83 4.33
 90.00 17 56 50 5085.89 24.36 225.36 24.65 75.09 19 21 35 4485.9 22.07 217.44
 100.00 10 14 35 1454.78 -5.48 352.60 20.84 119.43 10 38 50 854.8 -1.52 346.05
 100.00 19 24 6 4804.41 25.32 204.36 24.36 73.55 20 44 11 4204.4 22.82 196.46
 110.00 11 9 25 1283.08 -7.76 338.17 19.44 123.40 11 30 48 683.1 -3.32 331.91
 110.00 20 45 46 4548.88 27.85 184.01 23.41 69.32 22 1 35 3948.9 24.78 176.18

DIFFERENTIAL CORRECTIONS

TDE-1.3739 TRA 1.8123 TC3-4.7696 BAU .6773
 RDE -.1901 RRA .5215 RC3 -.9798 FAU .09185
 FDE-3.1028 FRA 4.0433 FC3-7.6426 BSP 16398
 BDE 1.3870 BRA 1.8858 BC3 4.8692 FSP -3027

MID-COURSE EXECUTION ACCURACY

SGT 5121.6 SGR 1186.7 SG3 899.9
 RRT .9672 RRF .9640 RTF .9886
 SGB 5257.3 R23 .0185 R13 .9889
 SG1 5249.1 SG2 294.2 TMA 12.67

ORBIT DETERMINATION ACCURACY

ST 2633.8 SR 441.4 SS 2136.3
 CRT .9809 CRS -.9494 CST -.9999
 LSA 3417.1 MSA 136.6 SSA 16.5
 EL1 2667.1 EL2 135.0 ALF 9.08

LAUNCH DATE MAY 11 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC
 RL 151.09 LAL -1.00 LOL 229.63 VL 27.050 GAL 4.94 AZL 91.88 MCA 232.89 SMA 129.47 ECC .18730 INC 1.8759 V1 29.490
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.981 GAP 4.68 AZP 88.87 TAL 157.59 TAP 30.48 RCA 105.22 APO 153.72 V2 35.230
 RC 111.351 GL -15.41 GP -17.02 ZAL 54.43 ZAP 137.96 ETS 341.62 ZAE 132.33 ETE 195.14 ZAC 125.99 ETC 6.93 CLP-140.96

PLANETOCENTRIC CONIC
 C3 11.017 VHL 3.319 DLA -12.83 RAL 170.80 RAD 6567.4 VEL 11.507 PTH 2.00 VHP 4.323 DPA .97 RAP 139.89 ECC 1.1813
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 11 31 1671.48 -3.76 9.48 22.81 118.09 9 39 23 1071.5 .03 2.84
 90.00 17 50 1 5135.77 25.19 228.78 26.57 76.61 19 15 37 4535.8 23.10 220.74
 100.00 10 26 13 1430.45 -4.67 351.26 22.31 119.56 10 50 4 830.5 -.70 344.72
 100.00 19 18 0 4852.03 26.19 207.63 26.29 75.05 20 38 52 4252.0 23.88 199.59
 110.00 11 19 31 1263.55 -7.03 337.14 20.86 123.54 11 40 35 663.5 -2.57 330.89
 110.00 20 41 12 4591.70 28.84 186.95 25.37 70.80 21 57 43 3991.7 25.95 178.96

DIFFERENTIAL CORRECTIONS
 TOE-1.5102 TRA 1.9494 TC3-4.6784 BAU .7000
 RDE -.1557 RRA .4878 RC3 -.8373 FAU .08447
 FDE-3.0469 FRA 3.8999 FC3-6.6375 BSP 16999
 BDE 1.5182 BRA 2.0096 BC3 4.7527 FSP -2838

MID-COURSE EXECUTION ACCURACY
 SGT 5324.7 SGR 1061.6 SG3 841.0
 RRT .9566 RRF .9508 RTF .9883
 SGB 5429.5 R23 .0079 R13 .9885
 SG1 5421.0 SG2 303.8 THA 10.83

ORBIT DETERMINATION ACCURACY
 ST 2806.5 SR 373.7 SS 2111.8
 CRT .9254 CRS -.9241 CST -.9999
 LSA 3529.2 MSA 141.3 SSA 16.3
 EL1 2827.8 EL2 140.6 ALF 7.04

LAUNCH DATE MAY 11 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC
 RL 151.09 LAL -1.00 LOL 229.63 VL 27.033 GAL 5.16 AZL 92.01 MCA 236.13 SMA 129.35 ECC .19003 INC 2.0064 V1 29.490
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.974 GAP 5.11 AZP 88.88 TAL 156.91 TAP 33.04 RCA 104.77 APO 153.93 V2 35.236
 RC 113.598 GL -16.00 GP -15.68 ZAL 53.47 ZAP 140.79 ETS 341.30 ZAE 131.15 ETE 193.44 ZAC 125.27 ETC 7.98 CLP-143.59

PLANETOCENTRIC CONIC
 C3 11.690 VHL 3.419 DLA -13.82 RAL 171.59 RAD 6567.4 VEL 11.536 PTH 2.01 VHP 4.494 DPA 2.08 RAP 140.83 ECC 1.1924
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 23 16 1649.68 -3.06 8.26 24.45 118.16 9 50 46 1049.7 .73 1.63
 90.00 17 44 33 5182.13 25.88 232.00 28.62 78.08 19 10 55 4582.1 23.98 223.85
 100.00 10 37 19 1410.76 -4.01 350.17 23.92 119.65 11 0 50 810.8 -.03 343.64
 100.00 19 13 11 4896.28 26.93 210.71 28.35 76.52 20 34 47 4296.3 24.81 202.55
 110.00 11 29 12 1248.25 -6.45 336.33 22.41 123.64 11 50 0 648.3 -1.99 330.09
 110.00 20 37 47 4631.55 29.70 189.73 27.47 72.24 21 54 59 4031.6 26.99 181.59

DIFFERENTIAL CORRECTIONS
 TOE-1.6441 TRA 2.0920 TC3-4.5592 BAU .7213
 RDE -.1224 RRA .4595 RC3 -.7188 FAU .07738
 FDE-2.9727 FRA 3.7616 FC3-5.7304 BSP 17569
 BDE 1.6486 BRA 2.1418 BC3 4.6155 FSP -2655

MID-COURSE EXECUTION ACCURACY
 SGT 5508.5 SGR 955.3 SG3 783.9
 RRT .9426 RRF .9341 RTF .9880
 SGB 5590.7 R23 -.0009 R13 .9880
 SG1 5581.9 SG2 314.7 THA 9.31

ORBIT DETERMINATION ACCURACY
 ST 2961.8 SR 314.4 SS 2077.2
 CRT .8848 CRS -.8837 CST -1.0000
 LSA 3628.3 MSA 146.4 SSA 16.2
 EL1 2974.9 EL2 145.9 ALF 5.38

LAUNCH DATE MAY 11 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC
 RL 151.09 LAL -1.00 LOL 229.63 VL 27.014 GAL 5.40 AZL 92.13 MCA 239.38 SMA 129.22 ECC .19300 INC 2.1273 V1 29.490
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.966 GAP 5.54 AZP 88.92 TAL 156.20 TAP 35.57 RCA 104.28 APO 154.16 V2 35.241
 RC 115.842 GL -16.45 GP -14.50 ZAL 52.47 ZAP 143.43 ETS 340.98 ZAE 130.05 ETE 192.04 ZAC 124.37 ETC 8.88 CLP-146.05

PLANETOCENTRIC CONIC
 C3 12.429 VHL 3.525 DLA -14.69 RAL 172.45 RAD 6567.5 VEL 11.568 PTH 2.02 VHP 4.677 DPA 2.99 RAP 141.91 ECC 1.2046
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 34 29 1632.15 -2.50 7.28 26.21 118.22 10 1 41 1032.1 1.30 .65
 90.00 17 40 15 5225.54 26.45 235.05 30.77 79.51 19 7 21 4625.5 24.74 226.80
 100.00 10 47 55 1395.19 -3.48 349.31 25.66 119.71 11 11 10 795.2 .50 342.79
 100.00 19 9 30 4937.73 27.56 213.63 30.52 77.93 20 31 48 4337.7 25.62 205.37
 110.00 11 38 30 1236.73 -6.02 335.72 24.09 123.71 11 59 7 636.7 -1.55 329.49
 110.00 20 35 24 4668.95 30.45 192.39 29.68 73.65 21 53 13 4068.9 27.91 184.11

DIFFERENTIAL CORRECTIONS
 TOE-1.7756 TRA 2.2413 TC3-4.4159 BAU .7410
 RDE -.0900 RRA .4358 RC3 -.6196 FAU .07063
 FDE-2.8863 FRA 3.6318 FC3-4.9194 BSP 18100
 BDE 1.7779 BRA 2.2833 BC3 4.4591 FSP -2479

MID-COURSE EXECUTION ACCURACY
 SGT 5674.6 SGR 865.1 SG3 729.4
 RRT .9247 RRF .9132 RTF .9876
 SGB 5740.2 R23 -.0081 R13 .9876
 SG1 5730.9 SG2 326.1 THA 8.05

ORBIT DETERMINATION ACCURACY
 ST 3100.3 SR 264.3 SS 2035.3
 CRT .8197 CRS -.8188 CST -1.0000
 LSA 3715.0 MSA 151.2 SSA 16.0
 EL1 3107.9 EL2 151.0 ALF 4.01

LAUNCH DATE MAY 11 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC
 RL 151.09 LAL -1.00 LOL 229.63 VL 26.995 GAL 5.67 AZL 92.24 MCA 242.62 SMA 129.09 ECC .19621 INC 2.2405 V1 29.490
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.956 GAP 5.98 AZP 88.97 TAL 155.46 TAP 38.08 RCA 103.76 APO 154.42 V2 35.246
 RC 118.080 GL -16.77 GP -13.45 ZAL 51.44 ZAP 145.89 ETS 340.64 ZAE 129.02 ETE 190.88 ZAC 123.31 ETC 9.66 CLP-148.35

PLANETOCENTRIC CONIC
 C3 13.243 VHL 3.639 DLA -15.45 RAL 173.39 RAD 6567.5 VEL 11.603 PTH 2.03 VHP 4.872 DPA 3.71 RAP 143.10 ECC 1.2179
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 45 12 1618.49 -2.06 6.51 28.07 118.25 10 12 11 1018.5 1.74 359.89
 90.00 17 36 59 5266.44 26.93 237.95 33.02 80.89 19 4 46 4666.4 25.39 229.62
 100.00 10 58 5 1383.35 -3.08 348.66 27.51 119.75 11 21 8 783.3 .90 342.14
 100.00 19 6 48 4976.81 28.08 216.42 32.79 79.31 20 29 45 4376.8 26.32 208.06
 110.00 11 47 29 1228.62 -5.71 335.29 25.87 123.76 12 7 57 628.6 -1.24 329.06
 110.00 20 33 54 4704.30 31.10 194.93 32.00 75.03 21 52 18 4104.3 28.73 186.53

DIFFERENTIAL CORRECTIONS
 TOE-1.9032 TRA 2.4004 TC3-4.2447 BAU .7574
 RDE -.0584 RRA .4162 RC3 -.5344 FAU .06401
 FDE-2.7889 FRA 3.5147 FC3-4.1844 BSP 18531
 BDE 1.9041 BRA 2.4362 BC3 4.2782 FSP -2301

MID-COURSE EXECUTION ACCURACY
 SGT 5822.2 SGR 788.6 SG3 677.7
 RRT .9023 RRF .8878 RTF .9871
 SGB 5875.3 R23 -.0136 R13 .9871
 SG1 5865.6 SG2 337.5 THA 6.99

ORBIT DETERMINATION ACCURACY
 ST 3220.5 SR 224.0 SS 1985.9
 CRT .7158 CRS -.7153 CST -1.0000
 LSA 3786.9 MSA 156.3 SSA 15.9
 EL1 3224.5 EL2 156.2 ALF 2.86

LAUNCH DATE MAY 11 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 545.541

RL 151.09 LAL -1.00 LOL 229.63 VL 26.974 GAL 5.95 AZL 92.35 MCA 245.87 SMA 128.95 ECC .19969 INC 2.3472 V1 29.490
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.946 GAP 6.43 AZP 89.04 TAL 154.70 TAP 40.56 RCA 103.20 APO 154.71 V2 35.250
 RC 120.312 GL -16.99 GP -12.53 ZAL 50.38 ZAP 148.18 ETS 340.27 ZAE 128.07 ETE 189.92 ZAC 122.13 ETC 10.33 CLP-150.51

PLANETOCENTRIC CONIC

C3 14.140 VHL 3.760 DLA -16.12 RAL 174.38 RAD 6567.6 VEL 11.642 PTH 2.04 VHP 5.079 DPA 4.27 RAP 144.39 ECC 1.2327
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 55 28 1608.37 -1.73 5.95 30.04 118.27 10 22 16 1008.4 2.06 359.32
 90.00 17 34 38 5305.19 27.31 240.72 35.36 82.22 19 3 4 4705.2 25.96 232.32
 100.00 11 7 49 1374.95 -2.80 348.20 29.45 119.77 11 30 44 774.9 1.19 341.67
 100.00 19 4 59 5013.86 28.52 219.09 35.16 80.65 20 28 33 4413.9 26.93 210.64
 110.00 11 56 7 1223.64 -5.52 335.03 27.76 123.79 12 16 31 623.6 -1.05 328.80
 110.00 20 33 10 4737.94 31.66 197.39 34.42 76.39 21 52 8 4137.9 29.47 188.87

DIFFERENTIAL CORRECTIONS

TOE-2.0324 TRA 2.5651 TC3-4.0676 BAU .7739
 RDE -.0283 RRA .3991 RC3 -.4638 FAU .05812
 FDE-2.6941 FRA 3.4025 FC3-3.5581 BSP 18993
 BDE 2.0326 BRA 2.5959 BC3 4.0940 FSP -2146

MID-COURSE EXECUTION ACCURACY

SGT 5958.1 SGR 724.0 SG3 629.8
 RRT .8753 RRF .8576 RTF .9867
 SGB 6001.9 R23 -.0185 R13 .9866
 SGI 5991.8 SG2 348.2 THA 6.09

ORBIT DETERMINATION ACCURACY

ST 3329.8 SR 195.0 SS 1936.6
 CRT .5640 CRS -.5638 CST-1.0000
 LSA 3853.5 MSA 161.0 SSA 15.7
 EL1 3331.6 EL2 160.9 ALF 1.90

LAUNCH DATE MAY 11 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 551.531

RL 151.09 LAL -1.00 LOL 229.63 VL 26.953 GAL 6.25 AZL 92.45 MCA 249.11 SMA 128.81 ECC .20345 INC 2.4486 V1 29.490
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.934 GAP 6.89 AZP 89.13 TAL 153.91 TAP 43.02 RCA 102.61 APO 155.02 V2 35.253
 RC 122.538 GL -17.11 GP -11.71 ZAL 49.30 ZAP 150.33 ETS 339.85 ZAE 127.20 ETE 189.10 ZAC 120.82 ETC 10.89 CLP-152.54

PLANETOCENTRIC CONIC

C3 15.132 VHL 3.890 DLA -16.71 RAL 175.42 RAD 6567.6 VEL 11.684 PTH 2.05 VHP 5.296 DPA 4.68 RAP 145.78 ECC 1.2490
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 5 17 1601.62 -1.51 5.57 32.10 118.28 10 31 59 1001.6 2.28 358.95
 90.00 17 33 7 5342.09 27.63 243.38 37.79 83.52 19 2 9 4742.1 26.44 234.91
 100.00 11 17 9 1369.75 -2.62 347.91 31.48 119.79 11 39 58 769.8 1.36 341.39
 100.00 19 3 56 5049.19 28.88 221.65 37.61 81.95 20 28 5 4449.2 27.47 213.13
 110.00 12 4 26 1221.58 -5.44 334.92 29.73 123.80 12 24 48 621.6 -.97 328.70
 110.00 20 33 8 4770.13 32.15 199.77 36.93 77.72 21 52 38 4170.1 30.13 191.15

DIFFERENTIAL CORRECTIONS

TOE-2.1607 TRA 2.7390 TC3-3.8777 BAU .7887
 RDE -.0010 RRA .3844 RC3 -.4034 FAU .05260
 FDE-2.5983 FRA 3.3000 FC3-3.0096 BSP 19418
 BDE 2.1607 BRA 2.7658 BC3 3.8986 FSP -2000

MID-COURSE EXECUTION ACCURACY

SGT 6080.5 SGR 669.2 SG3 585.3
 RRT .8434 RRF .8226 RTF .9862
 SGB 6117.2 R23 -.0224 R13 .9861
 SGI 6106.7 SG2 358.1 THA 5.32

ORBIT DETERMINATION ACCURACY

ST 3425.4 SR 177.6 SS 1885.0
 CRT .3621 CRS -.3623 CST-1.0000
 LSA 3910.3 MSA 165.5 SSA 15.5
 EL1 3426.0 EL2 165.5 ALF 1.08

LAUNCH DATE MAY 11 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 557.487

RL 151.09 LAL -1.00 LOL 229.63 VL 26.932 GAL 6.57 AZL 92.55 MCA 252.36 SMA 128.67 ECC .20750 INC 2.5458 V1 29.490
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.921 GAP 7.36 AZP 89.23 TAL 153.11 TAP 45.47 RCA 101.97 APO 155.37 V2 35.256
 RC 124.755 GL -17.16 GP -10.98 ZAL 48.21 ZAP 152.35 ETS 339.37 ZAE 126.40 ETE 188.41 ZAC 119.42 ETC 11.36 CLP-154.46

PLANETOCENTRIC CONIC

C3 16.229 VHL 4.029 DLA -17.23 RAL 176.50 RAD 6567.7 VEL 11.731 PTH 2.07 VHP 5.525 DPA 4.96 RAP 147.25 ECC 1.2671
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 14 40 1598.00 -1.40 5.37 34.23 118.29 10 41 18 998.0 2.40 358.74
 90.00 17 32 19 5377.37 27.87 245.93 40.29 84.78 19 1 57 4777.4 26.85 237.41
 100.00 11 26 4 1367.58 -2.55 347.79 33.59 119.79 11 48 52 767.6 1.44 341.27
 100.00 19 3 36 5083.02 29.18 224.12 40.13 83.22 20 28 19 4483.0 27.94 215.54
 110.00 12 12 27 1222.26 -5.47 334.96 31.77 123.80 12 32 50 622.3 -.99 328.73
 110.00 20 33 42 4801.10 32.58 202.09 39.52 79.02 21 53 43 4201.1 30.72 193.36

DIFFERENTIAL CORRECTIONS

TOE-2.2889 TRA 2.9227 TC3-3.6788 BAU .8018
 RDE -.0296 RRA .3715 RC3 -.3512 FAU .04749
 FDE-2.5039 FRA 3.2069 FC3-2.5333 BSP 19814
 BDE 2.2890 BRA 2.9462 BC3 3.6955 FSP -1865

MID-COURSE EXECUTION ACCURACY

SGT 6190.6 SGR 622.8 SG3 544.1
 RRT .8065 RRF .7827 RTF .9857
 SGB 6221.9 R23 -.0255 R13 .9856
 SGI 6211.0 SG2 367.1 THA 4.65

ORBIT DETERMINATION ACCURACY

ST 3508.5 SR 171.4 SS 1832.5
 CRT .1337 CRS -.1343 CST-1.0000
 LSA 3958.3 MSA 169.9 SSA 15.3
 EL1 3508.6 EL2 169.9 ALF .38

LAUNCH DATE MAY 11 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 563.407

RL 151.09 LAL -1.00 LOL 229.63 VL 26.910 GAL 6.92 AZL 92.64 MCA 255.60 SMA 128.52 ECC .21187 INC 2.6395 V1 29.490
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.907 GAP 7.84 AZP 89.34 TAL 152.29 TAP 47.89 RCA 101.29 APO 155.75 V2 35.258
 RC 126.964 GL -17.13 GP -10.33 ZAL 47.10 ZAP 154.25 ETS 338.81 ZAE 125.67 ETE 187.82 ZAC 117.92 ETC 11.75 CLP-156.28

PLANETOCENTRIC CONIC

C3 17.446 VHL 4.177 DLA -17.68 RAL 177.60 RAD 6567.7 VEL 11.783 PTH 2.08 VHP 5.765 DPA 5.12 RAP 148.79 ECC 1.2871
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 23 36 1597.38 -1.38 5.34 36.43 118.29 10 50 13 997.4 2.42 358.71
 90.00 17 32 12 5411.22 28.06 248.39 42.86 86.00 19 2 24 4811.2 27.21 239.82
 100.00 11 34 36 1368.29 -2.57 347.83 35.77 119.79 11 57 24 768.3 1.41 341.31
 100.00 19 3 54 5115.55 29.42 226.51 42.73 84.45 20 29 9 4515.6 28.34 217.87
 110.00 12 20 9 1225.55 -5.59 335.13 33.89 123.78 12 40 35 625.6 -1.12 328.90
 110.00 20 34 49 4831.05 32.94 204.35 42.18 80.32 21 55 20 4231.1 31.26 195.53

DIFFERENTIAL CORRECTIONS

TOE-2.4142 TRA 3.1208 TC3-3.4658 BAU .8115
 RDE -.0580 RRA .3604 RC3 -.3053 FAU .04258
 FDE-2.4082 FRA 3.1265 FC3-2.1127 BSP 20094
 BDE 2.4149 BRA 3.1416 BC3 3.4793 FSP -1731

MID-COURSE EXECUTION ACCURACY

SGT 6288.1 SGR 583.6 SG3 505.9
 RRT .7647 RRF .7383 RTF .9852
 SGB 6315.1 R23 -.0277 R13 .9851
 SGI 6303.9 SG2 375.1 THA 4.07

ORBIT DETERMINATION ACCURACY

ST 3576.6 SR 175.0 SS 1777.7
 CRT -.0845 CRS .0834 CST-1.0000
 LSA 3994.0 MSA 174.4 SSA 15.1
 EL1 3576.6 EL2 174.4 ALF 179.76

LAUNCH DATE MAY 11 1967 FLIGHT TIME 206.00 ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC
 RL 151.09 LAL -1.00 LOL 229.63 VL 26.887 GAL 7.28 AZL 92.73 HCA 258.85 SMA 128.37 ECC .21658 INC 2.7305 V1 29.490
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.892 GAP 8.33 AZP 89.47 TAL 151.45 TAP 50.30 RCA 100.57 APO 156.17 V2 35.259
 RC 129.165 GL -17.04 GP -9.75 ZAL 45.98 ZAP 156.05 ETS 338.17 ZAE 124.99 ETE 187.32 ZAC 116.35 ETC 12.07 CLP-158.02

PLANETOCENTRIC CONIC
 C3 18.799 VHL 4.336 CLA -18.08 RAL 178.73 RAC 6567.8 VEL 11.840 PTM 2.10 VHP 6.017 DPA 5.18 RAP 150.40 ECC 1.3094
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 32 6 1599.65 -1.45 5.46 38.70 118.28 10 58 46 999.7 2.34 358.84
 90.00 17 32 42 5443.82 28.19 250.76 45.50 87.18 19 3 26 4843.8 27.50 242.16
 100.00 11 42 44 1371.76 -2.69 348.02 38.01 119.78 12 5 35 771.8 1.29 341.50
 100.00 19 4 46 5146.95 29.60 228.82 45.40 85.66 20 30 33 4547.0 28.69 220.14
 110.00 12 27 33 1231.33 -5.81 335.43 36.07 123.74 12 48 4 631.3 -1.34 329.20
 110.00 20 36 26 4860.14 33.26 206.56 44.92 81.59 21 57 26 4260.1 31.74 197.67

DIFFERENTIAL CORRECTIONS
 TDE-2.5438 TRA 3.3269 TC3-3.2572 BAU .8213 SGT 6377.0 SGR 550.1 SG3 471.0 ST 3637.6 SR 184.8 SS 1726.1
 RDE .0856 RRA .3499 RC3 -.2659 FAU .03823 RRT .7185 RRF .6895 RTF .9847 CRT -.2638 CRS .2625 CST-1.0000
 FDE-2.3207 FRA 3.0503 FC3-1.7605 BSP 20438 SGB 6400.7 R23 -.0296 R13 .9846 LSA 4026.7 MSA 178.3 SSA 14.9
 BDE 2.5453 BRA 3.3453 BC3 3.2681 FSP -1617 SG1 6389.3 SG2 381.8 THA 3.56 EL1 3638.0 EL2 178.2 ALF 179.23

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 11 1967 FLIGHT TIME 208.00 ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC
 RL 151.09 LAL -1.00 LOL 229.63 VL 26.864 GAL 7.68 AZL 92.82 HCA 262.10 SMA 128.21 ECC .22165 INC 2.8196 V1 29.490
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.875 GAP 8.83 AZP 89.61 TAL 150.60 TAP 52.69 RCA 99.79 APO 156.63 V2 35.259
 RC 131.355 GL -16.90 GP -9.23 ZAL 44.86 ZAP 157.76 ETS 337.43 ZAE 124.36 ETE 186.88 ZAC 114.70 ETC 12.34 CLP-159.68

PLANETOCENTRIC CONIC
 C3 20.305 VHL 4.506 CLA -18.41 RAL 179.87 RAD 6567.8 VEL 11.903 PTM 2.11 VHP 6.282 DPA 5.14 RAP 152.06 ECC 1.3342
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 40 10 1604.71 -1.61 5.75 41.02 118.27 11 6 54 1004.7 2.18 359.12
 90.00 17 33 45 5475.30 28.27 253.06 48.19 88.33 19 5 1 4875.3 27.74 244.44
 100.00 11 50 27 1377.88 -2.90 348.36 40.31 119.76 12 13 25 777.9 1.09 341.84
 100.00 19 6 9 5177.37 29.74 231.08 48.12 86.84 20 32 26 4577.4 28.98 222.35
 110.00 12 34 37 1239.51 -6.12 335.87 38.31 123.70 12 55 17 639.5 -1.65 329.63
 110.00 20 38 28 4888.50 33.52 208.74 47.72 82.85 21 59 57 4288.5 32.17 199.77

DIFFERENTIAL CORRECTIONS
 TDE-2.6746 TRA 3.5458 TC3-3.0457 BAU .8292 SGT 6455.9 SGR 521.4 SG3 438.8 ST 3688.4 SR 198.5 SS 1675.4
 RDE .1131 RRA .3401 RC3 -.2312 FAU .03418 RRT .6681 RRF .6369 RTF .9843 CRT -.4008 CRS .3993 CST-1.0000
 FDE-2.2370 FRA 2.9823 FC3-1.4574 BSP 20743 SGB 6476.9 R23 -.0310 R13 .9842 LSA 4051.8 MSA 181.9 SSA 14.7
 BDE 2.6770 BRA 3.5620 BC3 3.0545 FSP -1510 SG1 6465.3 SG2 387.4 THA 3.10 EL1 3689.2 EL2 181.8 ALF 178.76

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 11 1967 FLIGHT TIME 210.00 ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC
 RL 151.09 LAL -1.00 LOL 229.63 VL 26.840 GAL 8.10 AZL 92.91 HCA 265.34 SMA 128.06 ECC .22712 INC 2.9072 V1 29.490
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.858 GAP 9.36 AZP 89.76 TAL 149.74 TAP 55.08 RCA 98.97 APO 157.14 V2 35.259
 RC 133.537 GL -16.70 GP -8.76 ZAL 43.75 ZAP 159.38 ETS 336.56 ZAE 123.79 ETE 186.49 ZAC 113.00 ETC 12.56 CLP-161.26

PLANETOCENTRIC CONIC
 C3 21.987 VHL 4.689 CLA -18.70 RAL 181.02 RAD 6567.9 VEL 11.974 PTM 2.13 VHP 6.560 DPA 5.02 RAP 153.76 ECC 1.3618
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 47 46 1612.48 -1.86 6.18 43.40 118.26 11 14 39 1012.5 1.93 359.55
 90.00 17 35 19 5505.79 28.31 255.29 50.94 89.45 19 7 5 4905.8 27.94 246.65
 100.00 11 57 46 1386.58 -3.19 348.84 42.66 119.74 12 20 53 786.6 .79 342.31
 100.00 19 8 0 5206.91 29.83 233.27 50.91 87.99 20 34 47 4606.9 29.23 224.51
 110.00 12 41 22 1250.00 -6.52 336.42 40.60 123.63 13 2 12 650.0 -2.05 330.18
 110.00 20 40 54 4916.26 33.73 210.88 50.59 84.10 22 2 51 4316.3 32.55 201.84

DIFFERENTIAL CORRECTIONS
 TDE-2.8074 TRA 3.7783 TC3-2.8343 BAU .8352 SGT 6526.0 SGR 496.8 SG3 409.1 ST 3729.9 SR 214.1 SS 1626.2
 RDE .1404 RRA .3306 RC3 -.2006 FAU .03045 RRT .6140 RRF .5811 RTF .9839 CRT -.5022 CRS .5006 CST-1.0000
 FDE-2.1579 FRA 2.9219 FC3-1.1991 BSP 21031 SGB 6544.9 R23 -.0319 R13 .9838 LSA 4070.4 MSA 185.2 SSA 14.5
 BDE 2.8109 BRA 3.7927 BC3 2.8414 FSP -1412 SG1 6533.2 SG2 391.7 THA 2.69 EL1 3731.4 EL2 185.1 ALF 178.34

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 11 1967 FLIGHT TIME 212.00 ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC
 RL 151.09 LAL -1.00 LOL 229.63 VL 26.816 GAL 8.56 AZL 92.99 HCA 268.59 SMA 127.90 ECC .23302 INC 2.9940 V1 29.490
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.840 GAP 9.90 AZP 89.93 TAL 148.87 TAP 57.46 RCA 98.10 APO 157.70 V2 35.257
 RC 135.709 GL -16.47 GP -8.34 ZAL 42.64 ZAP 160.93 ETS 335.54 ZAE 123.25 ETE 186.15 ZAC 111.25 ETC 12.74 CLP-162.79

PLANETOCENTRIC CONIC
 C3 23.869 VHL 4.886 CLA -18.94 RAL 182.18 RAD 6568.0 VEL 12.052 PTM 2.15 VHP 6.853 DPA 4.82 RAP 155.51 ECC 1.3928
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 54 56 1622.86 -2.20 6.76 45.82 118.24 11 21 59 1022.9 1.60 .13
 90.00 17 37 21 5535.38 28.31 257.46 53.74 90.53 19 9 37 4935.4 28.09 248.80
 100.00 12 4 41 1397.78 -3.57 349.45 45.06 119.70 12 27 59 797.8 .41 342.93
 100.00 19 10 18 5235.69 29.88 235.41 53.74 89.11 20 37 33 4635.7 29.44 226.63
 110.00 12 47 47 1262.73 -7.00 337.09 42.94 123.54 13 8 50 662.7 -2.54 330.84
 110.00 20 43 41 4943.51 33.90 212.98 53.51 85.34 22 6 4 4343.5 32.89 203.90

DIFFERENTIAL CORRECTIONS
 TDE-2.9419 TRA 4.0261 TC3-2.6229 BAU .8388 SGT 6587.2 SGR 475.5 SG3 381.9 ST 3761.9 SR 230.4 SS 1578.3
 RDE .1679 RRA .3212 RC3 -.1734 FAU .02696 RRT .5565 RRF .5224 RTF .9835 CRT -.5770 CRS .5753 CST-1.0000
 FDE-2.0826 FRA 2.8692 FC3 -.9779 BSP 21279 SGB 6604.3 R23 -.0324 R13 .9835 LSA 4081.8 MSA 188.1 SSA 14.2
 BDE 2.9467 BRA 4.0389 BC3 2.6286 FSP -1321 SG1 6592.5 SG2 394.7 THA 2.31 EL1 3764.3 EL2 188.0 ALF 177.97

MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 11 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 592.305

RL 151.09 LAL -1.00 LOL 229.63 VL 26.792 GAL 9.04 AZL 93.08 MCA 271.84 SMA 127.74 ECC .2393H INC 3.0806 V1 29.490
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.821 GAP 10.47 AZP 90.10 TAL 148.00 TAP 59.83 RCA 97.16 APO 158.32 V2 35.255
 RC 137.871 GL -16.20 GP -7.96 ZAL 41.54 ZAP 162.41 ETS 334.35 ZAE 122.75 ETE 185.85 ZAC 109.46 ETC 12.88 CLP-164.27

PLANETOCENTRIC CONIC

C3 25.980 VML 5.097 CLA -19.14 RAL 183.32 RAD 6568.1 VEL 12.139 PTM 2.18 VMP 7.163 DPA 4.55 RAP 157.29 ECC 1.4276
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 1 38 1635.80 -2.61 7.48 48.27 118.21 11 28 54 1035.8 1.18 .85
 90.00 17 39 49 5564.18 28.28 259.56 56.59 91.59 19 12 33 4964.2 28.20 250.90
 100.00 12 11 10 1411.40 -4.03 350.20 47.49 119.64 12 34 42 811.4 -.05 343.67
 100.00 19 12 58 5263.80 29.89 237.50 56.61 90.21 20 40 42 4663.8 29.60 228.70
 110.00 12 53 52 1277.63 -7.56 337.88 45.31 123.44 13 15 10 677.6 -3.11 331.62
 110.00 20 46 46 4970.34 34.03 215.07 56.48 86.57 22 9 36 4370.3 33.18 205.93

DIFFERENTIAL CORRECTIONS

TDE-3.0765 TRA 4.2930 TC3-2.4087 BAU .8382
 RDE .1957 RRA .3116 RC3 -.1490 FAU .02358
 FDE-2.0095 FRA 2.8257 FC3 -.7859 BSP 21424
 BDE 3.0827 BRA 4.3043 BC3 2.4133 FSP -1230

MID-COURSE EXECUTION ACCURACY

SGT 6639.3 SGR 457.1 SG3 356.7
 RRT .4963 RRF .4617 RTF .9832
 SGB 6655.0 R23 -.0322 R13 .9831
 SGI 6643.2 SG2 396.6 THA 1.96

ORBIT DETERMINATION ACCURACY

ST 3783.3 SR 246.5 SS 1531.0
 CRT -.6325 CRS .6305 CST -.9999
 LSA 4084.3 MSA 190.9 SSA 14.0
 ELI 3786.5 EL2 190.8 ALF 177.63

LAUNCH DATE MAY 11 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 597.907

RL 151.09 LAL -1.00 LOL 229.63 VL 26.768 GAL 9.57 AZL 93.17 MCA 275.08 SMA 127.58 ECC .24627 INC 3.1675 V1 29.490
 RP 107.50 LAP 3.16 LOP 144.72 VP 37.801 GAP 11.06 AZP 90.28 TAL 147.12 TAP 62.21 RCA 96.16 APO 159.00 V2 35.253
 RC 140.023 GL -15.90 GP -7.62 ZAL 40.45 ZAP 163.83 ETS 332.95 ZAE 122.28 ETE 185.57 ZAC 107.63 ETC 13.00 CLP-165.70

PLANETOCENTRIC CONIC

C3 28.356 VML 5.325 CLA -19.29 RAL 184.46 RAD 6568.1 VEL 12.236 PTM 2.20 VMP 7.490 DPA 4.21 RAP 159.09 ECC 1.4667
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 7 53 1651.23 -3.11 8.34 50.76 118.16 11 35 24 1051.2 .68 1.71
 90.00 17 42 40 5592.24 28.21 261.61 59.47 92.62 19 15 52 4992.2 28.27 252.95
 100.00 12 17 14 1427.38 -4.56 351.09 49.96 119.57 12 41 2 827.4 -.59 344.55
 100.00 19 15 59 5291.32 29.87 239.54 59.53 91.29 20 44 11 4691.3 29.73 230.74
 110.00 12 59 36 1294.63 -8.19 338.79 47.73 123.30 13 21 11 694.6 -3.76 332.51
 110.00 20 50 7 4996.83 34.12 217.13 59.49 87.78 22 13 24 4396.8 33.44 207.96

DIFFERENTIAL CORRECTIONS

TDE-3.2188 TRA 4.5728 TC3-2.2050 BAU .8373
 RDE .2235 RRA .3013 RC3 -.1276 FAU .02059
 FDE-1.9445 FRA 2.7854 FC3 -.6286 BSP 21648
 BDE 3.2266 BRA 4.5827 BC3 2.2087 FSP -1154

MID-COURSE EXECUTION ACCURACY

SGT 6684.7 SGR 440.7 SG3 333.6
 RRT .4333 RRF .3986 RTF .9830
 SGB 6699.2 R23 -.0320 R13 .9829
 SGI 6687.4 SG2 397.1 THA 1.64

ORBIT DETERMINATION ACCURACY

ST 3800.8 SR 261.7 SS 1487.8
 CRT -.6752 CRS .6731 CST -.9999
 LSA 4085.4 MSA 192.9 SSA 13.7
 ELI 3804.9 EL2 192.8 ALF 177.33

LAUNCH DATE MAY 11 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 603.432

RL 151.09 LAL -1.00 LOL 229.63 VL 26.743 GAL 10.13 AZL 93.26 MCA 278.33 SMA 127.42 ECC .25372 INC 3.2552 V1 29.490
 RP 107.51 LAP 3.22 LOP 147.97 VP 37.781 GAP 11.68 AZP 90.47 TAL 146.26 TAP 64.59 RCA 95.09 APO 159.74 V2 35.249
 RC 142.165 GL -15.57 GP -7.31 ZAL 39.38 ZAP 165.20 ETS 331.28 ZAE 121.83 ETE 185.32 ZAC 105.77 ETC 13.11 CLP-167.09

PLANETOCENTRIC CONIC

C3 31.036 VML 5.571 CLA -19.41 RAL 185.59 RAD 6568.2 VEL 12.345 PTM 2.23 VMP 7.837 DPA 3.82 RAP 160.92 ECC 1.5108
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 13 38 1669.07 -3.68 9.34 53.28 118.10 11 41 28 1069.1 .10 2.71
 90.00 17 45 53 5619.63 28.10 263.61 62.38 93.61 19 19 32 5019.6 28.31 254.95
 100.00 12 22 53 1445.65 -5.18 352.10 52.46 119.48 12 46 59 845.6 -1.21 345.55
 100.00 19 19 20 5318.29 29.81 241.54 62.48 92.34 20 47 58 4718.3 29.82 232.74
 110.00 13 5 0 1313.68 -8.90 339.81 50.18 123.14 13 26 53 713.7 -4.48 333.51
 110.00 20 53 42 5023.02 34.17 219.18 62.54 88.99 22 17 25 4423.0 33.65 209.97

DIFFERENTIAL CORRECTIONS

TDE-3.3653 TRA 4.8719 TC3-2.0050 BAU .8331
 RDE .2517 RRA .2901 RC3 -.1086 FAU .01777
 FDE-1.8841 FRA 2.7519 FC3 -.4956 BSP 21834
 BDE 3.3747 BRA 4.8806 BC3 2.0080 FSP -1082

MID-COURSE EXECUTION ACCURACY

SGT 6722.6 SGR 426.3 SG3 312.3
 RRT .3681 RRF .3339 RTF .9829
 SGB 6736.1 R23 -.0314 R13 .9828
 SGI 6724.5 SG2 396.3 THA 1.34

ORBIT DETERMINATION ACCURACY

ST 3811.0 SR 275.8 SS 1446.8
 CRT -.7085 CRS .7063 CST -.9999
 LSA 4081.1 MSA 194.5 SSA 13.5
 ELI 3816.1 EL2 194.4 ALF 177.06

LAUNCH DATE MAY 11 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 608.869

RL 151.09 LAL -1.00 LOL 229.63 VL 26.718 GAL 10.73 AZL 93.34 MCA 281.57 SMA 127.25 ECC .26180 INC 3.3444 V1 29.490
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.759 GAP 12.33 AZP 90.67 TAL 145.40 TAP 66.97 RCA 93.94 APO 160.57 V2 35.245
 RC 144.295 GL -15.21 GP -7.03 ZAL 38.34 ZAP 166.51 ETS 329.29 ZAE 121.40 ETE 185.10 ZAC 103.89 ETC 13.19 CLP-168.46

PLANETOCENTRIC CONIC

C3 34.069 VML 5.837 CLA -19.49 RAL 186.69 RAD 6568.3 VEL 12.468 PTM 2.26 VMP 8.206 DPA 3.39 RAP 162.76 ECC 1.5607
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 18 57 1689.27 -4.33 10.47 55.83 118.01 11 47 6 1089.3 -.55 3.83
 90.00 17 49 24 5646.41 27.97 265.56 65.33 94.58 19 23 31 5046.4 28.32 256.91
 100.00 12 28 5 1466.13 -5.86 353.23 54.99 119.36 12 52 31 866.1 -1.91 346.68
 100.00 19 22 57 5344.77 29.72 243.51 65.47 93.37 20 52 1 4744.8 29.87 234.71
 110.00 13 10 2 1334.71 -9.68 340.93 52.65 122.94 13 32 16 734.7 -5.28 334.62
 110.00 20 57 30 5048.96 34.18 221.20 65.63 90.19 22 21 39 4449.0 33.83 211.98

DIFFERENTIAL CORRECTIONS

TDE-3.5171 TRA 5.1917 TC3-1.8107 BAU .8258
 RDE .2804 RRA .2779 RC3 -.0918 FAU .01512
 FDE-1.8282 FRA 2.7248 FC3 -.3842 BSP 21996
 BDE 3.5282 BRA 5.1991 BC3 1.8131 FSP -1015

MID-COURSE EXECUTION ACCURACY

SGT 6753.7 SGR 413.5 SG3 292.6
 RRT .3010 RRF .2678 RTF .9828
 SGB 6766.3 R23 -.0304 R13 .9828
 SGI 6754.8 SG2 394.2 THA 1.06

ORBIT DETERMINATION ACCURACY

ST 3814.9 SR 288.6 SS 1408.4
 CRT -.7350 CRS .7327 CST -.9999
 LSA 4072.1 MSA 195.6 SSA 13.2
 ELI 3820.8 EL2 195.4 ALF 176.81

LAUNCH DATE MAY 12 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 21 1967

HELIOCENTRIC CONIC
 RL 151.12 LAL -.00 LOL 230.60 VL 16.992 GAL 19.29 AZL 91.42 HCA 42.14 SMA 90.43 ECC .71450 INC 1.4246 V1 29.483
 RP 108.79 LAP -.96 LOP 272.73 VP 31.181 GAP -44.40 AZP 91.06 TAL 171.75 TAP 213.89 RCA 25.82 APO 155.04 V2 34.835
 RC 70.227 GL -1.58 GP 1.94 ZAL 68.79 ZAP 29.84 ETS 185.74 ZAE 143.79 ETE 171.46 ZAC 139.81 ETC 27.26 CLP 29.79

PLANETOCENTRIC CONIC
 C3 208.252 VHL 14.431 CLA 5.67 RAL 162.63 RAD 6571.2 VEL 18.154 PTH 3.02 VHP 25.320 DPA 23.89 RAP 125.77 ECC 4.4273
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 12 53 2915.86 -28.28 90.29 65.04 88.57 7 1 29 2315.9 -28.18 81.63
 90.00 19 35 34 5206.94 26.22 233.74 59.28 78.89 21 2 21 4606.9 24.42 225.53
 100.00 7 36 54 2644.85 -29.87 70.41 65.08 88.81 8 20 59 2044.9 -29.72 61.60
 100.00 20 54 14 4953.18 27.77 214.73 58.93 78.47 22 16 47 4353.2 25.90 206.43
 110.00 8 51 17 2412.06 -34.18 52.81 65.15 89.48 9 31 30 1812.1 -33.87 43.58
 110.00 21 56 21 4758.74 31.98 198.93 57.88 77.24 23 15 39 4158.7 29.90 190.34

DIFFERENTIAL CORRECTIONS
 TDE .6997 TRA-1.7373 TC3 -.1080 BAU .3031
 RDE-1.0131 RRA -.5303 RC3 .0135 FAU .01305
 FDE -.3211 FRA .6351 FC3 -.0543 BSP 2056
 BDE 1.2313 BRA 1.8165 BC3 .1089 FSP -58

MID-COURSE EXECUTION ACCURACY
 SGT 809.2 SGR 456.2 SG3 28.0
 RRT .0618 RRF -.0569 RTF -.6188
 SGB 929.0 R23 -.0010 R13 -.6190
 SG1 810.0 SG2 454.9 THA 2.91

ORBIT DETERMINATION ACCURACY
 ST 347.1 SR 407.2 SS 324.9
 CRT -.6972 CRS -.7681 CST .9928
 LSA 583.2 MSA 227.2 SSA 13.9
 EL1 494.3 EL2 205.0 ALF 128.53

LAUNCH DATE MAY 12 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 23 1967

HELIOCENTRIC CONIC
 RL 151.12 LAL -.00 LOL 230.60 VL 17.713 GAL 18.49 AZL 91.60 HCA 45.30 SMA 91.99 ECC .68716 INC 1.5958 V1 29.483
 RP 108.81 LAP -1.13 LOP 275.89 VP 31.571 GAP -42.36 AZP 91.12 TAL 171.00 TAP 216.31 RCA 28.78 APO 155.21 V2 34.827
 RC 68.060 GL -1.95 GP 1.99 ZAL 67.62 ZAP 28.33 ETS 185.99 ZAE 144.27 ETE 170.57 ZAC 138.29 ETC 26.40 CLP 28.27

PLANETOCENTRIC CONIC
 C3 188.559 VHL 13.732 CLA 4.88 RAL 163.57 RAD 6571.0 VEL 17.603 PTH 2.98 VHP 24.322 DPA 23.62 RAP 127.55 ECC 4.1032
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 22 37 2875.70 -28.32 87.36 64.37 90.04 7 10 33 2275.7 -28.01 78.71
 90.00 19 33 23 5216.21 26.34 234.39 59.42 79.20 21 0 19 4616.2 24.58 226.16
 100.00 7 46 15 2605.92 -29.89 67.51 64.36 90.33 8 29 41 2005.9 -29.52 58.73
 100.00 20 52 26 4961.22 27.88 215.30 59.08 78.76 22 15 7 4361.2 26.05 206.98
 110.00 8 59 46 2375.86 -34.17 49.98 64.30 91.15 9 39 22 1775.9 -33.63 40.78
 110.00 21 55 25 4764.04 32.06 199.32 58.06 77.46 23 14 49 4164.0 30.01 190.71

DIFFERENTIAL CORRECTIONS
 TDE .7039 TRA-1.7401 TC3 -.1140 BAU .2901
 RDE -.9719 RRA -.5165 RC3 .0158 FAU .01323
 FDE -.3371 FRA .6571 FC3 -.0607 BSP 2225
 BDE 1.2000 BRA 1.8151 BC3 .1151 FSP -64

MID-COURSE EXECUTION ACCURACY
 SGT 845.7 SGR 461.6 SG3 30.3
 RRT .0639 RRF -.0598 RTF -.6385
 SGB 963.5 R23 -.0019 R13 -.6388
 SG1 846.5 SG2 460.3 THA 2.84

ORBIT DETERMINATION ACCURACY
 ST 366.2 SR 410.7 SS 342.9
 CRT -.6976 CRS -.7711 CST .9925
 LSA 605.0 MSA 232.6 SSA 14.1
 EL1 507.7 EL2 212.3 ALF 130.33

LAUNCH DATE MAY 12 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 25 1967

HELIOCENTRIC CONIC
 RL 151.12 LAL -.00 LOL 230.60 VL 18.386 GAL 17.73 AZL 91.75 HCA 48.47 SMA 93.57 ECC .66026 INC 1.7491 V1 29.483
 RP 108.83 LAP -1.31 LOP 279.06 VP 31.946 GAP -40.43 AZP 91.16 TAL 170.26 TAP 218.73 RCA 31.79 APO 155.35 V2 34.820
 RC 65.936 GL -2.34 GP 2.05 ZAL 66.52 ZAP 26.85 ETS 186.27 ZAE 144.86 ETE 169.58 ZAC 136.73 ETC 25.59 CLP 26.77

PLANETOCENTRIC CONIC
 C3 170.815 VHL 13.070 CLA 4.09 RAL 164.45 RAD 6570.8 VEL 17.092 PTH 2.93 VHP 23.360 DPA 23.33 RAP 129.34 ECC 3.8112
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 32 3 2834.80 -28.28 84.37 63.57 91.54 7 19 18 2234.8 -27.77 75.74
 90.00 19 30 58 5224.62 26.44 234.98 59.44 79.48 20 58 2 4624.6 24.72 226.74
 100.00 7 55 19 2566.25 -29.84 64.56 63.52 91.88 8 38 5 1966.2 -29.26 55.81
 100.00 20 50 23 4968.40 27.97 215.82 59.11 79.01 22 13 12 4368.4 26.17 207.48
 110.00 9 7 57 2338.89 -34.08 47.10 63.31 92.86 9 46 56 1738.9 -33.31 37.94
 110.00 21 54 14 4768.53 32.13 199.66 58.12 77.65 23 13 43 4168.5 30.10 191.03

DIFFERENTIAL CORRECTIONS
 TDE .7054 TRA-1.7450 TC3 -.1203 BAU .2780
 RDE -.9312 RRA -.5020 RC3 .0184 FAU .01341
 FDE -.3531 FRA .6797 FC3 -.0679 BSP 2339
 BDE 1.1682 BRA 1.8158 BC3 .1217 FSP -70

MID-COURSE EXECUTION ACCURACY
 SGT 884.7 SGR 466.5 SG3 32.9
 RRT .0676 RRF -.0633 RTF -.6569
 SGB 1000.2 R23 -.0020 R13 -.6572
 SG1 885.5 SG2 465.0 THA 2.82

ORBIT DETERMINATION ACCURACY
 ST 385.6 SR 413.6 SS 361.2
 CRT -.6963 CRS -.7737 CST .9919
 LSA 627.1 MSA 238.0 SSA 14.4
 EL1 521.0 EL2 219.7 ALF 132.12

LAUNCH DATE MAY 12 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 27 1967

HELIOCENTRIC CONIC
 RL 151.12 LAL -.00 LOL 230.60 VL 19.016 GAL 16.99 AZL 91.89 HCA 51.64 SMA 95.15 ECC .63390 INC 1.8880 V1 29.483
 RP 108.85 LAP -1.48 LOP 282.22 VP 32.306 GAP -38.60 AZP 91.17 TAL 169.54 TAP 221.18 RCA 34.84 APO 155.47 V2 34.813
 RC 63.861 GL -2.76 GP 2.12 ZAL 65.47 ZAP 25.38 ETS 186.61 ZAE 145.55 ETE 168.49 ZAC 135.15 ETC 24.84 CLP 25.29

PLANETOCENTRIC CONIC
 C3 154.807 VHL 12.442 CLA 3.30 RAL 165.26 RAD 6570.7 VEL 16.617 PTH 2.89 VHP 22.433 DPA 23.02 RAP 131.15 ECC 3.5477
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 41 13 2793.15 -28.16 81.32 62.65 93.06 7 27 46 2193.1 -27.44 72.73
 90.00 19 28 18 5232.19 26.53 235.52 59.34 79.73 20 55 30 4632.2 24.85 227.26
 100.00 8 4 5 2525.80 -29.71 61.56 62.55 93.46 8 46 11 1925.8 -28.91 52.85
 100.00 20 48 6 4974.77 28.06 216.27 59.02 79.24 22 11 1 4374.8 26.28 207.92
 110.00 9 15 53 2301.12 -33.91 44.16 62.21 94.59 9 54 14 1701.1 -32.90 35.07
 110.00 21 52 48 4772.21 32.18 199.93 58.05 77.80 23 12 21 4172.2 30.17 191.30

DIFFERENTIAL CORRECTIONS
 TDE .7088 TRA-1.7475 TC3 -.1260 BAU .2645
 RDE -.8908 RRA -.4870 RC3 .0213 FAU .01362
 FDE -.3700 FRA .7023 FC3 -.0762 BSP 2508
 BDE 1.1384 BRA 1.8141 BC3 .1278 FSP -78

MID-COURSE EXECUTION ACCURACY
 SGT 924.4 SGR 470.7 SG3 35.6
 RRT .0702 RRF -.0667 RTF -.6753
 SGB 1037.4 R23 -.0029 R13 -.6755
 SG1 925.2 SG2 469.1 THA 2.76

ORBIT DETERMINATION ACCURACY
 ST 406.3 SR 415.7 SS 380.3
 CRT -.6963 CRS -.7764 CST .9915
 LSA 650.8 MSA 242.6 SSA 14.6
 EL1 535.4 EL2 226.5 ALF 134.06

LAUNCH DATE MAY 12 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 29 1967

HELIOCENTRIC CONIC

DISTANCE 158.164

RL 151.12 LAL -.00 LOL 230.60 VL 19.606 GAL 16.27 AZL 92.02 MCA 54.80 SMA 96.73 ECC -.60817 INC 2.0152 VI 29.483
 RP 108.87 LAP -1.65 LOP 285.38 VP 32.650 GAP -36.86 AZP 91.16 TAL 168.84 TAP 223.64 RCA 37.90 APO 155.56 V2 34.807
 RC 61.839 GL -3.20 GP 2.19 ZAL 64.49 ZAP 23.93 ETS 187.00 ZAE 146.34 ETE 167.28 ZAC 133.55 ETC 24.12 CLP 23.83

PLANETOCENTRIC CONIC

C3 140.357 VML 11.847 OLA 2.51 RAL 166.01 RAD 6570.5 VEL 16.177 PTH 2.84 VMP 21.538 DPA 22.69 RAP 132.96 ECC 3.3099
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 50 6 2750.69 -27.97 78.23 61.61 94.60 7 35 57 2150.7 -27.04 69.69
 90.00 19 25 23 5239.00 26.62 236.00 59.12 79.96 20 52 42 4639.0 24.96 227.73
 100.00 8 12 37 2484.54 -29.50 58.51 61.47 95.05 8 54 1 1884.5 -28.49 49.86
 100.00 20 45 33 4980.38 28.13 216.67 58.81 79.44 22 8 34 4380.4 26.38 208.31
 110.00 9 23 32 2262.54 -33.66 41.17 60.98 96.34 10 1 15 1662.5 -32.42 32.16
 110.00 21 51 7 4775.15 32.23 200.15 57.86 77.93 23 10 42 4175.2 30.23 191.50

DIFFERENTIAL CORRECTIONS

TDE .7098 TRA-1.7516 TC3 -.1319 BAU .2518
 RDE -.8510 RRA -.4716 RC3 .0247 FAU .01384
 FDE -.3872 FRA .7254 FC3 -.0854 BSP 2626
 BDE 1.1082 BRA 1.8140 BC3 .1342 FSP -85

MID-COURSE EXECUTION ACCURACY

SGT 966.7 SGR 474.3 SG3 38.6
 RRT .0743 RRF -.0706 RTF -.6924
 SGB 1076.8 R23 -.0030 R13 -.6926
 SG1 967.5 SG2 472.5 TMA 2.74

ORBIT DETERMINATION ACCURACY

ST 427.4 SR 417.2 SS 400.8
 CRT -.6947 CRS -.7788 CST .9909
 LSA 674.8 MSA 247.2 SSA 14.8
 EL1 549.8 EL2 233.3 ALF 135.99

LAUNCH DATE MAY 12 1967

FLIGHT TIME 80.00

ARRIVAL DATE JUL 31 1967

HELIOCENTRIC CONIC

DISTANCE 164.295

RL 151.12 LAL -.00 LOL 230.60 VL 20.157 GAL 15.58 AZL 92.13 MCA 57.96 SMA 98.30 ECC .58313 INC 2.1329 VI 29.483
 RP 108.89 LAP -1.81 LOP 288.55 VP 32.978 GAP -35.20 AZP 91.13 TAL 168.16 TAP 226.12 RCA 40.98 APO 155.62 V2 34.802
 RC 59.876 GL -3.67 GP 2.27 ZAL 63.57 ZAP 22.49 ETS 187.47 ZAE 147.24 ETE 165.92 ZAC 131.93 ETC 23.45 CLP 22.38

PLANETOCENTRIC CONIC

C3 127.301 VML 11.283 OLA 1.72 RAL 166.69 RAD 6570.4 VEL 15.768 PTH 2.80 VMP 20.674 DPA 22.35 RAP 134.79 ECC 3.0950
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 58 44 2707.41 -27.70 75.10 60.46 96.15 7 43 51 2107.4 -26.55 66.62
 90.00 19 22 11 5245.11 26.69 236.43 58.77 80.16 20 49 36 4645.1 25.06 228.15
 100.00 8 20 52 2442.46 -29.21 55.42 60.27 96.65 9 1 35 1842.5 -27.98 46.83
 100.00 20 42 44 4985.29 28.19 217.03 58.47 79.61 22 5 49 4385.3 26.46 208.65
 110.00 9 30 57 2223.12 -33.32 38.15 59.64 98.10 10 8 0 1623.1 -31.85 29.23
 110.00 21 49 9 4777.40 32.26 200.32 57.54 78.02 23 8 46 4177.4 30.27 191.66

DIFFERENTIAL CORRECTIONS

TDE .7128 TRA-1.7526 TC3 -.1368 BAU .2378
 RDE -.8116 RRA -.4558 RC3 .0284 FAU .01411
 FDE -.4053 FRA .7486 FC3 -.0959 BSP 2803
 BDE 1.0802 BRA 1.8110 BC3 .1397 FSP -94

MID-COURSE EXECUTION ACCURACY

SGT 1009.5 SGR 477.1 SG3 41.8
 RRT .0773 RRF -.0743 RTF -.7094
 SGB 1116.6 R23 -.0039 R13 -.7097
 SG1 1010.4 SG2 475.3 TMA 2.69

ORBIT DETERMINATION ACCURACY

ST 450.0 SR 418.0 SS 420.5
 CRT -.6947 CRS -.7814 CST .9905
 LSA 700.6 MSA 250.9 SSA 15.0
 EL1 565.7 EL2 239.2 ALF 138.03

LAUNCH DATE MAY 12 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 2 1967

HELIOCENTRIC CONIC

DISTANCE 170.498

RL 151.12 LAL -.00 LOL 230.60 VL 20.673 GAL 14.91 AZL 92.24 MCA 61.13 SMA 99.86 ECC .55883 INC 2.2426 VI 29.483
 RP 108.90 LAP -1.96 LOP 291.71 VP 33.291 GAP -33.62 AZP 91.08 TAL 167.50 TAP 228.62 RCA 44.05 APO 155.66 V2 34.797
 RC 57.979 GL -4.17 GP 2.36 ZAL 62.71 ZAP 21.08 ETS 188.02 ZAE 148.25 ETE 164.38 ZAC 130.29 ETC 22.82 CLP 20.95

PLANETOCENTRIC CONIC

C3 115.501 VML 10.747 OLA .92 RAL 167.31 RAD 6570.2 VEL 15.390 PTH 2.75 VMP 19.840 DPA 22.00 RAP 136.62 ECC 2.9008
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 7 7 2663.29 -27.33 71.92 59.20 97.70 7 51 30 2063.3 -25.98 63.51
 90.00 19 18 42 5250.61 26.75 236.82 58.31 80.35 20 46 13 4650.6 25.14 228.52
 100.00 8 28 53 2399.54 -28.83 52.29 58.96 98.26 9 8 52 1799.5 -27.39 43.78
 100.00 20 39 37 4989.59 28.24 217.34 58.02 79.77 22 2 47 4389.6 26.54 208.95
 110.00 9 38 6 2182.87 -32.90 35.08 58.21 99.87 10 14 29 1582.9 -31.19 26.28
 110.00 21 46 53 4779.02 32.28 200.44 57.10 78.09 23 6 32 4179.0 30.30 191.78

DIFFERENTIAL CORRECTIONS

TDE .7159 TRA-1.7527 TC3 -.1410 BAU .2234
 RDE -.7728 RRA -.4398 RC3 .0327 FAU .01440
 FDE -.4242 FRA .7722 FC3 -.1079 BSP 2988
 BDE 1.0534 BRA 1.8070 BC3 .1447 FSP -103

MID-COURSE EXECUTION ACCURACY

SGT 1053.9 SGR 479.2 SG3 45.3
 RRT .0804 RRF -.0783 RTF -.7258
 SGB 1157.8 R23 -.0049 R13 -.7261
 SG1 1054.8 SG2 477.3 TMA 2.63

ORBIT DETERMINATION ACCURACY

ST 473.6 SR 418.0 SS 441.9
 CRT -.6947 CRS -.7840 CST .9900
 LSA 727.7 MSA 254.0 SSA 15.1
 EL1 582.5 EL2 244.5 ALF 140.11

LAUNCH DATE MAY 12 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 4 1967

HELIOCENTRIC CONIC

DISTANCE 176.767

RL 151.12 LAL -.00 LOL 230.60 VL 21.155 GAL 14.26 AZL 92.35 MCA 64.29 SMA 101.40 ECC .53531 INC 2.3458 VI 29.483
 RP 108.92 LAP -2.11 LOP 294.87 VP 33.589 GAP -32.11 AZP 91.02 TAL 166.86 TAP 231.15 RCA 47.12 APO 155.68 V2 34.793
 RC 56.154 GL -4.70 GP 2.45 ZAL 61.92 ZAP 19.67 ETS 188.68 ZAE 149.36 ETE 162.64 ZAC 128.63 ETC 22.23 CLP 19.53

PLANETOCENTRIC CONIC

C3 104.832 VML 10.239 OLA .11 RAL 167.85 RAD 6570.0 VEL 15.039 PTH 2.71 VMP 19.034 DPA 21.63 RAP 138.45 ECC 2.7253
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 15 15 2618.31 -26.88 68.70 57.84 99.25 7 58 54 2018.3 -25.33 60.38
 90.00 19 14 54 5255.59 26.81 237.18 57.73 80.52 20 42 30 4655.6 25.22 228.87
 100.00 8 36 39 2355.76 -28.36 49.12 57.56 99.86 9 15 55 1755.8 -26.71 40.71
 100.00 20 36 12 4993.37 28.29 217.61 57.45 79.90 21 59 25 4393.4 26.60 209.21
 110.00 9 45 1 2141.78 -32.37 31.99 56.67 101.63 10 20 42 1541.8 -30.43 23.31
 110.00 21 44 20 4780.11 32.30 200.52 56.55 78.13 23 4 0 4180.1 30.32 191.86

DIFFERENTIAL CORRECTIONS

TDE .7187 TRA-1.7517 TC3 -.1444 BAU .2091
 RDE -.7346 RRA -.4236 RC3 .0374 FAU .01472
 FDE -.4440 FRA .7963 FC3 -.1216 BSP .3170
 BDE 1.0277 BRA 1.8022 BC3 .1492 FSP -114

MID-COURSE EXECUTION ACCURACY

SGT 1100.0 SGR 480.6 SG3 49.0
 RRT .0839 RRF -.0826 RTF -.7415
 SGB 1200.5 R23 -.0059 R13 -.7418
 SG1 1100.9 SG2 478.6 TMA 2.59

ORBIT DETERMINATION ACCURACY

ST 498.3 SR 417.2 SS 464.2
 CRT -.6948 CRS -.7866 CST .9895
 LSA 756.1 MSA 256.5 SSA 15.3
 EL1 600.2 EL2 249.1 ALF 142.21

LAUNCH DATE MAY 12 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 6 1967

HELIOCENTRIC CONIC
 RL 151.12 LAL -.00 LOL 230.60 VL 21.607 GAL 13.63 AZL 92.44 HCA 67.45 SMA 102.92 ECC .51261 INC 2.4437 V1 29.483
 RP 108.93 LAP -2.26 LOP 298.03 VP 33.872 GAP -30.67 AZP 90.94 TAL 166.26 TAP 233.71 RCA 50.16 APO 155.67 V2 34.790
 RC 54.407 GL -5.27 GP 2.55 ZAL 61.19 ZAP 18.28 ETS 189.47 ZAE 150.58 ETE 160.64 ZAC 126.95 ETC 21.67 CLP 18.11

PLANETOCENTRIC CONIC
 C3 95.187 VHL 9.756 DLA -.71 RAL 168.33 RAD 6569.9 VEL 14.715 PTH 2.66 VHP 18.254 CPA 21.25 RAP 140.28 ECC 2.5665
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 23 11 2572.46 -26.34 65.46 56.39 100.79 8 6 3 1972.5 -24.58 57.23
 90.00 19 10 46 5260.17 26.86 237.50 57.04 80.67 20 38 27 4660.2 25.29 229.18
 100.00 8 41 12 2311.13 -27.80 45.92 56.06 101.46 9 22 43 1711.1 -25.94 37.61
 100.00 20 32 27 4996.73 28.33 217.85 56.76 80.02 21 55 43 4396.7 26.66 209.45
 110.00 9 51 41 2099.86 -31.76 28.88 55.06 103.37 10 26 41 1499.9 -29.59 20.34
 110.00 21 41 26 4780.76 32.30 200.57 55.87 78.16 23 1 7 4180.8 30.34 191.90

DIFFERENTIAL CORRECTIONS
 TDE .7191 TRA-1.7519 TC3 -.1479 BAU .1959 SGT 1149.0 SGR 481.3 SG3 53.2 ST 523.2 SR 415.6 SS 487.2
 RDE -.6970 RRA -.4073 RC3 .0427 FAU .01507 RRT .0890 RRF -.0877 RTF -.7558 CRT -.6933 CRS -.7889 CST .9888
 FDE -.4646 FRA .8211 FC3 -.1370 BSP 3301 SGB 1245.8 R23 -.0063 R13 -.7560 LSA 785.2 MSA 258.9 SSA 15.5
 BDE 1.0015 BRA 1.7986 BC3 .1539 FSP -125 SG1 1150.0 SG2 479.0 THA 2.58 EL1 618.2 EL2 253.4 ALF 144.26

LAUNCH DATE MAY 12 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 8 1967

HELIOCENTRIC CONIC
 RL 151.12 LAL -.00 LOL 230.60 VL 22.029 GAL 13.03 AZL 92.54 HCA 70.61 SMA 104.41 ECC .49074 INC 2.5371 V1 29.483
 RP 108.93 LAP -2.39 LOP 301.19 VP 34.140 GAP -29.29 AZP 90.84 TAL 165.68 TAP 236.29 RCA 53.17 APO 155.65 V2 34.787
 RC 52.748 GL -5.86 GP 2.66 ZAL 60.53 ZAP 16.91 ETS 190.43 ZAE 151.89 ETE 158.34 ZAC 125.27 ETC 21.15 CLP 16.70

PLANETOCENTRIC CONIC
 C3 86.466 VHL 9.299 DLA -1.53 RAL 168.73 RAD 6569.7 VEL 14.416 PTH 2.62 VHP 17.501 CPA 20.86 RAP 142.12 ECC 2.4230
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 30 54 2525.75 -25.70 62.19 54.85 102.31 8 12 59 1925.7 -23.75 54.06
 90.00 19 6 17 5264.47 26.91 237.81 56.24 80.82 20 34 2 4664.5 25.36 229.48
 100.00 8 51 32 2265.65 -27.14 42.70 54.49 103.03 9 29 17 1665.6 -25.08 34.51
 100.00 20 28 20 4999.80 28.36 218.07 55.97 80.14 21 51 40 4399.8 26.71 209.66
 110.00 9 58 9 2057.13 -31.04 25.75 53.37 105.09 10 32 26 1457.1 -28.66 17.36
 110.00 21 38 13 4781.09 32.31 200.59 55.09 78.18 22 57 54 4181.1 30.34 191.93

DIFFERENTIAL CORRECTIONS
 TDE .7220 TRA-1.7483 TC3 -.1492 BAU .1814 SGT 1198.4 SGR 481.3 SG3 57.6 ST 550.0 SR 413.0 SS 511.6
 RDE -.6600 RRA -.3910 RC3 .0486 FAU .01546 RRT .0932 RRF -.0928 RTF -.7701 CRT -.6936 CRS -.7914 CST .9883
 FDE -.4866 FRA .8462 FC3 -.1548 BSP 3494 SGB 1291.4 R23 -.0075 R13 -.7704 LSA 816.6 MSA 260.1 SSA 15.6
 BDE .9782 BRA 1.7915 BC3 .1569 FSP -137 SG1 1199.4 SG2 478.8 THA 2.55 EL1 638.2 EL2 256.4 ALF 146.35

LAUNCH DATE MAY 12 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 10 1967

HELIOCENTRIC CONIC
 RL 151.12 LAL -.00 LOL 230.60 VL 22.424 GAL 12.44 AZL 92.63 HCA 73.77 SMA 105.87 ECC .46972 INC 2.6270 V1 29.483
 RP 108.94 LAP -2.52 LOP 304.35 VP 34.394 GAP -27.97 AZP 90.73 TAL 165.14 TAP 238.91 RCA 56.14 APO 155.60 V2 34.786
 RC 51.183 GL -6.50 GP 2.79 ZAL 59.94 ZAP 15.54 ETS 191.61 ZAE 153.30 ETE 155.66 ZAC 123.57 ETC 20.65 CLP 15.30

PLANETOCENTRIC CONIC
 C3 78.583 VHL 8.865 DLA -2.36 RAL 169.06 RAD 6569.5 VEL 14.140 PTH 2.58 VHP 16.773 CPA 20.46 RAP 143.95 ECC 2.2933
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 38 25 2478.17 -24.97 58.89 53.25 103.81 8 19 43 1878.2 -22.82 50.88
 90.00 19 1 25 5268.64 26.95 238.11 55.34 80.96 20 29 14 4668.6 25.42 229.77
 100.00 8 58 39 2219.33 -26.39 39.46 52.85 104.58 9 35 39 1619.3 -24.13 31.39
 100.00 20 23 51 5002.72 28.39 218.28 55.07 80.24 21 47 14 4402.7 26.75 209.86
 110.00 10 4 22 2013.60 -30.23 22.62 51.63 106.78 10 37 56 1413.6 -27.63 14.39
 110.00 21 34 38 4781.21 32.31 200.60 54.20 78.18 22 54 19 4181.2 30.35 191.94

DIFFERENTIAL CORRECTIONS
 TDE .7249 TRA-1.7433 TC3 -.1490 BAU .1669 SGT 1249.4 SGR 480.4 SG3 62.5 ST 578.0 SR 409.6 SS 537.3
 RDE -.6237 RRA -.3748 RC3 .0552 FAU .01590 RRT .0977 RRF -.0984 RTF -.7838 CRT -.6939 CRS -.7940 CST .9878
 FDE -.5102 FRA .8719 FC3 -.1752 BSP 3690 SGB 1338.6 R23 -.0087 R13 -.7841 LSA 849.9 MSA 260.7 SSA 15.8
 BDE .9563 BRA 1.7831 BC3 .1589 FSP -151 SG1 1250.5 SG2 477.7 THA 2.52 EL1 659.6 EL2 258.4 ALF 148.42

LAUNCH DATE MAY 12 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC
 RL 151.12 LAL -.00 LOL 230.60 VL 22.794 GAL 11.88 AZL 92.71 HCA 76.93 SMA 107.30 ECC .44956 INC 2.7141 V1 29.483
 RP 108.94 LAP -2.64 LOP 307.52 VP 34.635 GAP -26.70 AZP 90.61 TAL 164.63 TAP 241.56 RCA 59.06 APO 155.54 V2 34.784
 RC 49.723 GL -7.18 GP 2.92 ZAL 59.41 ZAP 14.19 ETS 193.07 ZAE 154.78 ETE 152.51 ZAC 121.87 ETC 20.19 CLP 13.90

PLANETOCENTRIC CONIC
 C3 71.460 VHL 8.453 DLA -3.21 RAL 169.32 RAD 6569.4 VEL 13.886 PTH 2.54 VHP 16.068 CPA 20.06 RAP 145.78 ECC 2.1760
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 45 45 2429.75 -24.14 55.59 51.58 105.27 8 26 15 1829.7 -21.81 47.69
 90.00 18 56 8 5272.84 26.99 238.41 54.33 81.11 20 24 1 4672.8 25.49 230.06
 100.00 9 5 35 2172.18 -25.54 36.22 51.14 106.08 9 41 48 1572.2 -23.09 28.27
 100.00 20 18 59 5005.63 28.43 218.49 54.07 80.35 21 42 24 4405.6 26.80 210.07
 110.00 10 10 24 1969.30 -29.31 19.50 49.82 108.43 10 43 13 1369.3 -26.52 11.43
 110.00 21 30 40 4781.28 32.31 200.61 53.21 78.18 22 50 21 4181.3 30.35 191.94

DIFFERENTIAL CORRECTIONS
 TDE .7280 TRA-1.7366 TC3 -.1471 BAU .1527 SGT 1301.9 SGR 478.8 SG3 67.8 ST 607.1 SR 405.2 SS 564.2
 RDE -.5880 RRA -.3587 RC3 .0625 FAU .01639 RRT .1029 RRF -.1047 RTF -.7969 CRT -.6945 CRS -.7966 CST .9874
 FDE -.5352 FRA .8983 FC3 -.1986 BSP 3891 SGB 1387.2 R23 -.0101 R13 -.7971 LSA 884.9 MSA 260.6 SSA 15.9
 BDE .9358 BRA 1.7732 BC3 .1598 FSP -166 SG1 1303.0 SG2 475.9 THA 2.50 EL1 682.3 EL2 259.5 ALF 150.44

LAUNCH DATE MAY 12 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 208.942

RL 151.12 LAL -1.00 LOL 230.60 VL 23.139 GAL 11.34 AZL 92.80 MCA 80.09 SMA 108.70 ECC .43026 INC 2.7989 V1 29.4H3
 RP 108.94 LAP -2.76 LOP 310.68 VP 34.863 GAP -25.48 A7P 90.48 TAL 164.15 TAP 244.24 RCA 61.93 APO 155.46 V2 34.7H4
 RC 48.377 GL -7.90 GP 3.07 ZAL 58.97 ZAP 12.86 ETS 194.92 ZAE 156.31 ETE 148.78 ZAC 120.15 ETC 19.75 CLP 12.49

PLANETOCENTRIC CONIC

C3 65.026 VHL 8.064 CLA -4.07 RAL 169.50 RAD 6569.2 VEL 13.652 PTH 2.50 VMP 15.387 DPA 19.65 RAP 147.60 ECC 2.0702
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 52 55 2380.49 -23.22 52.27 49.85 106.68 8 32 35 1780.5 -20.71 44.50
 90.00 18 50 25 5277.24 27.04 238.72 53.23 81.26 20 18 23 4677.2 25.55 230.37
 100.00 9 12 21 2124.24 -24.60 32.97 49.39 107.55 9 47 45 1524.2 -21.96 25.16
 100.00 20 13 40 5008.72 28.46 218.71 52.97 80.46 21 37 9 4408.7 26.85 210.28
 110.00 10 16 13 1924.28 -28.31 16.38 47.98 110.02 10 48 18 1324.3 -25.32 8.48
 110.00 21 26 17 4781.45 32.31 200.62 52.13 78.19 22 45 59 4181.4 30.35 191.95

DIFFERENTIAL CORRECTIONS

TOE .7313 TRA-1.7282 TC3 -.1432 BAU .1388
 ROE -.5531 RRA -.3429 RC3 .0705 FAU .01693
 FDE -.5622 FRA .9255 FC3 -.2254 BSP 4095
 BOE .9169 BRA 1.7619 BC3 .1596 FSP -182

MID-COURSE EXECUTION ACCURACY

SGT 1356.0 SGR 476.5 SG3 73.6
 RRT .1087 RRF -.1118 RTF -.8093
 SGB 1437.3 R23 -.0117 R13 -.8095
 SG1 1357.1 SG2 473.3 TMA 2.49

ORBIT DETERMINATION ACCURACY

ST 637.5 SR 399.8 SS 592.8
 CRT -.6951 CRS -.7992 CST .9869
 LSA 921.9 MSA 259.8 SSA 16.1
 EL1 706.4 EL2 259.4 ALF 152.42

LAUNCH DATE MAY 12 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 215.508

RL 151.12 LAL -1.00 LOL 230.60 VL 23.461 GAL 10.81 AZL 92.88 MCA 83.25 SMA 110.05 ECC .41182 INC 2.8821 V1 29.4H3
 RP 108.94 LAP -2.86 LOP 313.84 VP 35.078 GAP -24.31 A7P 90.34 TAL 163.71 TAP 246.96 RCA 64.73 APO 155.37 V2 34.7H4
 RC 47.155 GL -8.66 GP 3.23 ZAL 58.59 ZAP 11.54 ETS 197.28 ZAE 157.86 ETE 144.33 ZAC 118.44 ETC 19.33 CLP 11.09

PLANETOCENTRIC CONIC

C3 59.220 VHL 7.695 CLA -4.95 RAL 169.61 RAD 6569.1 VEL 13.438 PTH 2.46 VMP 14.728 DPA 19.24 RAP 149.42 ECC 1.9746
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 59 56 2330.41 -22.20 48.96 48.09 108.04 8 38 46 1730.4 -19.53 41.30
 90.00 18 44 15 5282.04 27.09 239.06 52.04 81.42 20 12 17 4682.0 25.62 230.70
 100.00 9 18 57 2075.52 -23.56 29.72 47.59 108.95 9 53 32 1475.5 -20.75 22.05
 100.00 20 7 55 5012.16 28.50 218.96 51.79 80.58 21 31 27 4412.2 26.91 210.52
 110.00 10 21 51 1878.57 -27.20 13.28 46.11 111.55 10 53 10 1278.6 -24.03 5.55
 110.00 21 21 30 4781.88 32.32 200.65 50.96 78.21 22 41 12 4181.9 30.36 191.98

DIFFERENTIAL CORRECTIONS

TOE .7352 TRA-1.7179 TC3 -.1368 BAU .1252
 ROE -.5189 RRA -.3275 RC3 .0794 FAU .01753
 FDE -.5914 FRA .9536 FC3 -.2562 BSP 4308
 BOE .8998 BRA 1.7489 BC3 .1582 FSP -201

MID-COURSE EXECUTION ACCURACY

SGT 1411.5 SGR 473.4 SG3 80.0
 RRT .1153 RRF -.1198 RTF -.8210
 SGB 1488.7 R23 -.0135 R13 -.8213
 SG1 1412.6 SG2 469.8 TMA 2.49

ORBIT DETERMINATION ACCURACY

ST 669.3 SR 393.3 SS 623.0
 CRT -.6960 CRS -.8017 CST .9865
 LSA 961.2 MSA 258.2 SSA 16.2
 EL1 732.1 EL2 258.2 ALF 154.34

LAUNCH DATE MAY 12 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 222.107

RL 151.12 LAL -1.00 LOL 230.60 VL 23.762 GAL 10.31 AZL 92.96 MCA 86.41 SMA 111.36 ECC .39423 INC 2.9642 V1 29.4H3
 RP 108.94 LAP -2.96 LOP 317.01 VP 35.281 GAP -23.19 A7P 90.19 TAL 163.31 TAP 249.72 RCA 67.46 APO 155.27 V2 34.7H5
 RC 46.068 GL -9.47 GP 3.41 ZAL 58.29 ZAP 10.25 ETS 200.36 ZAE 159.37 ETE 138.99 ZAC 116.72 ETC 18.94 CLP 9.68

PLANETOCENTRIC CONIC

C3 53.985 VHL 7.347 CLA -5.84 RAL 169.64 RAD 6569.0 VEL 13.242 PTH 2.42 VMP 14.091 DPA 18.84 RAP 151.22 ECC 1.8885
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 6 50 2279.54 -21.09 45.64 46.28 109.35 8 44 49 1679.5 -18.26 38.11
 90.00 18 37 34 5287.44 27.14 239.45 50.78 81.61 20 5 41 4687.4 25.70 231.08
 100.00 9 25 24 2026.06 -22.43 26.48 45.77 110.30 9 59 10 1426.1 -19.46 18.94
 100.00 20 1 40 5016.16 28.55 219.25 50.53 80.73 21 25 16 4416.2 26.97 210.80
 110.00 10 27 19 1832.22 -26.00 10.21 44.21 113.01 10 57 51 1232.2 -22.66 2.65
 110.00 21 16 15 4782.76 32.33 200.72 49.72 78.25 22 35 58 4182.8 30.38 192.05

DIFFERENTIAL CORRECTIONS

TOE .7370 TRA-1.7084 TC3 -.1295 BAU .1135
 ROE -.4854 RRA -.3125 RC3 .0892 FAU .01816
 FDE -.6225 FRA .9831 FC3 -.2912 BSP 4462
 BOE .8825 BRA 1.7367 BC3 .1572 FSP -220

MID-COURSE EXECUTION ACCURACY

SGT 1469.6 SGR 469.6 SG3 86.9
 RRT .1241 RRF -.1294 RTF -.8314
 SGB 1542.8 R23 -.0148 R13 -.8317
 SG1 1470.9 SG2 465.5 TMA 2.52

ORBIT DETERMINATION ACCURACY

ST 701.2 SR 385.6 SS 654.8
 CRT -.6954 CRS -.8038 CST .9858
 LSA 1001.6 MSA 256.5 SSA 16.3
 EL1 758.1 EL2 256.3 ALF 156.18

LAUNCH DATE MAY 12 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 228.734

RL 151.12 LAL -1.00 LOL 230.60 VL 24.044 GAL 9.83 AZL 93.05 MCA 89.57 SMA 112.63 ECC .37749 INC 3.0458 V1 29.4H3
 RP 108.93 LAP -3.05 LOP 320.17 VP 35.473 GAP -22.10 A7P 90.02 TAL 162.95 TAP 252.52 RCA 70.12 APO 155.15 V2 34.7H7
 RC 45.125 GL -10.33 GP 3.60 ZAL 58.08 ZAP 9.01 ETS 204.46 ZAE 160.78 ETE 132.60 ZAC 115.00 ETC 18.57 CLP 8.26

PLANETOCENTRIC CONIC

C3 49.269 VHL 7.019 CLA -6.75 RAL 169.58 RAD 6568.8 VEL 13.063 PTH 2.38 VMP 13.476 DPA 18.44 RAP 153.02 ECC 1.8108
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 13 37 2227.90 -19.89 42.33 44.46 110.58 8 50 45 1627.9 -16.91 34.92
 90.00 18 30 21 5293.65 27.20 239.89 49.44 81.82 19 58 35 4693.7 25.79 231.51
 100.00 9 31 44 1975.88 -21.20 23.25 43.92 111.58 10 4 40 1375.9 -18.09 15.85
 100.00 19 54 55 5020.90 28.60 219.59 49.20 80.90 21 18 36 4420.9 27.04 211.14
 110.00 10 32 37 1785.28 -24.72 7.17 42.30 114.40 11 2 22 1185.3 -21.22 359.78
 110.00 21 10 31 4784.27 32.35 200.83 48.40 78.31 22 30 16 4184.3 30.40 192.16

DIFFERENTIAL CORRECTIONS

TOE .7417 TRA-1.6946 TC3 -.1175 BAU .1016
 ROE -.4526 RRA -.2981 RC3 .0999 FAU .01889
 FDE -.6570 FRA 1.0134 FC3 -.3319 BSP 4674
 BOE .8689 BRA 1.7206 BC3 .1542 FSP -242

MID-COURSE EXECUTION ACCURACY

SGT 1527.8 SGR 465.0 SG3 94.6
 RRT .1330 RRF -.1400 RTF -.8419
 SGB 1597.0 R23 -.0170 R13 -.8422
 SG1 1529.1 SG2 460.4 TMA 2.55

ORBIT DETERMINATION ACCURACY

ST 735.7 SR 376.7 SS 689.0
 CRT -.6963 CRS -.8061 CST .9854
 LSA 1045.6 MSA 253.5 SSA 16.4
 EL1 786.9 EL2 252.8 ALF 157.98

LAUNCH DATE MAY 12 1967 FLIGHT TIME 102.00 ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC DISTANCE 235.387
 RL 151.12 LAL -.00 LOL 230.60 VL 24.306 GAL 9.36 AZL 93.13 MCA 92.73 SMA 113.86 ECC .36158 INC 3.1272 V1 29.483
 RP 108.93 LAP -3.12 LOP 323.34 VP 35.653 GAP -21.06 AZP 89.85 TAL 162.63 TAP 255.36 RCA 72.69 APO 155.03 V2 34.790
 RC 44.335 GL -11.24 GP 3.82 ZAL 57.94 ZAP 7.82 ETS 210.05 ZAE 162.00 ETE 125.02 ZAC 113.29 ETC 18.22 CLP 6.83

PLANETOCENTRIC CONIC
 C3 45.025 VML 6.710 DLA -7.69 RAL 169.45 RAD 6568.7 VEL 12.899 PTH 2.35 VMP 12.880 DPA 18.05 RAP 154.81 ECC 1.7410
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 20 19 2175.51 -18.60 39.02 42.61 111.74 8 56 34 1575.5 -15.49 31.73
 90.00 18 22 34 5300.91 27.27 240.41 48.04 82.08 19 50 54 4700.9 25.90 232.02
 100.00 9 37 57 1925.03 -19.90 20.04 42.05 112.78 10 10 2 1325.0 -16.64 12.76
 100.00 19 47 36 5026.62 28.66 220.01 47.81 81.11 21 11 23 4426.6 27.13 211.54
 110.00 10 37 45 1737.80 -23.35 4.16 40.38 115.71 11 6 43 1137.8 -19.70 356.93
 110.00 21 4 18 4786.62 32.39 201.00 47.02 78.41 22 24 4 4186.6 30.45 192.32

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TDE .7471 TRA-1.6788 TC3 -.1019 BAU .0910 SGT 1586.9 SGR 459.7 SG3 103.0 ST 771.5 SR 366.6 SS 725.6
 RDE -.4205 RRA -.2842 RC3 .1116 FAU .01969 RRT .1435 RRF -.1525 RTF -.8519 CRT -.6973 CRS -.8080 CST .9851
 FDE -.6948 FRA 1.0448 FC3 -.3786 BSP 4890 SGB 1652.1 R23 -.0195 R13 -.8522 LSA 1092.4 MSA 249.9 SSA 16.3
 BDE .8573 BRA 1.7027 BC3 .1512 FSP -266 SG1 1588.4 SG2 454.6 TMA 2.59 EL1 817.4 EL2 248.0 ALF 159.72

LAUNCH DATE MAY 12 1967 FLIGHT TIME 104.00 ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC DISTANCE 242.060
 RL 151.12 LAL -.00 LOL 230.60 VL 24.550 GAL 8.92 AZL 93.21 MCA 95.89 SMA 115.04 ECC .34649 INC 3.2092 V1 29.483
 RP 108.92 LAP -3.19 LOP 326.50 VP 35.824 GAP -20.05 AZP 89.67 TAL 162.35 TAP 258.24 RCA 75.18 APO 154.90 V2 34.793
 RC 43.707 GL -12.21 GP 4.06 ZAL 57.88 ZAP 6.74 ETS 217.78 ZAE 162.93 ETE 116.25 ZAC 111.58 ETC 17.89 CLP 5.39

PLANETOCENTRIC CONIC
 C3 41.212 VML 6.420 DLA -8.65 RAL 169.23 RAD 6568.6 VEL 12.751 PTH 2.32 VMP 12.305 DPA 17.67 RAP 156.59 ECC 1.6782
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 26 58 2122.38 -17.23 35.73 40.76 112.82 9 2 20 1522.4 -13.99 28.55
 90.00 18 14 9 5309.46 27.35 241.03 46.58 82.37 19 42 39 4709.5 26.01 232.62
 100.00 9 44 6 1873.52 -18.51 16.85 40.18 113.90 10 15 19 1273.5 -15.12 9.69
 100.00 19 39 42 5033.55 28.73 220.51 46.36 81.37 21 3 36 4433.5 27.24 212.03
 110.00 10 42 46 1689.84 -21.90 1.19 38.47 116.93 11 10 56 1089.8 -18.11 354.11
 110.00 20 57 32 4790.00 32.43 201.26 45.60 78.55 22 17 22 4190.0 30.51 192.57

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TDE .7533 TRA-1.6612 TC3 -.0826 BAU .0823 SGT 1646.9 SGR 453.9 SG3 112.2 ST 809.0 SR 355.0 SS 764.8
 RDE -.3891 RRA -.2711 RC3 .1244 FAU .02058 RRT .1560 RRF -.1671 RTF -.8613 CRT -.6980 CRS -.8096 CST .9849
 FDE -.7365 FRA 1.0777 FC3 -.4322 BSP 5107 SGB 1708.3 R23 -.0223 R13 -.8616 LSA 1142.2 MSA 245.7 SSA 16.6
 BDE .8478 BRA 1.6832 BC3 .1493 FSP -293 SG1 1648.6 SG2 447.9 TMA 2.66 EL1 849.6 EL2 242.0 ALF 161.41

LAUNCH DATE MAY 12 1967 FLIGHT TIME 106.00 ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC DISTANCE 248.750
 RL 151.12 LAL -.00 LOL 230.60 VL 24.778 GAL 8.49 AZL 93.29 MCA 99.06 SMA 116.17 ECC .33220 INC 3.2921 V1 29.483
 RP 108.90 LAP -3.25 LOP 329.67 VP 35.984 GAP -19.08 AZP 89.48 TAL 162.11 TAP 261.16 RCA 77.58 APO 154.76 V2 34.797
 RC 43.245 GL -13.23 GP 4.33 ZAL 57.91 ZAP 5.84 ETS 228.52 ZAE 163.47 ETE 106.51 ZAC 109.88 ETC 17.58 CLP 3.92

PLANETOCENTRIC CONIC
 C3 37.792 VML 6.148 DLA -9.64 RAL 168.92 RAD 6568.5 VEL 12.616 PTH 2.29 VMP 11.749 DPA 17.32 RAP 158.35 ECC 1.6220
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 33 35 2068.52 -15.78 32.44 38.91 113.82 9 8 4 1468.5 -12.42 25.37
 90.00 18 5 6 5319.55 27.44 241.75 45.08 82.73 19 33 45 4719.6 26.15 233.32
 100.00 9 50 12 1821.38 -17.04 13.67 38.32 114.94 10 20 33 1221.4 -13.54 6.63
 100.00 19 31 11 5041.92 28.81 221.12 44.86 81.68 20 55 13 4441.9 27.36 212.62
 110.00 10 47 40 1641.43 -20.38 358.26 36.56 118.06 11 15 1 1041.4 -16.47 351.32
 110.00 20 50 12 4794.64 32.49 201.61 44.13 78.75 22 10 7 4194.6 30.60 192.90

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TDE .7608 TRA-1.6415 TC3 -.0588 BAU .0759 SGT 1707.6 SGR 447.4 SG3 122.4 ST 848.2 SR 341.8 SS 807.0
 RDE -.3582 RRA -.2587 RC3 .1383 FAU .02156 RRT .1709 RRF -.1844 RTF -.8702 CRT -.6986 CRS -.8107 CST .9848
 FDE -.7828 FRA 1.1122 FC3 -.4939 BSP 5328 SGB 1765.3 R23 -.0255 R13 -.8706 LSA 1195.5 MSA 240.8 SSA 16.6
 BDE .8409 BRA 1.6617 BC3 .1503 FSP -323 SG1 1709.5 SG2 440.4 TMA 2.75 EL1 883.9 EL2 234.7 ALF 163.04

LAUNCH DATE MAY 12 1967 FLIGHT TIME 108.00 ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC DISTANCE 255.454
 RL 151.12 LAL -.00 LOL 230.60 VL 24.990 GAL 8.08 AZL 93.38 MCA 102.22 SMA 117.25 ECC .31870 INC 3.3765 V1 29.483
 RP 108.89 LAP -3.30 LOP 332.84 VP 36.134 GAP -18.14 AZP 89.28 TAL 161.91 TAP 264.13 RCA 79.88 APO 154.62 V2 34.801
 RC 42.956 GL -14.32 GP 4.63 ZAL 58.02 ZAP 5.23 ETS 242.85 ZAE 163.55 ETE 96.28 ZAC 108.19 ETC 17.28 CLP 2.44

PLANETOCENTRIC CONIC
 C3 34.730 VML 5.893 DLA -10.65 RAL 168.53 RAD 6568.4 VEL 12.494 PTH 2.26 VMP 11.211 DPA 16.99 RAP 160.10 ECC 1.5716
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 40 14 2013.91 -14.25 29.16 37.07 114.73 9 13 48 1413.9 -10.80 22.18
 90.00 17 55 20 5331.46 27.54 242.61 43.54 83.15 19 24 11 4731.5 26.31 234.16
 100.00 9 56 16 1768.62 -15.50 10.51 36.46 115.89 10 25 45 1168.6 -11.89 3.58
 100.00 19 21 59 5051.99 28.91 221.85 43.33 82.05 20 46 11 4452.0 27.51 213.33
 110.00 10 52 28 1592.63 -18.79 355.37 34.67 119.09 11 19 1 992.6 -14.77 348.56
 110.00 20 42 17 4800.74 32.57 202.06 42.62 79.01 22 2 17 4200.7 30.72 193.34

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TDE .7690 TRA-1.6204 TC3 -.0309 BAU .0726 SGT 1769.1 SGR 440.6 SG3 133.6 ST 888.9 SR 327.1 SS 852.4
 RDE -.3278 RRA -.2473 RC3 .1534 FAU .02264 RRT .1889 RRF -.2051 RTF -.8785 CRT -.6981 CRS -.8107 CST .9847
 FDE -.8342 FRA 1.1486 FC3 -.5644 BSP 5541 SGB 1823.2 R23 -.0291 R13 -.8790 LSA 1252.2 MSA 235.5 SSA 16.7
 BDE .8359 BRA 1.6391 BC3 .1565 FSP -356 SG1 1771.2 SG2 432.1 TMA 2.86 EL1 919.8 EL2 226.3 ALF 164.64

LAUNCH DATE MAY 12 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 262.169

RL 151.12 LAL -1.00 LOL 230.60 VL 25.187 GAL 7.69 AZL 93.46 HCA 105.38 SMA 118.28 ECC .30596 INC 3.4630 V1 29.483
 RP 108.87 LAP -3.34 LOP 336.01 VP 36.276 GAP -17.24 ATP 89.08 TAL 161.75 TAP 267.14 RCA 82.09 APO 154.47 V2 34.806
 RC 42.841 GL -15.46 GP 4.97 ZAL 58.22 ZAP 5.05 ETS 259.96 ZAE 163.14 ETE 86.24 ZAC 106.51 ETC 17.00 CLP .93

PLANETOCENTRIC CONIC

C3 31.995 VHL 5.656 DLA -11.69 RAL 168.05 RAD 6568.3 VEL 12.384 PTH 2.24 VMP 10.693 DPA 16.69 RAP 161.83 ECC 1.5266
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 46 57 1958.55 -12.65 25.88 35.24 115.55 9 19 35 1358.5 -9.10 18.99
 90.00 17 44 49 5345.47 27.65 243.62 41.97 83.64 19 13 54 4745.5 26.48 235.15
 100.00 10 2 22 1715.23 -13.89 7.37 34.62 116.74 10 30 57 1115.2 -10.19 .53
 100.00 19 12 5 5064.02 29.02 222.73 41.78 82.50 20 36 29 4464.0 27.68 214.18
 110.00 10 57 12 1543.47 -17.14 352.51 32.80 120.04 11 22 56 943.5 -13.02 345.83
 110.00 20 33 43 4808.54 32.67 202.65 41.10 79.34 21 53 52 4208.5 30.86 193.90

DIFFERENTIAL CORRECTIONS

TDE .7781 TRA-1.5967 TC3 .0018 BAU .0726
 RDE -.2978 RRA -.2368 RC3 .1697 FAU .02385
 FDE -.8917 FRA 1.1868 FC3 -.6453 BSP 5754
 BDE .8332 BRA 1.6142 BC3 .1697 FSP -393

MID-COURSE EXECUTION ACCURACY

SGT 1830.1 SGR 433.4 SG3 146.0
 RRT .2108 RRF -.2299 RTF -.8863
 SGB 1880.7 R23 -.0333 R13 -.8867
 SGI 1832.5 SG2 423.1 TMA 3.02

ORBIT DETERMINATION ACCURACY

ST 931.0 SR 310.5 SS 901.4
 CRT -.6965 CRS -.8096 CST .9846
 LSA 1312.5 MSA 229.9 SSA 16.7
 ELI 957.2 EL2 216.7 ALF 166.20

LAUNCH DATE MAY 12 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 268.891

RL 151.12 LAL -1.00 LOL 230.60 VL 25.370 GAL 7.32 AZL 93.55 HCA 108.55 SMA 119.27 ECC .29397 INC 3.5521 V1 29.483
 RP 108.86 LAP -3.37 LOP 339.18 VP 36.409 GAP -16.37 ATP 88.87 TAL 161.64 TAP 270.19 RCA 84.21 APO 154.33 V2 34.812
 RC 42.900 GL -16.66 GP 5.35 ZAL 58.50 ZAP 5.38 ETS 277.00 ZAE 162.27 ETE 77.00 ZAC 104.85 ETC 16.74 CLP -.61

PLANETOCENTRIC CONIC

C3 29.559 VHL 5.437 DLA -12.76 RAL 167.49 RAD 6568.2 VEL 12.285 PTH 2.21 VMP 10.193 DPA 16.43 RAP 163.54 ECC 1.4865
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 53 46 1902.36 -10.97 22.60 33.44 116.27 9 25 29 1302.4 -7.36 15.79
 90.00 17 33 28 5361.88 27.77 244.81 40.38 84.22 19 2 50 4761.9 26.68 236.31
 100.00 10 8 31 1661.20 -12.21 4.23 32.80 117.50 10 36 13 1061.2 -8.43 357.48
 100.00 19 1 24 5078.28 29.14 223.77 40.20 83.04 20 26 3 4478.3 27.87 215.20
 110.00 11 1 55 1493.99 -15.43 349.70 30.95 120.89 11 26 49 894.0 -11.22 343.12
 110.00 20 24 30 4818.26 32.79 203.38 39.56 79.76 21 44 49 4218.3 31.03 194.60

DIFFERENTIAL CORRECTIONS

TDE .7911 TRA-1.5711 TC3 .0444 BAU .0760
 RDE -.2680 RRA -.2275 RC3 .1872 FAU .02518
 FDE -.9565 FRA 1.2272 FC3 -.7376 BSP 6019
 BDE .8353 BRA 1.5874 BC3 .1924 FSP -434

MID-COURSE EXECUTION ACCURACY

SGT 1891.9 SGR 426.2 SG3 159.7
 RRT .2376 RRF -.2594 RTF -.8950
 SGB 1939.3 R23 -.0372 R13 -.8955
 SGI 1894.7 SG2 413.4 TMA 3.22

ORBIT DETERMINATION ACCURACY

ST 977.0 SR 292.0 SS 954.6
 CRT -.6939 CRS -.8065 CST .9849
 LSA 1378.7 MSA 223.3 SSA 16.5
 ELI 998.7 EL2 205.7 ALF 167.76

LAUNCH DATE MAY 12 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 275.617

RL 151.12 LAL -1.00 LOL 230.60 VL 25.540 GAL 6.97 AZL 93.64 HCA 111.71 SMA 120.20 ECC .28270 INC 3.6447 V1 29.483
 RP 108.84 LAP -3.39 LOP 342.35 VP 36.533 GAP -15.52 ATP 88.65 TAL 161.56 TAP 273.28 RCA 86.22 APO 154.18 V2 34.819
 RC 43.133 GL -17.93 GP 5.77 ZAL 58.87 ZAP 6.17 ETS 291.18 ZAE 161.04 ETE 68.96 ZAC 103.21 ETC 16.48 CLP -2.19

PLANETOCENTRIC CONIC

C3 27.396 VHL 5.234 DLA -13.87 RAL 166.83 RAD 6568.1 VEL 12.197 PTH 2.19 VMP 9.710 DPA 16.22 RAP 165.23 ECC 1.4509
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 0 47 1845.29 -9.24 19.31 31.67 116.89 9 31 33 1245.3 -5.56 12.57
 90.00 17 21 14 5381.03 27.89 246.19 38.78 84.91 18 50 55 4781.0 26.89 237.67
 100.00 10 14 48 1606.46 -10.47 1.10 31.02 118.16 10 41 35 1006.5 -6.62 354.42
 100.00 18 49 54 5099.07 29.28 225.00 38.62 83.67 20 14 50 4495.1 28.09 216.40
 110.00 11 6 37 1444.18 -13.67 346.91 29.14 121.64 11 30 41 844.2 -9.39 340.43
 110.00 20 14 35 4830.13 32.93 204.28 38.02 80.28 21 35 5 4230.1 31.24 195.47

DIFFERENTIAL CORRECTIONS

TDE .8052 TRA-1.5416 TC3 .0867 BAU .0820
 RDE -.2383 RRA -.2193 RC3 .2063 FAU .02671
 FDE -1.0305 FRA 1.2692 FC3 -.8439 BSP 6252
 BDE .8397 BRA 1.5571 BC3 .2238 FSP -481

MID-COURSE EXECUTION ACCURACY

SGT 1951.0 SGR 419.3 SG3 175.0
 RRT .2684 RRF -.2950 RTF -.9015
 SGB 1995.5 R23 -.0438 R13 -.9021
 SGI 1954.4 SG2 403.2 TMA 3.45

ORBIT DETERMINATION ACCURACY

ST 1024.1 SR 271.2 SS 1012.8
 CRT -.6883 CRS -.8007 CST .9853
 LSA 1449.5 MSA 216.5 SSA 16.5
 ELI 1041.6 EL2 193.5 ALF 169.30

LAUNCH DATE MAY 12 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 282.345

RL 151.12 LAL -1.00 LOL 230.60 VL 25.697 GAL 6.63 AZL 93.74 HCA 114.88 SMA 121.08 ECC .27213 INC 3.7415 V1 29.483
 RP 108.81 LAP -3.39 LOP 345.53 VP 36.650 GAP -14.71 ATP 88.42 TAL 161.53 TAP 276.41 RCA 88.13 APO 154.03 V2 34.826
 RC 43.534 GL -19.27 GP 6.25 ZAL 59.33 ZAP 7.32 ETS 301.69 ZAE 159.55 ETE 62.23 ZAC 101.60 ETC 16.23 CLP -3.80

PLANETOCENTRIC CONIC

C3 25.485 VHL 5.048 DLA -15.01 RAL 166.09 RAD 6568.0 VEL 12.119 PTH 2.17 VMP 9.245 DPA 16.07 RAP 166.91 ECC 1.4194
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 8 5 1787.19 -7.43 16.00 29.94 117.40 9 37 52 1187.2 -3.70 9.30
 90.00 17 8 3 5403.28 28.02 247.81 37.18 85.71 18 38 6 4803.3 27.13 239.26
 100.00 10 21 17 1550.98 -8.67 357.97 29.27 118.72 10 47 8 951.0 -4.77 351.35
 100.00 18 37 31 5114.72 29.41 226.45 37.04 84.42 20 2 46 4514.7 28.33 217.81
 110.00 11 11 23 1394.06 -11.86 344.15 27.36 122.30 11 34 37 794.1 -7.52 337.75
 110.00 20 3 55 4844.40 33.09 203.36 36.49 80.90 21 24 39 4244.4 31.48 196.51

DIFFERENTIAL CORRECTIONS

TDE .8199 TRA-1.5123 TC3 .1349 BAU .0899
 RDE -.2083 RRA -.2126 RC3 .2268 FAU .02836
 FDE -1.1137 FRA 1.3144 FC3 -.9633 BSP 6466
 BDE .8460 BRA 1.5271 BC3 .2639 FSP -532

MID-COURSE EXECUTION ACCURACY

SGT 2010.5 SGR 413.1 SG3 191.8
 RRT .3071 RRF -.3376 RTF -.9081
 SGB 2052.5 R23 -.0502 R13 -.9088
 SGI 2014.7 SG2 392.4 TMA 3.75

ORBIT DETERMINATION ACCURACY

ST 1072.5 SR 248.1 SS 1075.6
 CRT -.6766 CRS -.7899 CST .9856
 LSA 1524.5 MSA 210.0 SSA 16.3
 ELI 1085.9 EL2 180.4 ALF 170.85

LAUNCH DATE MAY 12 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 289.072

RL 151.12 LAL -0.00 LOL 230.60 VL 25.842 GAL 6.31 AZL 93.84 MCA 118.05 SMA 121.92 ECC .26224 INC 3.8434 V1 29.483
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.760 GAP -13.92 AZP 88.19 TAL 161.53 TAP 279.57 RCA 89.95 APO 153.89 V2 34.834
 RC 44.099 GL -20.66 GP 6.80 ZAL 59.86 ZAP 8.72 ETS 309.14 ZAE 157.89 ETE 56.74 ZAC 100.01 ETC 15.99 CLP -5.47

PLANETOCENTRIC CONIC

C3 23.805 VHL 4.879 DLA -16.18 RAL 165.27 RAD 6568.0 VEL 12.049 PTM 2.15 VHP 8.798 DPA 15.99 RAP 168.56 ECC 1.3918
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 15 45 1727.87 -5.56 12.64 28.26 117.81 9 44 32 1127.9 -1.79 5.99
 90.00 16 53 47 5429.06 28.13 249.69 35.59 86.64 18 24 16 4829.1 27.37 241.10
 100.00 10 28 2 1494.59 -6.81 354.81 27.58 119.18 10 52 57 894.6 -2.87 348.24
 100.00 18 24 10 5137.58 29.55 228.13 35.48 85.30 19 49 47 4537.6 28.59 219.46
 110.00 11 16 15 1343.59 -10.01 341.41 25.63 122.86 11 38 38 743.6 -5.61 335.08
 110.00 19 52 27 4861.34 33.27 206.66 34.98 81.64 21 13 29 4261.3 31.76 197.75

DIFFERENTIAL CORRECTIONS

TDE .8363 TRA-1.4815 TC3 .1872 BAU .0991
 RDE -.1777 RRA -.2074 RC3 .2489 FAU .03017
 FDE-1.2081 FRA 1.3628 FC3-1.0974 BSP 6666
 BDE .8550 BRA 1.4960 BC3 .3114 FSP -588

MID-COURSE EXECUTION ACCURACY

SGT 2068.8 SGR 408.4 SG3 210.5
 RRT .3536 RRF -.3884 RTF -.9142
 SGB 2108.7 R23 -.0575 R13 -.9150
 SG1 2074.0 SG2 381.1 TMA 4.13

ORBIT DETERMINATION ACCURACY

ST 1122.5 SR 222.3 SS 1143.7
 CRT -.6557 CRS -.7710 CST .9860
 LSA 1604.9 MSA 203.6 SSA 16.1
 EL1 1132.1 EL2 166.4 ALF 172.44

LAUNCH DATE MAY 12 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 295.797

RL 151.12 LAL -0.00 LOL 230.60 VL 25.977 GAL 6.01 AZL 93.95 MCA 121.22 SMA 122.71 ECC .25301 INC 3.9515 V1 29.483
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.863 GAP -13.15 AZP 87.95 TAL 161.56 TAP 282.78 RCA 91.66 APO 153.75 V2 34.842
 RC 44.820 GL -22.13 GP 7.43 ZAL 60.48 ZAP 10.32 ETS 314.39 ZAE 156.14 ETE 52.36 ZAC 98.45 ETC 15.76 CLP -7.18

PLANETOCENTRIC CONIC

C3 22.338 VHL 4.726 DLA -17.40 RAL 164.35 RAD 6567.9 VEL 11.988 PTM 2.14 VHP 8.368 DPA 15.99 RAP 170.20 ECC 1.3676
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 23 55 1667.05 -3.62 9.23 26.64 118.10 9 51 43 1067.1 .17 2.60
 90.00 16 38 19 5458.89 28.23 251.86 34.01 87.73 18 9 18 4858.9 27.62 243.25
 100.00 10 35 11 1437.11 -4.89 351.62 25.94 119.53 10 59 8 837.1 -.92 345.08
 100.00 18 9 44 5164.07 29.69 230.09 33.93 86.32 19 35 48 4564.1 28.86 221.38
 110.00 11 21 16 1292.72 -8.12 338.69 23.95 123.32 11 42 49 692.7 -3.68 332.41
 110.00 19 40 8 4881.22 33.45 208.18 33.50 82.53 21 1 30 4281.2 32.06 199.22

DIFFERENTIAL CORRECTIONS

TDE .8547 TRA-1.4490 TC3 .2423 BAU .1090
 RDE -.1462 RRA -.2039 RC3 .2727 FAU .03218
 FDE-1.3160 FRA 1.4144 FC3-1.2472 BSP 6862
 BDE .8672 BRA 1.4633 BC3 .3648 FSP -651

MID-COURSE EXECUTION ACCURACY

SGT 2124.8 SGR 406.2 SG3 231.2
 RRT .4083 RRF -.4478 RTF -.9198
 SGB 2163.3 R23 -.0663 R13 -.9208
 SG1 2131.4 SG2 369.6 TMA 4.60

ORBIT DETERMINATION ACCURACY

ST 1174.2 SR 193.6 SS 1217.7
 CRT -.6185 CRS -.7374 CST .9865
 LSA 1691.1 MSA 197.4 SSA 15.8
 EL1 1180.4 EL2 151.4 ALF 174.08

LAUNCH DATE MAY 12 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 302.516

RL 151.12 LAL -0.00 LOL 230.60 VL 26.101 GAL 5.73 AZL 94.07 MCA 124.39 SMA 123.44 ECC .24440 INC 4.0673 V1 29.483
 RP 108.74 LAP -3.36 LOP 355.05 VP 36.959 GAP -12.41 AZP 87.70 TAL 161.63 TAP 286.02 RCA 93.27 APO 153.61 V2 34.851
 RC 45.690 GL -23.66 GP 8.14 ZAL 61.18 ZAP 12.09 ETS 318.09 ZAE 154.37 ETE 48.95 ZAC 96.93 ETC 15.53 CLP -8.96

PLANETOCENTRIC CONIC

C3 21.070 VHL 4.590 DLA -18.65 RAL 163.36 RAD 6567.9 VEL 11.935 PTM 2.12 VHP 7.955 DPA 16.10 RAP 171.82 ECC 1.3468
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 32 48 1604.31 -1.60 5.72 25.10 118.28 9 59 33 1004.3 2.19 359.10
 90.00 16 21 29 5493.40 28.30 254.39 32.46 88.99 17 53 2 4893.4 27.86 245.75
 100.00 10 42 52 1378.25 -2.91 348.38 24.37 119.76 11 5 50 778.3 1.07 341.86
 100.00 17 54 7 5194.70 29.80 232.36 32.41 87.51 19 20 41 4594.7 29.13 223.62
 110.00 11 26 34 1241.33 -6.19 335.96 22.34 123.69 11 47 15 641.3 -1.72 329.73
 110.00 19 26 54 4904.38 33.64 209.96 32.06 83.56 20 48 39 4304.4 32.39 200.95

DIFFERENTIAL CORRECTIONS

TDE .8756 TRA-1.4146 TC3 .3005 BAU .1193
 RDE -.1130 RRA -.2024 RC3 .2987 FAU .03441
 FDE-1.4399 FRA 1.4690 FC3-1.4137 BSP 7055
 BDE .8829 BRA 1.4290 BC3 .4237 FSP -722

MID-COURSE EXECUTION ACCURACY

SGT 2177.9 SGR 407.6 SG3 254.3
 RRT .4713 RRF -.5155 RTF -.9250
 SGB 2215.8 R23 -.0765 R13 -.9263
 SG1 2186.6 SG2 358.1 TMA 5.18

ORBIT DETERMINATION ACCURACY

ST 1227.7 SR 162.3 SS 1298.4
 CRT -.5487 CRS -.6740 CST .9871
 LSA 1784.0 MSA 191.3 SSA 15.4
 EL1 1231.0 EL2 135.4 ALF 175.80

LAUNCH DATE MAY 12 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 309.229

RL 151.12 LAL -0.00 LOL 230.60 VL 26.216 GAL 5.46 AZL 94.19 MCA 127.56 SMA 124.13 ECC .23641 INC 4.1922 V1 29.483
 RP 108.71 LAP -3.32 LOP 358.23 VP 37.048 GAP -11.69 AZP 87.44 TAL 161.73 TAP 289.29 RCA 94.79 APO 153.48 V2 34.860
 RC 46.700 GL -25.26 GP 8.97 ZAL 61.94 ZAP 14.01 ETS 320.69 ZAE 152.62 ETE 46.35 ZAC 95.44 ETC 15.30 CLP -10.81

PLANETOCENTRIC CONIC

C3 19.987 VHL 4.471 DLA -19.94 RAL 162.28 RAD 6567.8 VEL 11.890 PTM 2.11 VHP 7.560 DPA 16.33 RAP 173.42 ECC 1.3289
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 42 39 1539.02 .51 2.08 23.65 118.31 10 8 18 939.0 4.29 355.44
 90.00 16 3 2 5533.48 28.31 257.32 30.94 90.46 17 35 16 4933.5 28.08 248.66
 100.00 10 51 16 1317.59 -.85 345.05 22.90 119.88 11 13 13 717.6 3.13 338.52
 100.00 17 37 7 5230.14 29.87 234.99 30.93 88.89 19 4 17 4630.1 29.40 226.22
 110.00 11 32 12 1189.28 -4.22 333.22 20.80 123.95 11 52 2 589.3 .27 327.01
 110.00 19 12 39 4931.22 33.83 212.03 30.67 84.78 20 34 50 4331.2 32.74 202.97

DIFFERENTIAL CORRECTIONS

TDE .8988 TRA-1.3789 TC3 .3596 BAU .1299
 RDE -.0774 RRA -.2031 RC3 .3270 FAU .03687
 FDE-1.5823 FRA 1.5273 FC3-1.5968 BSP 7230
 BDE .9021 BRA 1.3937 BC3 .4861 FSP -800

MID-COURSE EXECUTION ACCURACY

SGT 2228.0 SGR 414.8 SG3 279.8
 RRT .5414 RRF -.5903 RTF -.9299
 SGB 2266.2 R23 -.0884 R13 -.9314
 SG1 2239.5 SG2 346.9 TMA 5.90

ORBIT DETERMINATION ACCURACY

ST 1282.5 SR 129.7 SS 1386.3
 CRT -.4050 CRS -.5412 CST .9877
 LSA 1883.8 MSA 185.8 SSA 14.9
 EL1 1283.6 EL2 118.5 ALF 177.63

LAUNCH DATE MAY 12 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 315.933

RL 151.12 LAL -.00 LOL 230.60 VL 26.321 GAL 5.21 AZL 94.33 MCA 130.73 SMA 124.78 ECC .22901 INC 4.3283 VI 29.483
 RP 108.68 LAP -3.28 LOP 1.42 VP 37.132 GAP -11.00 AZP 87.17 TAL 161.85 TAP 292.59 RCA 96.20 APO 153.36 V2 34.870
 RC 47.841 GL -26.93 GP 9.94 ZAL 62.78 ZAP 16.10 ETS 322.50 ZAE 150.92 ETE 44.49 ZAC 93.99 ETC 15.07 CLP -12.73

PLANETOCENTRIC CONIC

C3 19.081 VML 4.368 CLA -21.28 RAL 161.12 RAD 6567.8 VEL 11.852 PTH 2.10 VMP 7.183 DPA 16.70 RAP 175.00 ECC 1.3140
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 53 49 1470.17 2.73 358.24 22.32 118.20 10 18 19 870.2 6.48 351.57
 90.00 15 42 38 5580.34 28.24 260.74 29.44 92.18 17 15 38 4980.3 28.24 252.08
 100.00 11 0 39 1254.47 1.29 341.59 21.52 119.87 11 21 34 654.5 5.25 335.04
 100.00 17 18 29 5271.28 29.89 238.05 29.49 90.50 18 46 20 4671.3 29.64 229.26
 110.00 11 38 21 1136.30 -2.20 330.45 19.35 124.12 11 57 18 536.3 2.29 324.25
 110.00 18 57 16 4962.21 34.00 214.44 29.35 86.19 20 19 58 4362.2 33.10 205.31

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .9243 TRA-1.3409 TC3 .4184 BAU .1405 SGT 2272.8 SGR 429.9 SG3 308.0 ST 1338.2 SR 101.2 SS 1481.6
 RDE -.0385 RRA -.2064 RC3 .3581 FAU .03956 RRT .6155 RRF -.6685 RTF -.9345 CRT -.0874 CRS -.2355 CST .9884
 FDE-1.7464 FRA 1.5886 FC3-1.7948 BSP 7395 SGB 2313.1 R23 -.1020 R13 -.9364 LSA 1990.8 MSA 180.6 SSA 14.3
 BDE .9251 BRA 1.3567 BC3 .5507 FSP -.887 SG1 2288.5 SG2 336.5 TMA 6.79 EL1 1338.2 EL2 100.8 ALF 179.62

LAUNCH DATE MAY 12 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 322.627

RL 151.12 LAL -.00 LOL 230.60 VL 26.417 GAL 4.97 AZL 94.48 MCA 133.91 SMA 125.38 ECC .22217 INC 4.4781 VI 29.483
 RP 108.64 LAP -3.22 LOP 4.60 VP 37.210 GAP -10.32 AZP 86.89 TAL 162.00 TAP 295.91 RCA 97.52 APO 153.24 V2 34.881
 RC 49.103 GL -28.67 GP 11.06 ZAL 63.68 ZAP 18.36 ETS 323.70 ZAE 149.29 ETE 43.28 ZAC 92.59 ETC 14.83 CLP -14.74

PLANETOCENTRIC CONIC

C3 18.346 VML 4.283 CLA -22.66 RAL 159.88 RAD 6567.7 VEL 11.821 PTH 2.09 VMP 6.825 DPA 17.26 RAP 176.58 ECC 1.3019
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 6 54 1396.13 5.10 354.09 21.15 117.89 10 30 10 796.1 8.79 347.36
 90.00 15 19 41 5635.90 28.03 264.79 27.97 94.20 16 53 37 5035.9 28.32 256.14
 100.00 11 11 26 1187.86 3.54 337.92 20.29 119.70 11 31 13 587.9 7.47 331.34
 100.00 16 57 50 5319.40 29.81 241.63 28.09 92.38 18 26 30 4719.4 29.82 232.82
 110.00 11 45 11 1082.02 -.12 327.62 18.00 124.18 12 3 13 482.0 4.36 321.41
 110.00 18 40 34 4998.01 34.12 217.23 28.10 87.84 20 3 52 4398.0 33.45 208.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .9549 TRA-1.2994 TC3 .4790 BAU .1519 SGT 2312.5 SGR 456.2 SG3 339.2 ST 1396.8 SR 93.2 SS 1586.4
 RDE .0052 RRA -.2125 RC3 .3927 FAU .04258 RRT .6894 RRF -.7452 RTF -.9391 CRT .4707 CRS .3391 CST .9893
 FDE-1.9379 FRA 1.6512 FC3-2.0096 BSP 7606 SGB 2357.1 R23 -.1167 R13 -.9416 LSA 2108.4 MSA 175.3 SSA 13.6
 BDE .9549 BRA 1.3166 BC3 .6194 FSP -.987 SG1 2334.2 SG2 327.4 TMA 7.90 EL1 1397.5 EL2 82.2 ALF 1.81

LAUNCH DATE MAY 12 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 329.309

RL 151.12 LAL -.00 LOL 230.60 VL 26.506 GAL 4.76 AZL 94.65 MCA 137.09 SMA 125.94 ECC .21587 INC 4.6450 VI 29.483
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.283 GAP -9.67 AZP 86.59 TAL 162.17 TAP 299.26 RCA 98.75 APO 153.12 V2 34.891
 RC 50.476 GL -30.49 GP 12.38 ZAL 64.63 ZAP 20.81 ETS 324.43 ZAE 147.73 ETE 42.68 ZAC 91.24 ETC 14.58 CLP -16.85

PLANETOCENTRIC CONIC

C3 17.778 VML 4.216 CLA -24.10 RAL 158.57 RAD 6567.7 VEL 11.797 PTH 2.09 VMP 6.486 DPA 18.02 RAP 178.15 ECC 1.2926
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 22 55 1313.91 7.70 349.44 20.17 117.33 10 44 49 713.9 11.30 342.62
 90.00 14 53 11 5703.44 27.60 269.69 26.51 96.62 16 28 14 5103.4 28.22 261.08
 100.00 11 24 12 1116.05 5.95 333.96 19.22 119.35 11 42 48 516.1 9.82 327.30
 100.00 16 34 35 5376.54 29.57 245.86 26.73 94.60 18 4 11 4776.5 29.89 237.07
 110.00 11 52 58 1025.86 2.82 324.69 16.79 124.13 12 10 4 425.9 6.49 318.45
 110.00 18 22 18 5039.50 34.18 220.47 26.93 89.75 19 46 18 4439.5 33.77 211.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .9859 TRA-1.2584 TC3 .5290 BAU .1622 SGT 2345.9 SGR 497.2 SG3 373.2 ST 1452.8 SR 125.1 SS 1698.3
 RDE .0555 RRA -.2222 RC3 .4310 FAU .04576 RRT .7569 RRF -.8147 RTF -.9429 CRT .8635 CRS .7855 CST .9900
 FDE-2.1573 FRA 1.7175 FC3-2.2282 BSP 7746 SGB 2398.0 R23 -.1337 R13 -.9461 LSA 2231.9 MSA 171.3 SSA 12.8
 BDE .9874 BRA 1.2779 BC3 .6823 FSP -1094 SG1 2376.4 SG2 320.7 TMA 9.28 EL1 1456.9 EL2 62.9 ALF 4.26

LAUNCH DATE MAY 12 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 335.978

RL 151.12 LAL -.00 LOL 230.60 VL 26.587 GAL 4.55 AZL 94.83 MCA 140.27 SMA 126.45 ECC .21008 INC 4.8332 VI 29.483
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.351 GAP -9.03 AZP 86.28 TAL 162.35 TAP 302.61 RCA 99.89 APO 153.02 V2 34.903
 RC 51.950 GL -32.39 GP 13.95 ZAL 65.64 ZAP 23.47 ETS 324.78 ZAE 146.20 ETE 42.67 ZAC 89.93 ETC 14.31 CLP -19.07

PLANETOCENTRIC CONIC

C3 17.381 VML 4.169 CLA -25.60 RAL 157.18 RAD 6567.7 VEL 11.780 PTH 2.08 VMP 6.169 DPA 19.05 RAP 179.75 ECC 1.2860
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 43 56 1217.18 10.67 343.90 19.49 116.38 11 4 13 617.2 14.13 336.93
 90.00 14 21 3 5789.68 26.77 275.86 24.99 99.60 15 57 33 5189.7 27.82 267.35
 100.00 11 40 5 1035.92 8.60 329.48 18.39 118.74 11 57 21 435.9 12.37 322.72
 100.00 16 7 36 5446.18 29.08 250.98 25.37 97.25 17 38 22 4846.2 29.78 242.24
 110.00 12 2 4 966.91 4.27 321.61 15.74 123.95 12 18 11 366.9 8.70 315.32
 110.00 18 2 6 5087.95 34.13 224.25 25.85 91.99 19 26 54 4488.0 34.03 215.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0193 TRA-1.2158 TC3 .5701 BAU .1722 SGT 2371.0 SGR 557.0 SG3 410.1 ST 1507.2 SR 191.6 SS 1818.5
 RDE .1150 RRA -.2359 RC3 .4738 FAU .04913 RRT .8141 RRF -.8725 RTF -.9462 CRT .9743 CRS .9359 CST .9907
 FDE-2.4102 FRA 1.7843 FC3-2.4470 BSP 7869 SGB 2435.5 R23 -.1517 R13 -.9504 LSA 2363.6 MSA 168.0 SSA 11.9
 BDE 1.0257 BRA 1.2385 BC3 .7413 FSP -1210 SG1 2414.7 SG2 317.6 TMA 11.02 EL1 1518.7 EL2 42.8 ALF 7.07

LAUNCH DATE MAY 12 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

RL 151.12 LAL -.00 LOL 230.60 VL 26.660 GAL 4.37 AZL 95.05 MCA 143.45 SMA 126.92 ECC .20479 INC 5.0485 V1 29.483
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.414 GAP -8.41 AZP 85.94 TAL 162.54 TAP 305.99 RCA 100.93 APO 152.92 V2 34.914
 RC 53.515 GL -34.38 GP 15.81 ZAL 66.70 ZAP 26.39 ETS 324.81 ZAE 144.67 ETE 43.27 ZAC 88.68 ETC 14.02 CLP -21.41

PLANETOCENTRIC CONIC

C3 17.163 VHL 4.143 CLA -27.18 RAL 155.70 RAD 6567.7 VEL 11.771 PTH 2.08 VHP 5.875 DPA 20.39 RAP 181.37 ECC 1.2825
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 16 8 1086.62 14.51 336.22 19.34 114.59 11 34 14 486.6 17.70 329.01
 90.00 13 37 6 626.39 25.05 306.68 23.22 103.65 13 47 33 26.4 26.68 298.40
 100.00 12 1 19 940.62 11.67 324.08 17.91 117.72 12 17 0 340.6 15.29 317.16
 100.00 15 34 36 5535.66 28.14 257.46 23.96 100.53 17 6 52 4935.7 29.30 248.85
 110.00 12 13 5 903.70 6.66 318.28 14.91 123.61 12 28 8 303.7 11.04 311.91
 110.00 17 39 20 5145.35 33.91 228.72 24.85 94.63 19 5 5 4545.3 34.18 219.48

DIFFERENTIAL CORRECTIONS

TDE 1.0589 TRA-1.1692 TC3 .6064 BAU .1836
 RDE .1874 RRA -.2540 RC3 .5222 FAU .05276
 FDE-2.7048 FRA 1.8462 FC3-2.6614 BSP 8045
 BDE 1.0754 BRA 1.1965 BC3 .8002 FSP -1341

MID-COURSE EXECUTION ACCURACY

SGT 2387.7 SGR 640.6 SG3 449.7
 RRT .8596 RRF -.9168 RTF -.9497
 SGB 2472.2 R23 -.1676 R13 -.9553
 SG1 2451.5 SG2 318.8 TMA 13.21

ORBIT DETERMINATION ACCURACY

ST 1562.8 SR 285.2 SS 1948.8
 CRT .9967 CRS .9792 CST .9915
 LSA 2508.9 MSA 164.4 SSA 11.0
 EL1 1588.4 EL2 22.6 ALF 10.31

LAUNCH DATE MAY 12 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

RL 151.12 LAL -.00 LOL 230.60 VL 26.727 GAL 4.20 AZL 95.30 MCA 146.63 SMA 127.36 ECC .19997 INC 5.2989 V1 29.483
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.473 GAP -7.81 AZP 85.57 TAL 162.73 TAP 309.36 RCA 101.89 APO 152.83 V2 34.926
 RC 55.163 GL -36.48 GP 18.06 ZAL 67.80 ZAP 29.62 ETS 324.56 ZAE 143.07 ETE 44.48 ZAC 87.46 ETC 13.69 CLP -23.88

PLANETOCENTRIC CONIC

C3 17.148 VHL 4.141 CLA -28.84 RAL 154.14 RAD 6567.7 VEL 11.770 PTH 2.08 VHP 5.609 DPA 22.13 RAP 183.07 ECC 1.2822
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.31 11 33 1 1009.59 20.84 333.35 20.37 110.39 11 49 50 409.6 23.43 325.59
 95.69 13 7 45 702.95 20.85 310.88 20.38 110.38 13 19 28 102.9 23.44 303.12
 100.00 12 35 4 808.19 15.73 316.34 18.08 115.75 12 48 32 208.2 19.07 309.14
 100.00 14 48 23 5667.61 26.14 266.75 22.22 105.03 16 22 51 5067.6 27.95 258.42
 110.00 12 27 0 833.55 9.29 314.54 14.37 123.05 12 40 54 233.5 13.58 308.07
 110.00 17 12 56 5215.02 33.39 234.09 23.90 97.77 18 39 51 4615.0 34.11 224.92

DIFFERENTIAL CORRECTIONS

TDE 1.0989 TRA-1.1230 TC3 .6219 BAU .1942
 RDE .2773 RRA -.2778 RC3 .5754 FAU .05627
 FDE-3.0377 FRA 1.9032 FC3-2.8412 BSP 8149
 BDE 1.1334 BRA 1.1569 BC3 .8473 FSP -1473

MID-COURSE EXECUTION ACCURACY

SGT 2392.6 SGR 752.9 SG3 490.6
 RRT .8923 RRF -.9481 RTF -.9522
 SGB 2508.2 R23 -.1821 R13 -.9597
 SG1 2486.8 SG2 327.1 TMA 15.97

ORBIT DETERMINATION ACCURACY

ST 1611.1 SR 405.9 SS 2083.7
 CRT .9997 CRS .9927 CST .9921
 LSA 2660.1 MSA 162.3 SSA 10.0
 EL1 1661.4 EL2 10.4 ALF 14.14

LAUNCH DATE MAY 12 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

RL 151.12 LAL -.00 LOL 230.60 VL 26.787 GAL 4.04 AZL 95.60 MCA 149.81 SMA 127.75 ECC .19561 INC 5.5956 V1 29.483
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.528 GAP -7.23 AZP 85.16 TAL 162.93 TAP 312.74 RCA 102.76 APO 152.74 V2 34.938
 RC 56.885 GL -38.70 GP 20.78 ZAL 68.96 ZAP 33.20 ETS 324.07 ZAE 141.29 ETE 46.31 ZAC 86.28 ETC 13.32 CLP -26.50

PLANETOCENTRIC CONIC

C3 17.362 VHL 4.167 CLA -30.60 RAL 152.48 RAD 6567.7 VEL 11.779 PTH 2.08 VHP 5.377 DPA 24.33 RAP 184.90 ECC 1.2857
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.89 10 36 32 1172.02 21.98 345.86 19.41 111.84 10 56 4 572.0 24.75 338.10
 102.11 13 50 56 5834.37 22.00 277.65 19.41 111.83 15 28 11 5234.4 24.76 269.89
 77.89 10 36 32 1172.02 21.98 345.86 19.41 111.84 10 56 4 572.0 24.75 338.10
 102.11 13 50 56 5834.37 22.00 277.65 19.41 111.83 15 28 11 5234.4 24.76 269.89
 110.00 12 45 51 750.92 12.32 310.06 14.27 122.14 12 58 22 150.9 16.48 303.42
 110.00 16 40 48 5303.46 32.38 240.79 22.91 101.61 18 9 11 4703.5 33.64 231.78

DIFFERENTIAL CORRECTIONS

TDE 1.1460 TRA-1.0732 TC3 .6250 BAU .2067
 RDE .3925 RRA -.3076 RC3 .6340 FAU .05963
 FDE-3.4162 FRA 1.9436 FC3-2.9735 BSP 8321
 BDE 1.2114 BRA 1.1164 BC3 .8903 FSP -1612

MID-COURSE EXECUTION ACCURACY

SGT 2386.2 SGR 901.0 SG3 531.5
 RRT .9154 RRF -.9688 RTF -.9548
 SGB 2550.7 R23 -.1895 R13 -.9650
 SG1 2527.6 SG2 342.4 TMA 19.44

ORBIT DETERMINATION ACCURACY

ST 1657.8 SR 559.7 SS 2224.9
 CRT .9986 CRS .9974 CST .9928
 LSA 2826.0 MSA 160.0 SSA 8.9
 EL1 1749.5 EL2 27.8 ALF 18.64

LAUNCH DATE MAY 12 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

RL 151.12 LAL -.00 LOL 230.60 VL 26.841 GAL 3.90 AZL 95.96 MCA 153.00 SMA 128.11 ECC .19167 INC 5.9555 V1 29.483
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.578 GAP -6.66 AZP 84.69 TAL 163.12 TAP 316.12 RCA 103.56 APO 152.67 V2 34.951
 RC 58.673 GL -41.09 GP 24.10 ZAL 70.17 ZAP 37.22 ETS 323.38 ZAE 139.19 ETE 48.76 ZAC 85.11 ETC 12.88 CLP -29.26

PLANETOCENTRIC CONIC

C3 17.874 VHL 4.228 CLA -32.50 RAL 150.68 RAD 6567.7 VEL 11.801 PTH 2.09 VHP 5.186 DPA 27.13 RAP 186.94 ECC 1.2942
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.35 9 57 56 1277.47 23.09 354.34 18.65 113.53 10 19 14 677.5 26.07 346.59
 106.65 14 15 14 5742.40 23.10 271.19 18.66 113.51 15 50 56 5142.4 26.08 263.44
 73.35 9 57 56 1277.47 23.09 354.34 18.65 113.53 10 19 14 677.5 26.07 346.59
 106.65 14 15 14 5742.40 23.10 271.19 18.66 113.51 15 50 56 5142.4 26.08 263.44
 110.00 13 15 10 639.93 16.25 303.87 14.96 120.49 13 25 50 39.9 20.18 296.94
 110.00 15 57 11 5427.94 30.31 249.89 21.60 106.63 17 27 38 4827.9 32.28 241.24

DIFFERENTIAL CORRECTIONS

TDE 1.1967 TRA-1.0242 TC3 .6018 BAU .2196
 RDE .5430 RRA -.3446 RC3 .6944 FAU .06222
 FDE-3.8307 FRA 1.9608 FC3-3.0137 BSP 8464
 BDE 1.3141 BRA 1.0806 BC3 .9189 FSP -1738

MID-COURSE EXECUTION ACCURACY

SGT 2365.9 SGR 1092.2 SG3 569.0
 RRT .9301 RRF -.9817 RTF -.9564
 SGB 2605.8 R23 -.1906 R13 -.9702
 SG1 2579.7 SG2 367.9 TMA 23.75

ORBIT DETERMINATION ACCURACY

ST 1695.3 SR 754.6 SS 2364.8
 CRT .9972 CRS .9991 CST .9933
 LSA 3001.7 MSA 159.1 SSA 7.9
 EL1 1855.0 EL2 51.6 ALF 23.96

LAUNCH DATE MAY 12 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 369.097

RL 151.12 LAL -0.00 LOL 230.60 VL 26.890 GAL 3.77 AZL 96.40 HCA 156.19 SMA 128.44 ECC .18814 INC 6.403H VI 29.483
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.825 GAP -6.10 AZP 84.14 TAL 163.30 TAP 319.49 RCA 104.27 APO 152.60 V2 34.964
 RC 60.521 GL -43.67 GP 28.18 ZAL 71.46 ZAP 41.75 ETS 322.53 ZAE 136.55 ETE 51.78 ZAC 83.94 ETC 12.34 CLP -32.18

PLANETOCENTRIC CONIC

C3 18.786 VHL 4.334 DLA -34.55 RAL 148.72 RAD 6567.8 VEL 11.839 PTH 2.10 VHP 5.053 CPA 30.64 RAP 189.34 ECC 1.3092
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.32 9 25 4 1366.06 24.12 1.71 18.15 115.53 9 47 50 766.1 27.35 354.00
 110.68 14 32 27 5677.11 24.13 266.65 18.16 115.52 16 7 4 5077.1 27.36 258.94
 69.32 9 25 4 1366.06 24.12 1.71 18.15 115.53 9 47 50 766.1 27.35 354.00
 110.68 14 32 27 5677.11 24.13 266.65 18.16 115.52 16 7 4 5077.1 27.36 258.94
 69.32 9 25 4 1366.06 24.12 1.71 18.15 115.53 9 47 50 766.1 27.35 354.00
 110.68 14 32 27 5677.11 24.13 266.65 18.16 115.52 16 7 4 5077.1 27.36 258.94

DIFFERENTIAL CORRECTIONS

TDE 1.2581 TRA -.9724 TC3 .5605 BAU .2357
 RDE .7450 RRA -.3883 RC3 .7527 FAU .06359
 FDE-4.2691 FRA 1.9341 FC3-2.9304 BSP 8708
 BDE 1.4621 BRA 1.0470 BC3 .9384 FSP -1841

MID-COURSE EXECUTION ACCURACY

SGT 2331.8 SGR 1335.6 SG3 598.2
 RRT .9399 RRF -.9894 RTF -.957H
 SGB 2687.3 R23 -.1804 R13 -.9762
 SG1 2657.3 SG2 400.1 TMA 29.02

ORBIT DETERMINATION ACCURACY

ST 1727.8 SR 1002.6 SS 2497.5
 CRT .9962 CRS .9997 CST .993H
 LSA 3194.2 MSA 158.0 SSA 6.9
 EL1 1996.1 EL2 75.8 ALF 30.08

LAUNCH DATE MAY 12 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 375.667

RL 151.12 LAL -0.00 LOL 230.60 VL 26.933 GAL 3.66 AZL 96.98 HCA 159.37 SMA 128.73 ECC .18500 INC 6.9821 VI 29.483
 RP 108.35 LAP -2.45 LOP 30.11 VP 37.668 GAP -5.56 AZP 83.46 TAL 163.47 TAP 322.84 RCA 104.91 APO 152.54 V2 34.977
 RC 62.420 GL -46.50 GP 33.23 ZAL 72.84 ZAP 46.90 ETS 321.57 ZAE 133.11 ETE 55.24 ZAC 82.72 ETC 11.65 CLP -35.23

PLANETOCENTRIC CONIC

C3 20.289 VHL 4.504 DLA -36.81 RAL 146.53 RAD 6567.8 VEL 11.903 PTH 2.11 VHP 5.003 CPA 35.00 RAP 192.36 ECC 1.3339
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 65.43 8 54 39 1449.11 24.99 8.81 17.97 117.95 9 18 48 849.1 28.52 1.18
 114.57 14 45 22 5630.54 25.01 263.43 17.98 117.94 16 19 12 5030.5 28.54 255.80
 65.43 8 54 39 1449.11 24.99 8.81 17.97 117.95 9 18 48 849.1 28.52 1.18
 114.57 14 45 22 5630.54 25.01 263.43 17.98 117.94 16 19 12 5030.5 28.54 255.80
 65.43 8 54 39 1449.11 24.99 8.81 17.97 117.95 9 18 48 849.1 28.52 1.18
 114.57 14 45 22 5630.54 25.01 263.43 17.98 117.94 16 19 12 5030.5 28.54 255.80

DIFFERENTIAL CORRECTIONS

TDE 1.3399 TRA -.9151 TC3 .5058 BAU .2571
 RDE 1.0237 RRA -.4353 RC3 .8017 FAU .06312
 FDE-4.7042 FRA 1.8321 FC3-2.6935 BSP 9213
 BDE 1.6862 BRA 1.0133 BC3 .9480 FSP -1914

MID-COURSE EXECUTION ACCURACY

SGT 2286.1 SGR 1641.8 SG3 611.9
 RRT .9469 RRF -.9939 RTF -.9595
 SGB 2814.5 R23 -.1588 R13 -.9828
 SG1 2780.9 SG2 434.1 TMA 35.20

ORBIT DETERMINATION ACCURACY

ST 1759.3 SR 1318.8 SS 2613.9
 CRT .9957 CRS .9999 CST .9944
 LSA 3412.1 MSA 156.1 SSA 5.9
 EL1 2196.6 EL2 98.0 ALF 36.82

LAUNCH DATE MAY 12 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 382.213

RL 151.12 LAL -0.00 LOL 230.60 VL 26.972 GAL 3.56 AZL 97.76 HCA 162.56 SMA 128.99 ECC .18223 INC 7.7618 VI 29.483
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.707 GAP -5.03 AZP 82.59 TAL 163.62 TAP 326.18 RCA 105.48 APO 152.49 V2 34.990
 RC 64.367 GL -49.66 GP 39.47 ZAL 74.36 ZAP 52.76 ETS 320.56 ZAE 128.51 ETE 58.89 ZAC 81.40 ETC 10.70 CLP -38.37

PLANETOCENTRIC CONIC

C3 22.752 VHL 4.770 DLA -39.31 RAL 143.99 RAD 6567.9 VEL 12.005 PTH 2.14 VHP 5.079 CPA 40.34 RAP 196.44 ECC 1.3744
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 61.51 8 24 58 1533.44 25.58 16.11 18.19 120.93 8 50 31 933.4 29.48 8.65
 118.49 14 54 48 5601.43 25.60 261.40 18.20 120.91 16 28 9 5001.4 29.49 253.94
 61.51 8 24 58 1533.44 25.58 16.11 18.19 120.93 8 50 31 933.4 29.48 8.65
 118.49 14 54 48 5601.43 25.60 261.40 18.20 120.91 16 28 9 5001.4 29.49 253.94
 61.51 8 24 58 1533.44 25.58 16.11 18.19 120.93 8 50 31 933.4 29.48 8.65
 118.49 14 54 48 5601.43 25.60 261.40 18.20 120.91 16 28 9 5001.4 29.49 253.94

DIFFERENTIAL CORRECTIONS

TDE 1.4911 TRA -.8203 TC3 .4983 BAU .3007
 RDE 1.4321 RRA -.4610 RC3 .8539 FAU .06245
 FDE-5.1264 FRA 1.5647 FC3-2.3763 BSP 10945
 BDE 2.0674 BRA .9410 BC3 .9886 FSP -2049

MID-COURSE EXECUTION ACCURACY

SGT 2248.5 SGR 2033.4 SG3 604.5
 RRT .9579 RRF -.9965 RTF -.9662
 SGB 3031.6 R23 -.1194 R13 -.9901
 SG1 2999.8 SG2 437.6 TMA 42.00

ORBIT DETERMINATION ACCURACY

ST 1831.5 SR 1733.7 SS 2721.1
 CRT .9963 CRS 1.0000 CST .9957
 LSA 3707.2 MSA 144.5 SSA 5.0
 EL1 2519.6 EL2 108.5 ALF 43.42

LAUNCH DATE MAY 12 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 388.748

RL 151.12 LAL -0.00 LOL 230.60 VL 27.005 GAL 3.49 AZL 98.88 HCA 165.75 SMA 129.21 ECC .17983 INC 8.8783 VI 29.483
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.743 GAP -4.52 AZP 81.39 TAL 163.73 TAP 329.47 RCA 105.98 APO 152.45 V2 35.003
 RC 66.356 GL -53.22 GP 47.14 ZAL 76.07 ZAP 59.33 ETS 319.49 ZAE 122.41 ETE 62.27 ZAC 79.87 ETC 9.25 CLP -41.43

PLANETOCENTRIC CONIC

C3 26.981 VHL 5.194 DLA -42.09 RAL 140.97 RAD 6568.1 VEL 12.180 PTH 2.19 VHP 5.370 CPA 46.64 RAP 202.48 ECC 1.4440
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.45 7 54 51 1625.90 25.59 24.03 18.94 124.64 8 21 57 1025.9 29.94 16.86
 122.55 15 0 52 5592.82 25.60 260.67 18.95 124.63 16 34 5 4992.8 29.95 253.49
 57.45 7 54 51 1625.90 25.59 24.03 18.94 124.64 8 21 57 1025.9 29.94 16.86
 122.55 15 0 52 5592.82 25.60 260.67 18.95 124.63 16 34 5 4992.8 29.95 253.49
 57.45 7 54 51 1625.90 25.59 24.03 18.94 124.64 8 21 57 1025.9 29.94 16.86
 122.55 15 0 52 5592.82 25.60 260.67 18.95 124.63 16 34 5 4992.8 29.95 253.49

DIFFERENTIAL CORRECTIONS

TDE 1.5898 TRA -.8382 TC3 .2861 BAU .2899
 RDE 1.9589 RRA -.5337 RC3 .7509 FAU .04800
 FDE-5.1713 FRA 1.3894 FC3-1.5402 BSP 10076
 BDE 2.5229 BRA .9937 BC3 .8036 FSP -1651

MID-COURSE EXECUTION ACCURACY

SGT 2171.6 SGR 2430.4 SG3 542.1
 RRT .9491 RRF -.9976 RTF -.9579
 SGB 3259.3 R23 -.1060 R13 -.9926
 SG1 3218.1 SG2 516.4 TMA 48.39

ORBIT DETERMINATION ACCURACY

ST 1793.0 SR 2174.0 SS 2662.4
 CRT .9950 CRS 1.0000 CST .9948
 LSA 3873.5 MSA 160.9 SSA 4.2
 EL1 2814.6 EL2 138.9 ALF 50.51

LAUNCH DATE MAY 12 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC
 RL 151.12 LAL -.00 LOL 230.60 VL 27.035 GAL 3.42 AZL 100.62 HCA 168.93 SMA 129.41 ECC .17775 INC10.6216 V1 29.483
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.777 GAP -4.02 AZP 79.57 TAL 163.81 TAP 332.74 RCA 106.41 APO 152.42 V2 35.016
 RC 68.382 GL -57.26 GP 56.44 ZAL 78.08 ZAP 66.56 ETS 318.11 ZAE 114.45 ETE 64.59 ZAC 78.03 ETC 6.66 CLP -43.98

DISTANCE 395.247

PLANETOCENTRIC CONIC
 C3 34.974 VHL 5.914 CLA -45.15 RAL 137.19 RAD 6568.4 VEL 12.504 PTH 2.28 VHP 6.064 DPA 53.58 RAP 212.21 ECC 1.5756
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 53.24 7 22 58 1735.71 24.43 32.93 20.31 129.23 7 51 54 1135.7 29.32 26.24
 126.76 15 2 31 5613.21 24.44 261.54 20.32 129.22 16 36 4 5013.2 29.33 254.85
 53.24 7 22 58 1735.71 24.43 32.93 20.31 129.23 7 51 54 1135.7 29.32 26.24
 126.76 15 2 31 5613.21 24.44 261.54 20.32 129.22 16 36 4 5013.2 29.33 254.85
 53.24 7 22 58 1735.71 24.43 32.93 20.31 129.23 7 51 54 1135.7 29.32 26.24
 126.76 15 2 31 5613.21 24.44 261.54 20.32 129.22 16 36 4 5013.2 29.33 254.85

DIFFERENTIAL CORRECTIONS
 TDE 1.9168 TRA -.8015 TC3 .1921 BAU .2998 SGT 2170.9 SGR 2880.3 SG3 443.5 ST 1886.2 SR 2701.1 SS 2550.4
 ROE 2.7788 RRA -.5273 RC3 .6117 FAU .03412 RRT .9534 RRF -.9983 RTF -.9620 CRT .9954 CRS 1.0000 CST .9957
 FDE-5.0066 FRA .9815 FC3 -.8447 BSP 11302 SGB 3606.8 R23 -.0756 R13 -.9960 LSA 4163.3 MSA 158.6 SSA 3.3
 BOE 3.3758 BRA .9594 BC3 .6411 FSP -1363 SGI 3567.9 SG2 528.6 TMA 53.36 EL1 3291.2 EL2 147.8 ALF 55.12

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 12 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC
 RL 151.12 LAL -.00 LOL 230.60 VL 27.060 GAL 3.37 AZL 103.74 HCA 172.09 SMA 129.59 ECC .17602 INC13.7443 V1 29.483
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.807 GAP -3.54 AZP 76.38 TAL 163.85 TAP 335.94 RCA 106.78 APO 152.40 V2 35.029
 RC 70.443 GL -61.70 GP 67.51 ZAL 80.52 ZAP 74.09 ETS 314.30 ZAE 104.35 ETE 63.23 ZAC 75.64 ETC .37 CLP -44.23

DISTANCE 401.709

PLANETOCENTRIC CONIC
 C3 53.136 VHL 7.289 CLA -48.26 RAL 132.30 RAD 6568.9 VEL 13.210 PTH 2.41 VHP 7.645 DPA 59.87 RAP 229.10 ECC 1.8745
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.14 6 48 48 1877.88 20.88 42.98 22.38 134.56 7 20 6 1277.9 26.37 37.04
 130.86 14 57 42 5681.26 20.89 264.54 22.40 134.55 16 32 23 5081.3 26.38 258.60
 49.14 6 48 48 1877.88 20.88 42.98 22.38 134.56 7 20 6 1277.9 26.37 37.04
 130.86 14 57 42 5681.26 20.89 264.54 22.40 134.55 16 32 23 5081.3 26.38 258.60
 49.14 6 48 48 1877.88 20.88 42.98 22.38 134.56 7 20 6 1277.9 26.37 37.04
 130.86 14 57 42 5681.26 20.89 264.54 22.40 134.55 16 32 23 5081.3 26.38 258.60

DIFFERENTIAL CORRECTIONS
 TDE 2.7644 TRA -.8174 TC3 .0935 BAU .2536 SGT 2381.4 SGR 3198.2 SG3 306.5 ST 2192.0 SR 3125.2 SS 2293.4
 ROE 3.9718 RRA -.4064 RC3 .3446 FAU .01595 RRT .9604 RRF -.9982 RTF -.9721 CRT .9963 CRS .9999 CST .9971
 FDE-4.4107 FRA .5514 FC3 -.2599 BSP 12394 SGB 3987.4 R23 -.0514 R13 -.9980 LSA 4450.4 MSA 159.1 SSA 2.3
 BOE 4.8391 BRA .9129 BC3 .3570 FSP -929 SGI 3951.1 SG2 536.9 TMA 53.65 EL1 3814.2 EL2 155.0 ALF 54.99

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 12 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC
 RL 151.12 LAL -.00 LOL 230.60 VL 27.081 GAL 3.35 AZL 110.94 HCA 175.20 SMA 129.73 ECC .17465 INC20.9383 V1 29.483
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.835 GAP -3.08 AZP 69.13 TAL 163.81 TAP 339.01 RCA 107.08 APO 152.39 V2 35.042
 RC 72.534 GL -65.54 GP 80.20 ZAL 83.56 ZAP 81.25 ETS 282.05 ZAE 91.25 ETE 31.94 ZAC 71.98 ETC 323.65 CLP -26.66

DISTANCE 408.090

PLANETOCENTRIC CONIC
 C3 112.657 VHL 10.614 CLA -50.26 RAL 126.38 RAD 6570.1 VEL 15.297 PTH 2.74 VHP 11.809 DPA 61.92 RAP 257.30 ECC 2.8540
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 46.57 6 16 44 2070.53 12.84 53.27 25.44 139.03 6 51 14 1470.5 18.82 48.15
 133.43 14 42 34 5833.22 12.86 270.76 25.46 139.02 16 19 47 5233.2 18.83 265.65
 46.57 6 16 44 2070.53 12.84 53.27 25.44 139.03 6 51 14 1470.5 18.82 48.15
 133.43 14 42 34 5833.22 12.86 270.76 25.46 139.02 16 19 47 5233.2 18.83 265.65
 46.57 6 16 44 2070.53 12.84 53.27 25.44 139.03 6 51 14 1470.5 18.82 48.15
 133.43 14 42 34 5833.22 12.86 270.76 25.46 139.02 16 19 47 5233.2 18.83 265.65

DIFFERENTIAL CORRECTIONS
 TDE 6.9261 TRA -.8220 TC3 -.0274 BAU .0568 SGT 3803.1 SGR 2062.6 SG3 167.7 ST 3744.6 SR 2042.7 SS 1972.0
 ROE 3.7806 RRA .3483 RC3 .0298 FAU-.00272 RRT .9463 RRF -.9712 RTF -.9958 CRT .9951 CRS .9975 CST .9996
 FDE-3.5789 FRA .2120 FC3 .0209 BSP 13620 SGB 4326.5 R23 -.0169 R13 -.9997 LSA 4696.0 MSA 177.4 SSA 1.1
 BOE 7.8907 BRA .8928 BC3 .0377 FSP -510 SGI 4285.8 SG2 .591.9 TMA 27.74 EL1 4261.9 EL2 177.1 ALF 28.55

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 12 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC
 RL 151.12 LAL -.00 LOL 230.60 VL 27.099 GAL 3.41 AZL 140.50 HCA 178.00 SMA 129.86 ECC .17395 INC50.4941 V1 29.483
 RP 108.10 LAP -1.55 LOP 49.32 VP 37.860 GAP -2.72 AZP 39.52 TAL 163.43 TAP 341.42 RCA 107.27 APO 152.45 V2 35.056
 RC 74.652 GL -59.42 GP 70.97 ZAL 87.12 ZAP 86.96 ETS 183.44 ZAE 67.66 ETE 294.35 ZAC 62.76 ETC 214.72 CLP 80.63

DISTANCE 414.078

PLANETOCENTRIC CONIC
 C3 587.717 VHL 24.243 CLA -42.65 RAL 125.11 RAD 6572.5 VEL 26.627 PTH 3.38 VHP 29.473 DPA 48.32 RAP 293.32 ECC10.6723
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 56.67 6 48 19 2199.62 1.13 53.24 33.87 132.64 7 24 58 1599.6 6.53 47.75
 123.33 14 0 52 860.70 1.14 310.42 33.89 132.64 14 15 13 260.7 6.55 304.92
 56.67 6 48 19 2199.62 1.13 53.24 33.87 132.64 7 24 58 1599.6 6.53 47.75
 123.33 14 0 52 860.70 1.14 310.42 33.89 132.64 14 15 13 260.7 6.55 304.92
 56.67 6 48 19 2199.62 1.13 53.24 33.87 132.64 7 24 58 1599.6 6.53 47.75
 123.33 14 0 52 860.70 1.14 310.42 33.89 132.64 14 15 13 260.7 6.55 304.92

DIFFERENTIAL CORRECTIONS
 TDE 7.6602 TRA 1.3892 TC3 -.1153 BAU-2.3143 SGT 1946.6 SGR 3809.7 SG3 79.3 ST 1815.4 SR 3545.2 SS 2198.8
 RO-14.9864 RRA 1.5307 RC3 .2710 FAU-.04200 RRT -.9341 RRF .9993 RTF -.9451 CRT -.9933 CRS-1.0000 CST .9944
 FDE-3.6514 FRA .2845 FC3 .0619 BSP 12383 SGB 4278.2 R23 -.0399 R13 .9991 LSA 4545.7 MSA 188.3 SSA 1.1
 BOE16.8306 BRA 2.0671 BC3 .2945 FSP -228 SGI 4232.2 SG2 625.6 TMA 116.13 EL1 3978.6 EL2 186.4 ALF 117.03

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 12 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 421.880

RL 151.12 LAL -.00 LOL 230.60 VL 27.114 GAL 3.15 AZL 54.59 MCA 182.37 SMA 129.96 ECC .17167 INC35.4087 V1 29.483
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.882 GAP -1.92 AZP 125.39 TAL 164.48 TAP 346.85 RCA 107.65 APO 152.26 V2 35.069
 RC 76.795 GL 64.46 GP -76.79 ZAL 86.38 ZAP 87.55 ETS 158.95 ZAE 83.53 ETE 52.25 ZAC 94.95 ETC 124.17 CLP 79.23

PLANETOCENTRIC CONIC

C3 302.259 VHL 17.386 DLA 66.36 RAL 202.80 RAD 6571.7 VEL 20.581 PTH 3.17 VMP 24.205 DPA -74.63 RAP 68.82 ECC 5.9744
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 27.10 22 27 58 4975.48 -5.44 242.64 110.42 23.75 23 50 54 4375.5 -12.75 239.76
 152.90 8 41 0 3247.76 -5.43 97.15 110.40 23.75 9 35 8 2647.8 -12.74 94.27
 27.10 22 27 58 4975.48 -5.44 242.64 110.42 23.75 23 50 54 4375.5 -12.75 239.76
 152.90 8 41 0 3247.76 -5.43 97.15 110.40 23.75 9 35 8 2647.8 -12.74 94.27
 27.10 22 27 58 4975.48 -5.44 242.64 110.42 23.75 23 50 54 4375.5 -12.75 239.76
 152.90 8 41 0 3247.76 -5.43 97.15 110.40 23.75 9 35 8 2647.8 -12.74 94.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -1.4779 TRA -3.0369 TC3 -.1517 BAU 1.0182 SGT 2597.0 SGR 3797.3 SG3 87.1 ST 893.3 SR 1169.4 SS 624.0
 ROE 1.0708 RRA -4.5211 RC3 -.2012 FAU -.01871 RRT .9603 RRF -.9976 RTF -.9771 CRT .6347 CRS .9750 CST .7905
 FDE -.0746 FRA 1.2059 FC3 .0536 BSP 12622 SGB 4600.4 R23 -.0204 R13 -.9998 LSA 1480.7 MSA 602.0 SSA .4
 BOE 1.8250 BRA 5.4464 BC3 .2520 FSP -247 SG1 4560.7 SG2 602.9 TMA 56.03 EL1 1343.3 EL2 601.0 ALF 56.62

LAUNCH DATE MAY 12 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 427.961

RL 151.12 LAL -.00 LOL 230.60 VL 27.125 GAL 3.21 AZL 76.87 MCA 185.28 SMA 130.03 ECC .17135 INC13.1282 V1 29.483
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.902 GAP -1.54 AZP 103.07 TAL 164.13 TAP 349.41 RCA 107.75 APO 152.31 V2 35.082
 RC 78.958 GL 61.76 GP -81.86 ZAL 80.70 ZAP 85.76 ETS 128.02 ZAE 102.80 ETE 283.98 ZAC 103.83 ETC .62 CLP -58.54

PLANETOCENTRIC CONIC

C3 48.760 VHL 6.983 DLA 60.56 RAL 204.78 RAD 6568.8 VEL 13.043 PTH 2.38 VMP 10.711 DPA -62.98 RAP 115.85 ECC 1.8025
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 33.94 22 52 5 4595.32 -25.81 226.71 98.95 33.09 24 8 40 3995.3 -32.42 221.96
 146.06 8 32 42 2921.05 -25.81 89.12 98.93 33.09 9 21 23 2321.0 -32.41 84.37
 33.94 22 52 5 4595.32 -25.81 226.71 98.95 33.09 24 8 40 3995.3 -32.42 221.96
 146.06 8 32 42 2921.05 -25.81 89.12 98.93 33.09 9 21 23 2321.0 -32.41 84.37
 33.94 22 52 5 4595.32 -25.81 226.71 98.95 33.09 24 8 40 3995.3 -32.42 221.96
 146.06 8 32 42 2921.05 -25.81 89.12 98.93 33.09 9 21 23 2321.0 -32.41 84.37

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7724 TRA -.4235 TC3 .0053 BAU .3100 SGT 949.5 SGR 4625.0 SG3 186.7 ST 668.3 SR 1380.2 SS 611.1
 ROE -.1761 RRA 2.7405 RC3 -.4755 FAU .01370 RRT -.7585 RRF .9988 RTF -.7866 CRT -.4149 CRS -.9880 CST .5502
 FDE -.2067 FRA 1.2742 FC3 -.2432 BSP 14469 SGB 4721.4 R23 .0239 R13 .9995 LSA 1540.1 MSA 594.3 SSA 1.2
 BOE .7923 BRA 2.7731 BC3 .4755 FSP -.591 SG1 4681.7 SG2 611.3 TMA 99.01 EL1 1413.9 EL2 593.6 ALF 103.85

LAUNCH DATE MAY 12 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 434.283

RL 151.12 LAL -.00 LOL 230.60 VL 27.133 GAL 3.24 AZL 83.03 MCA 188.42 SMA 130.09 ECC .17102 INC 6.9699 V1 29.483
 RP 107.98 LAP -1.02 LOP 58.96 VP 37.920 GAP -1.11 AZP 96.90 TAL 163.94 TAP 352.36 RCA 107.84 APO 152.34 V2 35.094
 RC 81.139 GL 49.26 GP -71.09 ZAL 74.73 ZAP 85.84 ETS 12.96 ZAE 113.65 ETE 270.60 ZAC 107.82 ETC 352.55 CLP -77.08

PLANETOCENTRIC CONIC

C3 18.825 VHL 4.539 DLA 49.91 RAL 192.59 RAD 6567.8 VEL 11.841 PTH 2.10 VMP 7.052 DPA -53.47 RAP 127.44 ECC 1.3098
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 47.02 22 40 27 4281.06 -33.44 200.82 68.83 50.51 23 51 49 3681.1 -38.28 193.37
 132.98 7 7 5 2763.09 -33.43 81.13 68.82 50.50 7 53 9 2163.1 -38.27 73.69
 47.02 22 40 27 4281.06 -33.44 200.82 68.83 50.51 23 51 49 3681.1 -38.28 193.37
 132.98 7 7 5 2763.09 -33.43 81.13 68.82 50.50 7 53 9 2163.1 -38.27 73.69
 47.02 22 40 27 4281.06 -33.44 200.82 68.83 50.51 23 51 49 3681.1 -38.28 193.37
 132.98 7 7 5 2763.09 -33.43 81.13 68.82 50.50 7 53 9 2163.1 -38.27 73.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3996 TRA .1081 TC3 -.3276 BAU .4583 SGT 639.1 SGR 4570.5 SG3 350.8 ST 531.9 SR 1299.4 SS 692.8
 ROE .1222 RRA 2.0947 RC3 -1.7911 FAU .03682 RRT .5063 RRF .9995 RTF .4939 CRT .2477 CRS -.9965 CST -.1665
 FDE .0357 FRA 1.8456 FC3 -1.6932 BSP 14186 SGB 4615.0 R23 .0228 R13 .9993 LSA 1477.5 MSA 518.2 SSA 2.2
 BOE .4179 BRA 2.0975 BC3 1.8208 FSP -1110 SG1 4582.1 SG2 549.7 TMA 85.89 EL1 1307.3 EL2 512.3 ALF 83.15

LAUNCH DATE MAY 12 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 440.638

RL 151.12 LAL -.00 LOL 230.60 VL 27.139 GAL 3.27 AZL 85.85 MCA 191.60 SMA 130.13 ECC .17089 INC 4.1537 V1 29.483
 RP 107.94 LAP -.83 LOP 62.17 VP 37.935 GAP -.68 AZP 94.07 TAL 163.75 TAP 355.35 RCA 107.89 APO 152.37 V2 35.107
 RC 83.336 GL 35.85 GP -62.55 ZAL 69.78 ZAP 87.62 ETS 5.63 ZAE 121.74 ETE 263.68 ZAC 110.90 ETC 351.57 CLP -84.84

PLANETOCENTRIC CONIC

C3 11.231 VHL 3.351 DLA 38.04 RAL 183.72 RAD 6567.4 VEL 11.516 PTH 2.01 VMP 5.476 DPA -45.43 RAP 132.66 ECC 1.1848
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.46 23 11 6 3989.98 -29.85 172.07 46.56 65.24 24 17 36 3390.0 -32.92 163.83
 116.54 5 25 39 2825.18 -29.84 84.03 46.55 65.23 6 12 44 2225.2 -32.91 75.79
 63.46 23 11 6 3989.98 -29.85 172.07 46.56 65.24 24 17 36 3390.0 -32.92 163.83
 116.54 5 25 39 2825.18 -29.84 84.03 46.55 65.23 6 12 44 2225.2 -32.91 75.79
 63.46 23 11 6 3989.98 -29.85 172.07 46.56 65.24 24 17 36 3390.0 -32.92 163.83
 116.54 5 25 39 2825.18 -29.84 84.03 46.55 65.23 6 12 44 2225.2 -32.91 75.79

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2602 TRA .2813 TC3 -.9953 BAU .4868 SGT 1007.8 SGR 4317.6 SG3 541.0 ST 481.5 SR 1141.2 SS 770.9
 ROE .0466 RRA 1.7455 RC3 -3.0858 FAU .06067 RRT .8569 RRF .9993 RTF .8523 CRT .4457 CRS -.9949 CST -.3536
 FDE -.0293 FRA 2.4967 FC3 -4.6767 BSP 13776 SGB 4433.6 R23 .0313 R13 .9989 LSA 1391.9 MSA 437.2 SSA 3.5
 BOE .2643 BRA 1.7680 BC3 3.2424 FSP -1732 SG1 4404.3 SG2 509.3 TMA 78.53 EL1 1164.3 EL2 422.5 ALF 77.71

LAUNCH DATE MAY 12 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 446.991

RL 151.12 LAL -.00 LOL 230.60 VL 27.142 GAL 3.32 AZL 87.46 MCA 194.80 SMA 130.15 ECC .17096 INC 2.5391 V1 29.483
 RP 107.91 LAP -.65 LOP 65.39 VP 37.949 GAP -.24 AZP 92.46 TAL 163.54 TAP 358.34 RCA 107.90 APO 152.40 V2 35.119
 RC 85.546 GL 24.10 GP -55.43 ZAL 66.36 ZAP 90.69 ETS .17 ZAE 128.01 ETE 257.04 ZAC 113.68 ETC 351.76 CLP -91.21

PLANETOCENTRIC CONIC

C3 8.643 VML 2.940 CLA 27.29 RAL 178.02 RAD 6567.3 VEL 11.403 PTH 1.97 VMP 4.647 DPA -38.40 RAP 135.31 ECC 1.1422
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 4 39 3136.91 -26.86 106.29 34.76 80.69 3 56 56 2536.9 -27.88 97.77
 90.00 0 50 33 3574.37 -18.69 135.62 32.31 68.34 1 50 8 2974.4 -21.47 128.05
 100.00 5 3 26 2753.96 -29.44 78.48 35.14 84.58 5 49 20 2154.0 -29.88 69.71
 100.00 1 34 27 3432.55 -16.31 124.12 31.22 64.60 2 31 39 2832.5 -19.60 116.87
 110.00 7 9 4 2360.80 -34.14 48.80 35.31 91.85 7 48 23 1760.8 -33.51 39.62
 110.00 1 45 18 3398.47 -12.19 119.21 28.89 57.82 2 41 57 2798.5 -16.36 112.57

DIFFERENTIAL CORRECTIONS

TDE .1397 TRA .4187 TC3-1.8162 BAU .4871
 RDE -.1004 RRA 1.5130 RC3-3.8042 FAU .08232
 FDE -.3549 FRA 3.1197 FC3-8.2464 BSP 13168
 BDE .1720 BRA 1.5699 BC3 4.2155 FSP -2329

MID-COURSE EXECUTION ACCURACY

SGT 1434.4 SGR 4006.2 SG3 727.0
 RRT .9365 RRF .9992 RTF .9339
 SGB 4255.3 R23 .0435 R13 .9982
 SG1 4228.5 SG2 476.5 THA 71.22

ORBIT DETERMINATION ACCURACY

ST 388.6 SR 1016.6 SS 871.6
 CRT .5646 CRS -.9915 CST -.4525
 LSA 1352.4 MSA 339.6 SSA 5.4
 EL1 1042.5 EL2 312.8 ALF 76.59

LAUNCH DATE MAY 12 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 453.333

RL 151.12 LAL -.00 LOL 230.60 VL 27.142 GAL 3.37 AZL 88.51 MCA 198.01 SMA 130.15 ECC .17125 INC 1.4880 V1 29.483
 RP 107.87 LAP -.46 LOP 68.60 VP 37.960 GAP .19 AZP 91.42 TAL 163.28 TAP 1.29 RCA 107.87 APO 152.44 V2 35.131
 RC 87.767 GL 14.71 GP -49.32 ZAL 64.22 ZAP 94.62 ETS 355.86 ZAE 132.76 ETE 249.92 ZAC 116.26 ETC 352.42 CLP -97.10

PLANETOCENTRIC CONIC

C3 7.680 VML 2.771 CLA 18.51 RAL 174.33 RAD 6567.3 VEL 11.361 PTH 1.96 VMP 4.170 DPA -32.17 RAP 136.63 ECC 1.1264
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 8 39 2628.79 -26.99 69.45 26.89 98.89 5 52 28 2028.8 -25.49 61.11
 90.00 22 13 10 4038.54 -5.15 162.95 23.11 62.12 23 20 29 3438.5 -8.84 156.22
 100.00 6 41 8 2330.54 -28.05 47.30 26.68 100.77 7 19 59 1730.5 -26.28 38.95
 100.00 23 23 22 3812.03 -4.21 145.78 22.59 60.38 24 26 54 3212.0 -8.12 139.18
 110.00 8 13 39 2041.07 -30.75 24.59 25.95 105.72 8 47 41 1441.1 -28.29 16.26
 110.00 0 11 16 3674.26 -1.86 133.87 21.13 55.86 1 12 30 3074.3 -6.32 127.63

DIFFERENTIAL CORRECTIONS

TDE .0131 TRA .5497 TC3-2.6004 BAU .4857
 RDE -.2241 RRA 1.3292 RC3-3.9513 FAU .10046
 FDE -.8346 FRA 3.6420 FC-11.3244 BSP 12699
 BDE .2245 BRA 1.4384 BC3 4.7302 FSP -2857

MID-COURSE EXECUTION ACCURACY

SGT 1874.7 SGR 3661.9 SG3 887.1
 RRT .9639 RRF .9989 RTF .9620
 SGB 4113.9 R23 .0579 R13 .9972
 SG1 4089.5 SG2 446.9 THA 63.39

ORBIT DETERMINATION ACCURACY

ST 363.1 SR 987.3 SS 1062.0
 CRT .8449 CRS -.9906 CST -.7643
 LSA 1476.4 MSA 233.6 SSA 8.3
 EL1 1035.6 EL2 185.2 ALF 72.15

LAUNCH DATE MAY 12 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 459.661

RL 151.12 LAL -.00 LOL 230.60 VL 27.141 GAL 3.44 AZL 89.25 MCA 201.23 SMA 130.14 ECC .17175 INC .7466 V1 29.483
 RP 107.83 LAP -.27 LOP 71.82 VP 37.970 GAP .62 AZP 90.70 TAL 162.99 TAP 4.22 RCA 107.79 APO 152.49 V2 35.143
 RC 89.996 GL 7.47 GP -44.00 ZAL 62.89 ZAP 99.08 ETS 352.45 ZAE 136.14 ETE 242.35 ZAC 118.63 ETC 353.40 CLP -102.67

PLANETOCENTRIC CONIC

C3 7.372 VML 2.715 CLA 11.63 RAL 171.90 RAD 6567.2 VEL 11.347 PTH 1.96 VMP 3.889 DPA -26.64 RAP 137.25 ECC 1.1213
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 2 38 2373.67 -23.08 51.82 21.72 106.87 6 42 12 1773.7 -20.56 44.06
 90.00 20 59 49 4278.87 2.58 176.38 19.16 61.79 22 11 8 3678.9 -1.21 169.75
 100.00 7 29 52 2092.34 -23.92 30.83 21.43 108.48 8 4 44 1492.3 -21.18 23.11
 100.00 22 15 16 4035.44 3.35 158.06 18.73 60.28 23 22 32 3435.4 -.63 151.53
 110.00 8 51 26 1837.11 -26.13 10.53 20.51 112.86 9 22 3 1237.1 -22.81 2.95
 110.00 23 10 12 3863.43 5.36 143.76 17.48 56.19 24 14 35 3263.4 .88 137.54

DIFFERENTIAL CORRECTIONS

TDE -.1237 TRA .6771 TC3-3.2700 BAU .4895
 RDE -.3055 RRA 1.1745 RC3-3.7388 FAU .11407
 FDE -1.3615 FRA 4.0357 FC-13.3964 BSP 12448
 BDE .3296 BRA 1.3557 BC3 4.9670 FSP -3280

MID-COURSE EXECUTION ACCURACY

SGT 2312.9 SGR 3307.6 SG3 1010.5
 RRT .9758 RRF .9984 RTF .9742
 SGB 4036.0 R23 .0719 R13 .9959
 SG1 4014.4 SG2 416.9 THA 55.26

ORBIT DETERMINATION ACCURACY

ST 512.4 SR 997.7 SS 1305.8
 CRT .9854 CRS -.9916 CST -.9557
 LSA 1714.0 MSA 158.9 SSA 12.1
 EL1 1118.9 EL2 77.8 ALF 63.02

LAUNCH DATE MAY 12 1967

FLIGHT TIME 172.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 465.973

RL 151.12 LAL -.00 LOL 230.60 VL 27.137 GAL 3.52 AZL 89.81 MCA 204.45 SMA 130.12 ECC .17245 INC .1918 V1 29.483
 RP 107.80 LAP -.08 LOP 75.05 VP 37.978 GAP 1.04 AZP 90.18 TAL 162.66 TAP 7.10 RCA 107.68 APO 152.55 V2 35.154
 RC 92.232 GL 1.92 GP -39.33 ZAL 61.98 ZAP 103.78 ETS 349.79 ZAE 138.27 ETE 234.60 ZAC 120.74 ETC 354.63 CLP -107.94

PLANETOCENTRIC CONIC

C3 7.370 VML 2.715 CLA 6.26 RAL 170.31 RAD 6567.2 VEL 11.347 PTH 1.96 VMP 3.729 DPA -21.73 RAP 137.48 ECC 1.1213
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 39 0 2199.43 -19.20 40.52 18.82 111.22 7 15 39 1599.4 -16.14 33.18
 90.00 20 10 45 4453.03 8.11 186.19 17.39 62.78 21 24 58 3853.0 4.40 179.48
 100.00 8 3 19 1927.48 -19.96 20.20 18.49 112.72 8 35 26 1327.5 -16.71 12.91
 100.00 21 29 7 4200.22 8.84 167.21 17.00 61.33 22 39 7 3600.2 4.94 160.59
 110.00 9 18 22 1692.60 -21.99 1.36 17.49 116.86 9 46 34 1092.6 -18.21 354.27
 110.00 22 30 33 4007.86 10.76 151.46 15.85 57.36 23 37 21 3407.9 6.38 145.11

DIFFERENTIAL CORRECTIONS

TDE -.2672 TRA .8032 TC3-3.8029 BAU .4998
 RDE -.3487 RRA 1.0419 RC3-3.3570 FAU .12280
 FDE -1.8601 FRA 4.3012 FC-14.4244 BSP 12405
 BDE .4393 BRA 1.3156 BC3 5.0726 FSP -3572

MID-COURSE EXECUTION ACCURACY

SGT 2736.8 SGR 2959.3 SG3 1093.4
 RRT .9818 RRF .9978 RTF .9805
 SGB 4030.8 R23 .0827 R13 .9943
 SG1 4012.5 SG2 383.8 THA 47.28

ORBIT DETERMINATION ACCURACY

ST 764.0 SR 992.5 SS 1544.2
 CRT .9997 CRS -.9923 CST -.9914
 LSA 1984.4 MSA 122.9 SSA 15.4
 EL1 1252.3 EL2 15.9 ALF 52.41

LAUNCH DATE MAY 12 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 472.266

RL 151.12 LAL -.00 LOL 230.60 VL 27.131 GAL 3.62 AZL 90.24 MCA 207.67 SMA 130.08 ECC .17336 INC .2400 VI 29.483
 RP 107.77 LAP .11 LOP 78.27 VP 37.984 GAP 1.47 AZP 89.79 TAL 162.28 TAP 9.95 RCA 107.53 APO 152.63 V2 35.165
 RC 94.474 GL -2.37 GP -35.22 ZAL 61.26 ZAP 108.54 ETS 347.74 ZAE 139.33 ETE 227.11 ZAC 122.55 ETC 356.06 CLP -112.91

PLANETOCENTRIC CONIC

C3 7.532 VML 2.744 DLA 2.02 RAL 169.30 RAD 6567.2 VEL 11.354 PTH 1.96 VHP 3.652 DPA -17.40 RAP 137.55 ECC 1.1240
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 6 49 2070.87 -15.84 32.58 17.31 113.78 7 41 20 1470.9 -12.49 25.51
 90.00 19 34 52 4589.39 12.26 194.06 16.84 64.27 20 51 22 3989.4 8.70 187.19
 100.00 8 29 6 1805.46 -16.58 12.71 16.96 115.23 8 59 12 1205.5 -13.04 5.71
 100.00 20 55 16 4330.04 12.98 174.62 16.47 62.84 22 7 27 3730.0 9.24 167.83
 110.00 9 39 31 1585.08 -18.54 354.93 15.91 119.25 10 5 56 985.1 -14.50 348.14
 110.00 22 1 21 4123.18 -14.91 157.81 15.37 58.88 23 10 5 3523.2 10.68 151.27

DIFFERENTIAL CORRECTIONS

TDE -.4148 TRA .9278 TC3-4.2109 BAU .5161
 RDE -.3623 RRA .9281 RC3-2.9224 FAU .12681
 FDE-2.2845 FRA 4.4522 FC-14.5764 BSP 12572
 BDE .5508 BRA 1.3123 BC3 5.1256 FSP -3734

MID-COURSE EXECUTION ACCURACY

SGT 3138.3 SGR 2627.6 SG3 1137.3
 RRT .9848 RRF .9967 RTF .9840
 SGB 4093.0 R23 .0882 R13 .9929
 SGI 4077.9 SG2 351.7 THA 39.86

ORBIT DETERMINATION ACCURACY

ST 1045.4 SR 955.4 SS 1745.2
 CRT .9978 CRS -.9920 CST -.9978
 LSA 2244.7 MSA 110.4 SSA 17.2
 EL1 1415.4 EL2 46.6 ALF 42.42

LAUNCH DATE MAY 12 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 478.541

RL 151.12 LAL -.00 LOL 230.60 VL 27.124 GAL 3.72 AZL 90.59 MCA 210.90 SMA 130.02 ECC .17447 INC .5888 VI 29.483
 RP 107.73 LAP .30 LOP 81.50 VP 37.988 GAP 1.89 AZP 89.49 TAL 161.87 TAP 12.76 RCA 107.34 APO 152.71 V2 35.175
 RC 96.719 GL -5.72 GP -31.60 ZAL 60.59 ZAP 113.20 ETS 346.18 ZAE 139.54 ETE 220.22 ZAC 124.02 ETC 357.62 CLP -117.55

PLANETOCENTRIC CONIC

C3 7.791 VML 2.791 DLA -1.37 RAL 168.72 RAD 6567.3 VEL 11.366 PTH 1.96 VHP 3.634 DPA -13.59 RAP 137.57 ECC 1.1282
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 29 40 1971.84 -13.04 26.67 16.71 115.36 8 2 32 1371.8 -9.51 19.76
 90.00 19 7 24 4700.74 15.45 200.68 17.04 65.97 20 25 45 4100.7 12.08 193.63
 100.00 8 50 22 1711.50 -13.77 7.15 16.34 116.80 9 18 54 1111.5 -10.07 .32
 100.00 20 29 23 4436.31 16.20 180.88 16.68 64.53 21 43 19 3836.3 12.63 173.90
 110.00 9 57 9 1502.45 -15.73 350.17 15.23 120.75 10 22 12 902.4 -11.53 343.58
 110.00 21 39 5 4218.12 18.17 163.24 15.61 60.54 22 49 23 3618.1 14.11 156.48

DIFFERENTIAL CORRECTIONS

TDE -.5631 TRA 1.0525 TC3-4.5055 BAU .5364
 RDE -.3546 RRA .8314 RC3-2.4951 FAU .12661
 FDE-2.6125 FRA 4.5137 FC-14.0693 BSP 12891
 BDE .6654 BRA 1.3412 BC3 5.1502 FSP -3771

MID-COURSE EXECUTION ACCURACY

SGT 3511.7 SGR 2320.3 SG3 1147.3
 RRT .9859 RRF .9952 RTF .9860
 SGB 4209.0 R23 .0876 R13 .9917
 SGI 4196.5 SG2 324.6 THA 33.31

ORBIT DETERMINATION ACCURACY

ST 1327.4 SR 891.0 SS 1898.3
 CRT .9948 CRS -.9909 CST -.9993
 LSA 2479.3 MSA 109.2 SSA 17.7
 EL1 1596.9 EL2 75.6 ALF 33.82

LAUNCH DATE MAY 12 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 484.796

RL 151.12 LAL -.00 LOL 230.60 VL 27.114 GAL 3.85 AZL 90.88 MCA 214.13 SMA 129.96 ECC .17579 INC .8781 VI 29.483
 RP 107.70 LAP .49 LOP 84.72 VP 37.990 GAP 2.31 AZP 89.27 TAL 161.41 TAP 15.54 RCA 107.11 APO 152.80 V2 35.185
 RC 98.967 GL -8.37 GP -28.42 ZAL 59.93 ZAP 117.67 ETS 345.01 ZAE 139.10 ETE 214.17 ZAC 125.13 ETC 359.25 CLP -121.88

PLANETOCENTRIC CONIC

C3 8.117 VML 2.849 DLA -4.14 RAL 168.47 RAD 6567.3 VEL 11.380 PTH 1.97 VHP 3.662 DPA -10.28 RAP 137.64 ECC 1.1336
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 49 18 1893.31 -10.70 22.08 16.71 116.37 8 20 51 1293.3 -7.07 15.28
 90.00 18 45 46 4794.41 17.96 206.41 17.73 67.73 20 5 40 4194.4 14.79 199.17
 100.00 9 8 42 1637.17 -11.45 2.85 16.33 117.80 9 35 59 1037.2 -7.64 356.14
 100.00 20 9 2 4525.78 18.73 186.31 17.39 66.27 21 24 28 3925.8 15.37 179.13
 110.00 10 12 29 1437.44 -13.43 346.54 15.17 121.73 10 36 27 837.4 -9.14 340.07
 110.00 21 21 44 4298.27 20.79 167.98 16.34 62.23 22 33 22 3698.3 16.91 161.01

DIFFERENTIAL CORRECTIONS

TDE -.7129 TRA 1.1741 TC3-4.7171 BAU .5612
 RDE -.3356 RRA .7469 RC3-2.1189 FAU .12387
 FDE-2.8597 FRA 4.4906 FC-13.2114 BSP 13410
 BDE .7879 BRA 1.3915 BC3 5.1711 FSP -3741

MID-COURSE EXECUTION ACCURACY

SGT 3858.0 SGR 2044.8 SG3 1132.2
 RRT .9859 RRF .9929 RTF .9873
 SGB 4366.4 R23 .0807 R13 .9909
 SGI 4355.9 SG2 302.5 THA 27.74

ORBIT DETERMINATION ACCURACY

ST 1601.9 SR 812.9 SS 2013.4
 CRT .9916 CRS -.9889 CST -.9997
 LSA 2695.9 MSA 111.9 SSA 17.6
 EL1 1793.9 EL2 94.1 ALF 26.79

LAUNCH DATE MAY 12 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 491.031

RL 151.12 LAL -.00 LOL 230.60 VL 27.103 GAL 3.98 AZL 91.12 MCA 217.36 SMA 129.88 ECC .17730 INC 1.1228 VI 29.483
 RP 107.67 LAP .68 LOP 87.95 VP 37.991 GAP 2.72 AZP 89.11 TAL 160.92 TAP 18.28 RCA 106.86 APO 152.91 V2 35.195
 RC 101.218 GL -10.47 GP -25.63 ZAL 59.22 ZAP 121.91 ETS 344.13 ZAE 138.24 ETE 209.03 ZAC 125.90 ETC .89 CLP -125.89

PLANETOCENTRIC CONIC

C3 8.497 VML 2.915 DLA -6.43 RAL 168.47 RAD 6567.3 VEL 11.397 PTH 1.97 VHP 3.724 DPA -7.41 RAP 137.81 ECC 1.1398
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 6 42 1829.74 -8.76 18.42 17.16 117.04 8 37 12 1229.7 -5.06 11.69
 90.00 18 28 24 4875.08 19.96 211.48 18.79 69.49 19 49 39 4275.1 17.00 204.06
 100.00 9 24 59 1577.20 -9.52 359.44 16.75 118.47 9 51 17 977.2 -5.65 352.80
 100.00 19 52 48 4602.85 20.77 191.12 18.45 68.01 21 9 30 4002.8 17.61 183.76
 110.00 10 26 14 1385.46 -11.55 343.68 15.54 122.40 10 49 20 785.5 -7.19 337.30
 110.00 21 8 2 4367.36 22.92 172.21 17.42 63.92 22 20 50 3767.4 19.23 165.02

DIFFERENTIAL CORRECTIONS

TDE -.8610 TRA 1.2954 TC3-4.8513 BAU .5875
 RDE -.3080 RRA .6750 RC3-1.7922 FAU .11896
 FDE-3.0212 FRA 4.4138 FC-12.1215 BSP 14015
 BDE .9144 BRA 1.4607 BC3 5.1718 FSP -3646

MID-COURSE EXECUTION ACCURACY

SGT 4174.8 SGR 1800.3 SG3 1097.8
 RRT .9847 RRF .9896 RTF .9880
 SGB 4546.4 R23 .0690 R13 .9903
 SGI 4537.3 SG2 288.4 THA 23.11

ORBIT DETERMINATION ACCURACY

ST 1860.7 SR 726.7 SS 2089.4
 CRT .9876 CRS -.9857 CST -.9999
 LSA 2888.2 MSA 116.1 SSA 17.3
 EL1 1994.7 EL2 106.6 ALF 21.15

LAUNCH DATE MAY 12 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC
 RL 151.12 LAL -1.00 LOL 230.60 VL 27.091 GAL 4.13 AZL 91.33 MCA 220.59 SMA 129.80 ECC .17902 INC 1.3339 V1 29.483
 RP 107.65 LAP .87 LOP 91.19 VP 37.991 GAP 3.14 AZP 88.99 TAL 160.38 TAP 20.98 RCA 106.56 APO 153.04 V2 35.204
 RC 103.470 GL -12.16 GP -23.19 ZAL 58.47 ZAP 125.88 ETS 343.46 ZAE 137.13 ETE 204.77 ZAC 126.33 ETC 2.48 CLP-129.61

PLANETOCENTRIC CONIC
 C3 8.923 VHL 2.987 DLA -8.36 RAL 168.69 RAD 6567.3 VEL 11.415 PTH 1.98 VHP 3.814 DPA -4.94 RAP 138.10 ECC 1.1468
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 22 32 1777.55 -7.13 15.45 17.93 117.48 8 52 9 1177.5 -3.39 8.76
 90.00 18 14 18 4945.90 21.59 216.04 20.11 71.22 19 36 44 4345.9 18.82 208.46
 100.00 9 39 49 1528.19 -7.92 356.69 17.51 118.92 10 5 17 928.2 -4.00 350.09
 100.00 19 39 42 4670.49 22.43 195.46 19.79 69.71 20 57 32 4070.5 19.47 187.92
 110.00 10 38 50 1343.42 -10.01 341.40 16.24 122.86 11 1 13 743.4 -5.61 335.08
 110.00 20 57 10 4428.02 24.68 176.04 18.78 65.56 22 10 58 3828.0 21.17 168.65

DIFFERENTIAL CORRECTIONS
 TOE-1.0066 TRA 1.4178 TC3-4.9205 BAU .6141
 RDE -.2758 RRA .6145 RC3-1.5150 FAU .11264
 FDE-3.1115 FRA 4.3045 FC-10.9287 BSP 14663
 BDE 1.0432 BRA 1.5453 BC3 5.1485 FSP -3506

MID-COURSE EXECUTION ACCURACY
 SGT 4463.7 SGR 1587.0 SG3 1050.7
 RRT .9821 RRF .9850 RTF .9884
 SGB 4737.5 R23 .0550 R13 .9898
 SGI 4729.0 SG2 282.3 TMA 19.32

ORBIT DETERMINATION ACCURACY
 ST 2101.4 SR 639.1 SS 2133.6
 CRT .9819 CRS -.9806 CST -.9999
 LSA 3059.7 MSA 120.9 SSA 17.1
 EL1 2193.4 EL2 115.8 ALF 16.68

LAUNCH DATE MAY 12 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC
 RL 151.12 LAL -1.00 LOL 230.60 VL 27.077 GAL 4.30 AZL 91.52 MCA 223.83 SMA 129.71 ECC .18094 INC 1.5188 V1 29.483
 RP 107.62 LAP 1.05 LOP 94.42 VP 37.989 GAP 3.56 AZP 88.90 TAL 159.81 TAP 23.64 RCA 106.24 APO 153.17 V2 35.212
 RC 105.723 GL -13.50 GP -21.05 ZAL 57.66 ZAP 129.58 ETS 342.95 ZAE 135.89 ETE 201.27 ZAC 126.46 ETC 3.97 CLP-133.06

PLANETOCENTRIC CONIC
 C3 9.394 VHL 3.065 DLA -10.00 RAL 169.08 RAD 6567.3 VEL 11.436 PTH 1.98 VHP 3.927 DPA -2.84 RAP 138.54 ECC 1.1546
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 37 8 1734.29 -5.76 13.01 18.97 117.77 9 6 3 1134.3 -2.00 6.35
 90.00 18 2 48 5009.09 22.91 220.20 21.65 72.89 19 26 17 4409.1 20.35 212.46
 100.00 9 53 32 1487.81 -6.58 354.43 18.52 119.22 10 18 20 887.8 -2.64 347.87
 100.00 19 29 5 4730.81 23.80 199.42 21.34 71.36 20 47 56 4130.8 21.04 191.71
 110.00 10 50 33 1309.26 -8.74 339.57 17.21 123.18 11 12 23 709.3 -4.31 333.28
 110.00 20 48 33 4482.12 26.16 179.55 20.35 67.17 22 3 15 3882.1 22.84 171.97

DIFFERENTIAL CORRECTIONS
 TOE-1.1492 TRA 1.5422 TC3-4.9343 BAU .6403
 RDE -.2414 RRA .5637 RC3-1.2828 FAU .10549
 FDE-3.1436 FRA 4.1751 FC3-9.7218 BSP 15316
 BDE 1.1743 BRA 1.6420 BC3 5.0983 FSP -3335

MID-COURSE EXECUTION ACCURACY
 SGT 4725.9 SGR 1402.5 SG3 995.9
 RRT .9777 RRF .9785 RTF .9886
 SGB 4929.6 R23 .0404 R13 .9894
 SGI 4921.5 SG2 282.6 TMA 16.24

ORBIT DETERMINATION ACCURACY
 ST 2322.7 SR 554.3 SS 2151.5
 CRT .9736 CRS -.9727 CST -.9999
 LSA 3211.7 MSA 125.8 SSA 16.9
 EL1 2384.7 EL2 123.1 ALF 13.12

LAUNCH DATE MAY 12 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC
 RL 151.12 LAL -1.00 LOL 230.60 VL 27.062 GAL 4.48 AZL 91.68 MCA 227.07 SMA 129.60 ECC .18307 INC 1.6834 V1 29.483
 RP 107.60 LAP 1.23 LOP 97.65 VP 37.985 GAP 3.98 AZP 88.85 TAL 159.21 TAP 26.28 RCA 105.88 APO 153.33 V2 35.220
 RC 107.975 GL -14.58 GP -19.18 ZAL 56.80 ZAP 133.02 ETS 342.55 ZAE 134.60 ETE 198.42 ZAC 126.31 ETC 5.35 CLP-136.25

PLANETOCENTRIC CONIC
 C3 9.913 VHL 3.148 DLA -11.41 RAL 169.62 RAD 6567.4 VEL 11.459 PTH 1.99 VHP 4.058 DPA -1.06 RAP 139.12 ECC 1.1631
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 50 49 1698.30 -4.62 10.98 20.23 117.97 9 19 7 1098.3 -.84 4.34
 90.00 17 53 24 5066.25 24.01 224.03 23.37 74.51 19 17 51 4466.2 21.65 216.15
 100.00 10 6 24 1454.43 -5.47 352.58 19.76 119.43 10 30 38 854.4 -1.51 346.04
 100.00 19 20 30 4785.34 24.94 203.07 23.07 72.97 20 40 16 4185.3 22.37 195.22
 110.00 11 1 37 1281.51 -7.70 338.09 18.38 123.41 11 22 59 681.5 -3.26 331.83
 110.00 20 41 47 4531.03 27.41 182.81 22.11 68.73 21 57 18 3931.0 24.27 175.04

DIFFERENTIAL CORRECTIONS
 TOE-1.2867 TRA 1.6717 TC3-4.8937 BAU .6643
 RDE -.2056 RRA .5218 RC3-1.0861 FAU .09763
 FDE-3.1249 FRA 4.0428 FC3-8.5264 BSP 15904
 BDE 1.3031 BRA 1.7512 BC3 5.0128 FSP -3135

MID-COURSE EXECUTION ACCURACY
 SGT 4960.9 SGR 1243.5 SG3 936.5
 RRT .9710 RRF .9697 RTF .9885
 SGB 5114.4 R23 .0277 R13 .9889
 SGI 5106.2 SG2 288.7 TMA 13.72

ORBIT DETERMINATION ACCURACY
 ST 2521.7 SR 474.2 SS 2145.3
 CRT .9605 CRS -.9600 CST -.9999
 LSA 3341.9 MSA 131.1 SSA 16.8
 EL1 2562.6 EL2 129.8 ALF 10.26

LAUNCH DATE MAY 12 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC
 RL 151.12 LAL -1.00 LOL 230.60 VL 27.046 GAL 4.68 AZL 91.83 MCA 230.31 SMA 129.49 ECC .18541 INC 1.8315 V1 29.483
 RP 107.58 LAP 1.41 LOP 100.89 VP 37.980 GAP 4.40 AZP 88.83 TAL 158.57 TAP 28.88 RCA 105.48 APO 153.50 V2 35.227
 RC 110.226 GL -15.43 GP -17.54 ZAL 55.89 ZAP 136.21 ETS 342.21 ZAE 133.33 ETE 196.09 ZAC 125.91 ETC 6.58 CLP-139.21

PLANETOCENTRIC CONIC
 C3 10.481 VHL 3.237 DLA -12.63 RAL 170.28 RAD 6567.4 VEL 11.483 PTH 2.00 VHP 4.206 DPA .43 RAP 139.85 ECC 1.1725
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 3 43 1668.37 -3.66 9.30 21.66 118.10 9 31 32 1068.4 .13 2.67
 90.00 17 45 46 5118.54 24.91 227.60 25.23 76.08 19 11 4 4518.5 22.75 219.59
 100.00 10 18 33 1426.92 -4.55 351.06 21.17 119.58 10 42 20 826.9 -.58 344.53
 100.00 19 13 37 4835.22 25.89 206.47 24.95 74.52 20 34 12 4235.2 23.52 198.48
 110.00 11 12 8 1259.12 -6.86 336.90 19.74 123.57 11 33 7 659.1 -2.40 330.65
 110.00 20 36 31 4575.79 28.48 185.85 24.02 70.24 21 52 47 3975.8 25.52 177.92

DIFFERENTIAL CORRECTIONS
 TOE-1.4233 TRA 1.8033 TC3-4.8220 BAU .6880
 RDE -.1710 RRA .4862 RC3 -.9262 FAU .09007
 FDE-3.0813 FRA 3.9030 FC3-7.4402 BSP 16526
 BDE 1.4335 BRA 1.8677 BC3 4.9102 FSP -2947

MID-COURSE EXECUTION ACCURACY
 SGT 5175.9 SGR 1108.6 SG3 877.1
 RRT .9618 RRF .9581 RTF .9883
 SGB 5293.2 R23 .0158 R13 .9886
 SGI 5284.9 SG2 297.0 TMA 11.68

ORBIT DETERMINATION ACCURACY
 ST 2704.8 SR 402.3 SS 2127.5
 CRT .9404 CRS -.9402 CST -1.0000
 LSA 3462.0 MSA 136.0 SSA 16.6
 EL1 2731.2 EL2 135.5 ALF 7.98

LAUNCH DATE MAY 12 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 521.879

RL 151.12 LAL -.00 LOL 230.60 VL 27.029 GAL 4.89 AZL 98.97 MCA 233.55 SMA 129.38 ECC .18797 INC 1.9664 V1 29.483
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.974 GAP 4.83 AZP 88.83 TAL 157.90 TAP 31.45 RCA 105.06 APO 153.69 V2 35.233
 RC 112.475 GL -16.10 GP -16.11 ZAL 54.92 ZAP 139.17 ETS 341.90 ZAE 132.10 ETE 194.20 ZAC 125.30 ETC 7.68 CLP-141.96

PLANETOCENTRIC CONIC

C3 11.104 VML 3.332 OLA -13.69 RAL 171.04 RAD 6567.4 VEL 11.511 PTH 2.00 VHP 4.363 DPA 1.67 RAP 140.72 ECC 1.1827
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 15 59 1643.63 -2.87 7.92 23.24 118.18 9 43 22 1043.6 .93 1.29
 90.00 17 39 36 5166.85 25.66 230.94 27.23 77.59 19 5 43 4566.8 23.69 222.82
 100.00 10 30 7 1404.42 -3.79 349.82 22.73 119.67 10 53 32 804.4 .19 343.29
 100.00 19 8 9 4881.29 26.69 209.66 26.96 76.01 20 29 30 4281.3 24.50 201.55
 110.00 11 22 12 1241.31 -6.19 335.96 21.24 123.69 11 42 53 641.3 -1.72 329.73
 110.00 20 32 34 4617.16 29.40 188.72 26.08 71.71 21 49 31 4017.2 26.62 180.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.5575 TRA 1.9395 TC3-4.7200 BAU .7105 SGT 5371.0 SGR 994.0 SG3 818.7 ST 2870.6 SR 338.8 SS 2098.6
 RDE -.1374 RRA .4564 RC3 -.7938 FAU .08277 RRT .9495 RRF .9430 RTF .9881 CRT .9086 CRS -.9087 CST-1.0000
 FDE-3.0163 FRA 3.7653 FC3-6.4529 BSP 17120 SGB 5462.2 R23 -.0057 R13 .9882 LSA 3569.2 MSA 140.9 SSA 16.4
 BDE 1.5635 BRA 1.9925 BC3 4.7863 FSP -2762 SGI 5453.5 SG2 307.2 THA 10.00 EL1 2887.1 EL2 140.7 ALF 6.13

LAUNCH DATE MAY 12 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 527.977

RL 151.12 LAL -.00 LOL 230.60 VL 27.011 GAL 5.13 AZL 92.09 MCA 236.79 SMA 129.25 ECC .19076 INC 2.0905 V1 29.483
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.966 GAP 5.26 AZP 88.85 TAL 157.20 TAP 33.99 RCA 104.60 APO 153.91 V2 35.239
 RC 114.720 GL -16.61 GP -14.85 ZAL 53.92 ZAP 141.91 ETS 341.61 ZAE 130.94 ETE 192.64 ZAC 124.49 ETC 8.64 CLP-144.51

PLANETOCENTRIC CONIC

C3 11.788 VML 3.433 OLA -14.62 RAL 171.89 RAD 6567.4 VEL 11.540 PTH 2.01 VHP 4.544 DPA 2.68 RAP 141.73 ECC 1.1940
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 27 40 1623.46 -2.22 6.79 24.96 118.24 9 54 44 1023.5 1.58 .16
 90.00 17 34 44 5211.85 26.28 234.09 29.35 79.05 19 1 35 4611.9 24.50 225.87
 100.00 10 41 10 1386.33 -3.18 348.82 24.43 119.74 11 4 16 786.3 .80 342.30
 100.00 19 3 55 4924.21 27.36 212.68 29.09 77.47 20 25 59 4324.2 25.36 204.45
 110.00 11 31 52 1227.54 -5.67 335.23 22.88 123.77 11 52 19 627.5 -1.19 329.01
 110.00 20 29 43 4655.77 30.19 191.44 28.25 73.15 21 47 18 4055.8 27.59 183.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6894 TRA 2.0817 TC3-4.5911 BAU .7315 SGT 5547.7 SGR 896.9 SG3 762.5 ST 3019.5 SR 284.0 SS 2061.0
 RDE -.1049 RRA .4315 RC3 -.6833 FAU .07573 RRT .9333 RRF .9240 RTF .9877 CRT .8573 CRS -.8578 CST-1.0000
 FDE-2.9362 FRA 3.6348 FC3-5.5620 BSP 17681 SGB 5619.7 R23 -.0026 R13 .9877 LSA 3663.9 MSA 145.8 SSA 16.3
 BDE 1.6927 BRA 2.1260 BC3 4.6417 FSP -2581 SGI 5610.7 SG2 318.4 THA 8.61 EL1 3029.3 EL2 145.7 ALF 4.62

LAUNCH DATE MAY 12 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 534.048

RL 151.12 LAL -.00 LOL 230.60 VL 26.992 GAL 5.38 AZL 92.21 MCA 240.03 SMA 129.12 ECC .19379 INC 2.2057 V1 29.483
 RP 107.52 LAP 1.91 LOP 110.61 VP 37.957 GAP 5.70 AZP 88.90 TAL 156.47 TAP 36.50 RCA 104.10 APO 154.14 V2 35.244
 RC 116.961 GL -16.98 GP -13.74 ZAL 52.88 ZAP 144.47 ETS 341.31 ZAE 129.87 ETE 191.36 ZAC 123.52 ETC 9.46 CLP-146.90

PLANETOCENTRIC CONIC

C3 12.540 VML 3.541 OLA -15.44 RAL 172.82 RAD 6567.5 VEL 11.573 PTH 2.02 VHP 4.731 DPA 3.49 RAP 142.85 ECC 1.2064
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 38 52 1607.35 -1.70 5.89 26.80 118.27 10 5 39 1007.4 2.10 359.27
 90.00 17 30 58 5254.09 26.79 237.07 31.57 80.47 18 58 32 4654.1 25.20 228.77
 100.00 10 51 45 1372.19 -2.70 348.05 26.24 119.78 11 14 37 772.2 1.28 341.52
 100.00 19 0 46 4964.50 27.92 215.54 31.33 78.87 20 23 30 4364.5 26.10 207.21
 110.00 11 41 10 1217.37 -5.28 334.70 24.64 123.82 12 1 28 617.4 -.81 328.48
 110.00 20 27 50 4692.08 30.88 194.05 30.53 74.55 21 46 2 4092.1 28.45 185.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8160 TRA 2.2344 TC3-4.4288 BAU .7490 SGT 5704.2 SGR 814.7 SG3 708.7 ST 3147.8 SR 238.5 SS 2013.3
 RDE -.0728 RRA .4111 RC3 -.5885 FAU .06876 RRT .9127 RRF .9004 RTF .9872 CRT .7729 CRS -.7740 CST-1.0000
 FDE-2.8396 FRA 3.5181 FC3-4.7475 BSP 18122 SGB 5762.1 R23 -.0089 R13 .9872 LSA 3741.1 MSA 151.1 SSA 16.1
 BDE 1.8175 BRA 2.2719 BC3 4.4677 FSP -2396 SGI 5752.7 SG2 330.1 THA 7.45 EL1 3153.2 EL2 151.1 ALF 3.36

LAUNCH DATE MAY 12 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 540.091

RL 151.12 LAL -.00 LOL 230.60 VL 26.972 GAL 5.64 AZL 92.31 MCA 243.28 SMA 128.99 ECC .19707 INC 2.3137 V1 29.483
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.947 GAP 6.14 AZP 88.96 TAL 155.71 TAP 38.99 RCA 103.57 APO 154.41 V2 35.248
 RC 119.197 GL -17.24 GP -12.76 ZAL 51.81 ZAP 146.85 ETS 340.98 ZAE 128.87 ETE 190.29 ZAC 122.41 ETC 10.17 CLP-149.14

PLANETOCENTRIC CONIC

C3 13.367 VML 3.656 OLA -16.15 RAL 173.82 RAD 6567.5 VEL 11.608 PTH 2.03 VHP 4.929 DPA 4.13 RAP 144.08 ECC 1.2200
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 49 34 1595.00 -1.30 5.20 28.75 118.29 10 16 9 995.0 2.49 358.58
 90.00 17 28 11 5293.96 27.21 239.92 33.88 81.83 18 56 25 4694.0 25.80 231.53
 100.00 11 1 54 1361.64 -2.35 347.47 28.16 119.81 11 24 35 761.6 1.64 340.94
 100.00 18 58 33 5002.55 28.39 218.27 33.67 80.24 20 21 55 4402.6 26.75 209.85
 110.00 11 50 9 1210.48 -5.02 334.34 26.50 123.86 12 10 19 610.5 -.54 328.12
 110.00 20 26 47 4726.47 31.47 196.55 32.92 75.92 21 45 33 4126.5 29.22 188.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9444 TRA 2.3915 TC3-4.2596 BAU .7666 SGT 5849.0 SGR 745.4 SG3 658.8 ST 3265.6 SR 204.0 SS 1965.5
 RDE -.0425 RRA .3933 RC3 -.5105 FAU .06255 RRT .8876 RRF .8722 RTF .9868 CRT .6446 CRS -.6463 CST-1.0000
 FDE-2.7455 FRA 3.4044 FC3-4.0515 BSP 18610 SGB 5896.3 R23 -.0145 R13 .9867 LSA 3813.7 MSA 155.9 SSA 16.0
 BDE 1.9449 BRA 2.4236 BC3 4.2901 FSP -2235 SGI 5886.4 SG2 341.2 THA 6.48 EL1 3268.3 EL2 155.9 ALF 2.31

LAUNCH DATE MAY 12 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 546.103

RL 151.12 LAL -.00 LOL 230.60 VL 26.951 GAL 5.93 AZL 92.42 MCA 246.52 SMA 128.85 ECC .20062 INC 2.4157 V1 29.483
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.936 GAP 6.59 AZP 89.04 TAL 154.93 TAP 41.46 RCA 103.00 APO 154.70 V2 35.252
 RC 121.426 GL -17.40 GP -11.89 ZAL 50.71 ZAP 149.08 ETS 340.62 ZAE 127.94 ETE 189.40 ZAC 121.17 ETC 10.76 CLP-151.25

PLANETOCENTRIC CONIC

C3 14.279 VHL 3.779 CLA -16.78 RAL 174.87 RAD 6567.6 VEL 11.648 PTH 2.04 VHP 5.139 DPA 4.61 RAP 145.42 ECC 1.2350
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 59 49 1586.09 -1.01 4.71 30.78 118.30 10 26 15 986.1 2.78 358.08
 90.00 17 26 17 5331.79 27.54 242.63 36.28 83.16 18 55 9 4731.8 26.31 234.18
 100.00 11 11 37 1354.42 -2.10 347.07 30.17 119.83 11 34 12 754.4 1.88 340.55
 100.00 18 57 10 5038.70 28.78 220.89 36.09 81.56 20 21 9 4438.7 27.32 212.39
 110.00 11 58 48 1206.63 -4.88 334.13 28.45 123.88 12 18 54 606.6 -1.40 327.92
 110.00 20 26 29 4759.26 31.99 198.97 35.39 77.26 21 45 48 4159.3 29.91 190.38

DIFFERENTIAL CORRECTIONS

TDE-2.0716 TRA 2.5570 TC3-4.0761 BAU .7827
 RDE -.0132 RRA .3782 RC3 -.4441 FAU .05677
 FDE-2.6493 FRA 3.2998 FC3-3.4417 BSP 19059
 BDE 2.0716 BRA 2.5848 BC3 4.1002 FSP -2084

MID-COURSE EXECUTION ACCURACY

SGT 5979.5 SGR 686.9 SG3 612.2
 RRT .8575 RRF .8389 RTF .9864
 SGB 6018.9 R23 -.0191 R13 .9863
 SGI 6008.6 SG2 351.7 TMA 5.65

ORBIT DETERMINATION ACCURACY

ST 3369.1 SR 181.1 SS 1914.8
 CRT .4620 CRS -.4643 CST-1.0000
 LSA 3876.1 MSA 160.6 SSA 15.8
 EL1 3370.1 EL2 160.5 ALF 1.43

LAUNCH DATE MAY 12 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 552.083

RL 151.12 LAL -.00 LOL 230.60 VL 26.930 GAL 6.24 AZL 92.51 MCA 249.77 SMA 128.70 ECC .20444 INC 2.5129 V1 29.483
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.923 GAP 7.04 AZP 89.13 TAL 154.13 TAP 43.90 RCA 102.39 APO 155.01 V2 35.255
 RC 123.648 GL -17.47 GP -11.12 ZAL 49.59 ZAP 151.17 ETS 340.20 ZAE 127.10 ETE 188.65 ZAC 119.82 ETC 11.26 CLP-153.23

PLANETOCENTRIC CONIC

C3 15.287 VHL 3.910 CLA -17.34 RAL 175.96 RAD 6567.6 VEL 11.691 PTH 2.06 VHP 5.359 DPA 4.95 RAP 146.84 ECC 1.2516
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 9 38 1580.44 -.83 4.39 32.90 118.31 10 35 58 980.4 2.96 357.76
 90.00 17 25 10 5367.86 27.81 245.24 38.76 84.44 18 54 38 4767.9 26.75 236.73
 100.00 11 20 56 1350.33 -1.96 346.84 32.27 119.83 11 43 27 750.3 2.02 340.32
 100.00 18 56 33 5073.21 29.10 223.40 38.59 82.85 20 21 6 4473.2 27.81 214.84
 110.00 12 7 8 1205.61 -4.84 334.08 30.48 123.88 12 27 14 605.6 -.36 327.86
 110.00 20 26 51 4790.69 32.44 201.31 37.96 78.58 21 46 41 4190.7 30.53 192.62

DIFFERENTIAL CORRECTIONS

TDE-2.1984 TRA 2.7320 TC3-3.8816 BAU .7972
 RDE .0155 RRA .3652 RC3 -.3870 FAU .05138
 FDE-2.5535 FRA 3.2047 FC3-2.9099 BSP 19477
 BDE 2.1984 BRA 2.7563 BC3 3.9008 FSP -1943

MID-COURSE EXECUTION ACCURACY

SGT 6097.7 SGR 637.5 SG3 569.1
 RRT .8224 RRF .8007 RTF .9859
 SGB 6130.9 R23 -.0228 R13 .9858
 SGI 6120.2 SG2 361.3 TMA 4.93

ORBIT DETERMINATION ACCURACY

ST 3459.7 SR 170.0 SS 1862.7
 CRT .2372 CRS -.2400 CST-1.0000
 LSA 3929.4 MSA 165.1 SSA 15.6
 EL1 3459.9 EL2 165.1 ALF .67

LAUNCH DATE MAY 12 1967

FLIGHT TIME 202.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 558.028

RL 151.12 LAL -.00 LOL 230.60 VL 26.908 GAL 6.57 AZL 92.61 MCA 253.01 SMA 128.55 ECC .20856 INC 2.6060 V1 29.483
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.910 GAP 7.51 AZP 89.24 TAL 153.31 TAP 46.33 RCA 101.74 APO 155.37 V2 35.257
 RC 125.861 GL -17.46 GP -10.44 ZAL 48.46 ZAP 153.14 ETS 339.72 ZAE 126.32 ETE 188.01 ZAC 118.37 ETC 11.68 CLP-155.11

PLANETOCENTRIC CONIC

C3 16.404 VHL 4.050 CLA -17.82 RAL 177.08 RAD 6567.7 VEL 11.738 PTH 2.07 VHP 5.590 DPA 5.16 RAP 148.34 ECC 1.2700
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 18 59 1577.88 -.75 4.25 35.09 118.31 10 45 17 977.9 3.04 357.62
 90.00 17 24 47 5402.38 28.01 247.74 41.31 85.68 18 54 49 4802.4 27.12 239.19
 100.00 11 29 52 1349.20 -1.93 346.78 34.44 119.84 11 52 21 749.2 2.06 340.26
 100.00 18 56 36 5106.29 29.36 225.83 41.17 84.10 20 21 42 4506.3 28.23 217.20
 110.00 12 15 9 1207.27 -4.90 334.17 32.59 123.87 12 35 17 607.3 -.42 327.95
 110.00 20 27 47 4820.99 32.83 203.59 40.60 79.88 21 48 8 4221.0 31.08 194.80

DIFFERENTIAL CORRECTIONS

TDE-2.3243 TRA 2.9178 TC3-3.6772 BAU .8098
 RDE .0435 RRA .3538 RC3 -.3376 FAU .04638
 FDE-2.4590 FRA 3.1191 FC3-2.4476 BSP 19854
 BDE 2.3247 BRA 2.9392 BC3 3.6927 FSP -1813

MID-COURSE EXECUTION ACCURACY

SGT 6203.5 SGR 595.8 SG3 529.2
 RRT .7824 RRF .7576 RTF .9854
 SGB 6232.0 R23 -.0257 R13 .9853
 SGI 6221.0 SG2 370.1 TMA 4.31

ORBIT DETERMINATION ACCURACY

ST 3537.2 SR 169.5 SS 1809.5
 CRT .0058 CRS -.0089 CST -.9999
 LSA 3973.2 MSA 169.6 SSA 15.4
 EL1 3537.2 EL2 169.5 ALF .02

LAUNCH DATE MAY 12 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 563.935

RL 151.12 LAL -.00 LOL 230.60 VL 26.885 GAL 6.92 AZL 92.70 MCA 256.26 SMA 128.40 ECC .21300 INC 2.6960 V1 29.483
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.895 GAP 7.99 AZP 89.36 TAL 152.47 TAP 48.73 RCA 101.05 APO 155.75 V2 35.258
 RC 128.066 GL -17.39 GP -9.83 ZAL 47.31 ZAP 154.99 ETS 339.16 ZAE 125.61 ETE 187.47 ZAC 116.84 ETC 12.02 CLP-156.89

PLANETOCENTRIC CONIC

C3 17.643 VHL 4.200 CLA -18.24 RAL 178.23 RAD 6567.7 VEL 11.791 PTH 2.08 VHP 5.832 DPA 5.27 RAP 149.91 ECC 1.2904
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 27 55 1578.27 -.76 4.27 37.35 118.31 10 54 13 978.3 3.03 357.64
 90.00 17 25 3 5435.54 28.16 250.16 43.93 86.88 18 55 38 4835.5 27.43 241.57
 100.00 11 38 23 1350.90 -1.98 346.88 36.67 119.83 12 0 53 750.9 2.00 340.35
 100.00 18 57 16 5138.15 29.56 228.17 43.82 85.32 20 22 54 4538.1 28.59 219.50
 110.00 12 22 52 1211.49 -5.06 334.39 34.76 123.85 12 43 4 611.5 -.58 328.17
 110.00 20 29 16 4850.32 33.15 205.82 43.32 81.16 21 50 6 4250.3 31.58 196.94

DIFFERENTIAL CORRECTIONS

TDE-2.4480 TRA 3.1176 TC3-3.4609 BAU .8193
 RDE .0714 RRA .3439 RC3 -.2939 FAU .04158
 FDE-2.3642 FRA 3.0451 FC3-2.0404 BSP 20129
 BDE 2.4491 BRA 3.1365 BC3 3.4734 FSP -1683

MID-COURSE EXECUTION ACCURACY

SGT 6297.2 SGR 560.7 SG3 492.3
 RRT .7376 RRF .7103 RTF .9848
 SGB 6322.1 R23 -.0277 R13 .9847
 SGI 6310.8 SG2 377.8 TMA 3.77

ORBIT DETERMINATION ACCURACY

ST 3600.4 SR 177.5 SS 1754.6
 CRT -.1965 CRS .1931 CST -.9999
 LSA 4005.4 MSA 174.1 SSA 15.2
 EL1 3600.6 EL2 174.0 ALF 179.44

LAUNCH DATE MAY 12 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 569.801

RL 151.12 LAL -1.00 LOL 230.60 VL 26.862 GAL 7.30 AZL 92.78 MCA 259.51 SMA 128.25 ECC .21779 INC 2.7835 V1 29.483
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.879 GAP 8.48 A7P 89.49 TAL 151.62 TAP 51.13 RCA 100.32 APO 156.18 V2 35.259
 RC 130.261 GL -17.26 GP -9.28 ZAL 46.16 ZAP 156.75 ETS 338.51 ZAE 124.95 ETE 187.00 ZAC 115.24 ETC 12.31 CLP-158.59

PLANETOCENTRIC CONIC

C3 19.020 VHL 4.361 CLA -18.61 RAL 179.40 RAD 6567.8 VEL 11.849 PTH 2.10 VHP 6.087 CPA 5.27 RAP 151.54 ECC 1.3130
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 36 23 1581.52 -1.86 4.45 39.67 118.30 11 2 45 981.5 2.93 357.82
 90.00 17 25 54 5467.48 28.26 252.49 46.61 88.05 18 57 1 4867.5 27.68 243.87
 100.00 11 46 29 1355.33 -2.13 347.12 38.97 119.82 12 9 4 755.3 1.85 340.60
 100.00 18 58 29 5168.91 29.71 230.45 46.53 86.51 20 24 38 4568.9 28.91 221.74
 110.00 12 30 16 1218.16 -5.31 334.74 36.99 123.82 12 50 34 618.2 -1.84 328.52
 110.00 20 31 12 4878.84 33.43 208.00 46.10 82.42 21 52 31 4278.8 32.02 199.05

DIFFERENTIAL CORRECTIONS

TDE-2.5761 TRA 3.3258 TC3-3.2492 BAU .8288
 RDE .0386 RRA .3344 RC3 -.2563 FAU .03734
 FDE-2.2780 FRA 2.9751 FC3-1.6996 BSP 20464
 BDE 2.5780 BRA 3.3426 BC3 3.2593 FSP -1573

MID-COURSE EXECUTION ACCURACY

SGT 6382.9 SGR 530.7 SG3 458.5
 RRT .6885 RRF .6588 RTF .9844
 SGB 6404.9 R23 -.0295 R13 .9843
 SGI 6393.4 SG2 384.2 TMA 3.29

ORBIT DETERMINATION ACCURACY

ST 3657.1 SR 190.2 SS 1703.2
 CRT -.3531 CRS .3497 CST -.9999
 LSA 4034.8 MSA 178.0 SSA 15.0
 EL1 3657.7 EL2 177.9 ALF 178.95

LAUNCH DATE MAY 12 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 575.622

RL 151.12 LAL -1.00 LOL 230.60 VL 26.838 GAL 7.70 AZL 92.87 MCA 262.76 SMA 128.09 ECC .22294 INC 2.8693 V1 29.483
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.862 GAP 8.99 A7P 89.64 TAL 150.76 TAP 53.51 RCA 99.54 APO 156.65 V2 35.259
 RC 132.447 GL -17.08 GP -8.79 ZAL 45.02 ZAP 158.42 ETS 337.75 ZAE 124.35 ETE 186.59 ZAC 113.57 ETC 12.54 CLP-160.22

PLANETOCENTRIC CONIC

C3 20.556 VHL 4.534 CLA -18.92 RAL 180.58 RAD 6567.8 VEL 11.914 PTH 2.12 VHP 6.354 CPA 5.18 RAP 153.22 ECC 1.3383
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 44 25 1587.54 -1.06 4.79 42.05 118.30 11 10 52 987.5 2.73 358.16
 90.00 17 27 18 5498.35 28.31 254.75 49.34 89.18 18 58 56 4898.3 27.89 246.11
 100.00 11 54 11 1362.39 -2.37 347.51 41.32 119.81 12 16 54 762.4 1.61 340.99
 100.00 19 0 13 5198.73 29.81 232.66 49.30 87.67 20 26 51 4598.7 29.17 223.91
 110.00 12 30 20 1227.20 -5.66 335.22 39.28 123.77 12 57 47 627.2 -1.18 328.99
 110.00 20 33 33 4906.68 33.66 210.14 48.95 83.67 21 55 20 4306.7 32.42 201.12

DIFFERENTIAL CORRECTIONS

TDE-2.7051 TRA 3.5473 TC3-3.0348 BAU .8363
 RDE .1257 RRA .3254 RC3 -.2230 FAU .03339
 FDE-2.1954 FRA 2.9130 FC3-1.4063 BSP 20763
 BDE 2.7080 BRA 3.5622 BC3 3.0430 FSP -1471

MID-COURSE EXECUTION ACCURACY

SGT 6458.7 SGR 505.0 SG3 427.4
 RRT .6355 RRF .6038 RTF .9839
 SGB 6478.5 R23 -.0308 R13 .9838
 SGI 6466.7 SG2 389.5 TMA 2.86

ORBIT DETERMINATION ACCURACY

ST 3703.2 SR 205.6 SS 1652.6
 CRT -.4692 CRS .4659 CST -.9999
 LSA 4056.4 MSA 181.7 SSA 14.7
 EL1 3704.5 EL2 181.5 ALF 178.50

LAUNCH DATE MAY 12 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 581.393

RL 151.12 LAL -1.00 LOL 230.60 VL 26.814 GAL 8.13 AZL 92.95 MCA 266.00 SMA 127.93 ECC .22850 INC 2.9537 V1 29.483
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.845 GAP 9.52 A7P 89.79 TAL 149.88 TAP 55.88 RCA 98.70 APO 157.17 V2 35.258
 RC 134.624 GL -16.85 GP -8.36 ZAL 43.87 ZAP 160.01 ETS 336.87 ZAE 123.79 ETE 186.23 ZAC 111.84 ETC 12.73 CLP-161.78

PLANETOCENTRIC CONIC

C3 22.271 VHL 4.719 CLA -19.18 RAL 181.77 RAD 6567.9 VEL 11.985 PTH 2.14 VHP 6.635 CPA 5.01 RAP 154.94 ECC 1.3665
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 51 59 1596.25 -1.34 5.27 44.47 118.29 11 18 35 996.2 2.45 358.64
 90.00 17 29 12 5528.24 28.32 256.93 52.13 90.27 19 1 20 4928.2 28.05 248.28
 100.00 12 1 28 1372.01 -2.70 348.04 43.71 119.78 12 24 20 772.0 1.29 341.51
 100.00 19 2 24 5227.71 29.87 234.81 52.12 88.80 20 29 31 4627.7 29.38 226.04
 110.00 12 44 4 1238.53 -6.08 335.81 41.61 123.70 13 4 43 638.5 -1.61 329.58
 110.00 20 36 17 4933.96 33.85 212.24 51.86 84.90 21 58 31 4334.0 32.77 203.17

DIFFERENTIAL CORRECTIONS

TDE-2.8359 TRA 3.7830 TC3-2.8202 BAU .8417
 RDE .1529 RRA .3165 RC3 -.1935 FAU .02972
 FDE-2.1171 FRA 2.8584 FC3-1.1553 BSP 21031
 BDE 2.8400 BRA 3.7962 BC3 2.8268 FSP -1375

MID-COURSE EXECUTION ACCURACY

SGT 6525.8 SGR 483.1 SG3 398.7
 RRT .5791 RRF .5460 RTF .9835
 SGB 6543.7 R23 -.0316 R13 .9835
 SGI 6531.9 SG2 393.5 TMA 2.46

ORBIT DETERMINATION ACCURACY

ST 3740.2 SR 222.2 SS 1603.5
 CRT -.5541 CRS .5508 CST -.9999
 LSA 4071.2 MSA 185.1 SSA 14.5
 EL1 3742.2 EL2 184.9 ALF 178.11

LAUNCH DATE MAY 12 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 587.108

RL 151.12 LAL -1.00 LOL 230.60 VL 26.790 GAL 8.60 AZL 93.04 MCA 269.25 SMA 127.77 ECC .23449 INC 3.0376 V1 29.483
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.826 GAP 10.06 A7P 89.96 TAL 149.00 TAP 58.25 RCA 97.81 APO 157.74 V2 35.256
 RC 136.791 GL -16.58 GP -7.96 ZAL 42.74 ZAP 161.53 ETS 335.83 ZAE 123.27 ETE 185.91 ZAC 110.07 ETC 12.88 CLP-163.28

PLANETOCENTRIC CONIC

C3 24.192 VHL 4.919 CLA -19.40 RAL 182.95 RAD 6568.0 VEL 12.065 PTH 2.16 VHP 6.931 CPA 4.77 RAP 156.70 ECC 1.3981
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 59 5 1607.56 -1.70 5.90 46.93 118.27 11 25 53 1007.6 2.09 359.28
 90.00 17 31 33 5557.27 28.29 259.06 54.96 91.34 19 4 10 4957.3 28.17 250.39
 100.00 12 8 20 1384.11 -3.11 348.70 46.15 119.75 12 31 24 784.1 .88 342.18
 100.00 19 4 59 5255.96 29.89 236.91 54.98 89.90 20 32 35 4656.0 29.56 228.12
 110.00 12 50 28 1252.07 -6.60 336.93 43.99 123.62 13 11 20 652.1 -2.13 330.29
 110.00 20 39 21 4960.76 33.99 214.32 54.82 86.13 22 2 1 4360.8 33.08 205.20

DIFFERENTIAL CORRECTIONS

TDE-2.9691 TRA 4.0334 TC3-2.6069 BAU .8449
 RDE .1801 RRA .3075 RC3 -.1673 FAU .02630
 FDE-2.0436 FRA 2.8104 FC3 -.9413 BSP 21275
 BDE 2.9746 BRA 4.0452 BC3 2.6122 FSP -1287

MID-COURSE EXECUTION ACCURACY

SGT 6584.3 SGR 464.1 SG3 372.3
 RRT .5198 RRF .4856 RTF .9832
 SGB 6600.6 R23 -.0319 R13 .9831
 SGI 6588.7 SG2 396.2 TMA 2.11

ORBIT DETERMINATION ACCURACY

ST 3768.5 SR 238.8 SS 1556.1
 CRT -.6167 CRS .6135 CST -.9999
 LSA 4079.8 MSA 188.0 SSA 14.2
 EL1 3771.4 EL2 187.8 ALF 177.76

LAUNCH DATE MAY 12 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC

DISTANCE 592.761

RL 151.12 LAL -1.00 LOL 230.60 VL 26.766 GAL 9.09 AZL 93.12 MCA 272.49 SMA 127.61 ECC .24096 INC 3.1212 V1 29.483
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.806 GAP 10.63 AZP 90.14 TAL 148.12 TAP 60.61 RCA 96.86 APO 158.36 V2 35.254
 RC 138.949 GL -16.28 GP -7.60 ZAL 41.61 ZAP 162.98 ETS 334.61 ZAE 122.78 ETE 185.62 ZAC 108.26 ETC 13.01 CLP-164.73

PLANETOCENTRIC CONIC

C3 26.349 VHL 5.133 OLA -19.57 RAL 184.13 RAD 6568.1 VEL 12.154 PTH 2.18 VMP 7.244 OPA 4.47 RAP 158.49 ECC 1.4336
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 5 43 1621.44 -2.15 6.68 49.42 118.24 11 32 45 1021.4 1.64 .05
 90.00 17 34 19 5585.51 28.23 261.12 57.84 92.37 19 7 25 4985.5 28.26 252.46
 100.00 12 14 46 1398.62 -3.60 349.50 48.62 119.70 12 38 5 798.6 .38 342.97
 100.00 19 7 58 5283.56 29.88 238.96 57.90 90.98 20 36 1 4683.6 29.69 230.16
 110.00 12 56 32 1267.77 -7.19 337.36 46.40 123.51 13 17 39 667.8 -2.73 331.11
 110.00 20 42 41 4987.18 34.09 216.38 57.82 87.34 22 5 49 4387.2 33.35 207.22

DIFFERENTIAL CORRECTIONS

TDE-3.1024 TRA 4.3034 TC3-2.3917 BAU .8440
 RDE .2077 RRA .2983 RC3 -.1437 FAU .02302
 FDE-1.9722 FRA 2.7712 FC3 -.7562 BSP 21418
 BDE 3.1093 BRA 4.3137 BC3 2.3960 FSP -1200

MID-COURSE EXECUTION ACCURACY

SGT 6634.1 SGR 447.6 SG3 348.0
 RRT .4582 RRF .4238 RTF .9829
 SGB 6649.2 R23 -.0318 R13 .9828
 SG1 6637.3 SG2 397.7 TMA 1.78

ORBIT DETERMINATION ACCURACY

ST 3786.3 SR 255.0 SS 1509.5
 CRT -.6634 CRS .6601 CST -.9999
 LSA 4079.6 MSA 190.8 SSA 14.0
 EL1 3790.1 EL2 190.6 ALF 177.44

LAUNCH DATE MAY 12 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC

DISTANCE 598.345

RL 151.12 LAL -1.00 LOL 230.60 VL 26.741 GAL 9.62 AZL 93.21 MCA 275.74 SMA 127.45 ECC .24796 INC 3.2053 V1 29.483
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.786 GAP 11.23 AZP 90.32 TAL 147.23 TAP 62.98 RCA 95.85 APO 159.05 V2 35.251
 RC 141.095 GL -15.95 GP -7.28 ZAL 40.51 ZAP 164.38 ETS 333.17 ZAE 122.32 ETE 185.36 ZAC 106.41 ETC 13.11 CLP-166.14

PLANETOCENTRIC CONIC

C3 28.777 VHL 5.364 OLA -19.71 RAL 185.30 RAD 6568.2 VEL 12.254 PTH 2.20 VMP 7.575 OPA 4.10 RAP 160.31 ECC 1.4736
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 11 53 1637.80 -2.68 7.59 51.95 118.20 11 39 11 1037.8 1.11 .96
 90.00 17 37 28 5613.03 28.13 263.13 60.75 93.37 19 11 1 5013.0 28.30 254.47
 100.00 12 20 47 1415.48 -4.16 350.43 51.13 119.63 12 44 22 815.5 -.19 343.90
 100.00 19 11 16 5310.58 29.83 240.97 60.85 92.04 20 39 47 4710.6 29.79 232.17
 110.00 13 2 14 1285.56 -7.85 338.31 48.85 123.38 13 23 40 685.6 -3.41 332.04
 110.00 20 46 18 5013.27 34.16 218.42 60.87 88.54 22 9 51 4413.3 33.58 209.22

DIFFERENTIAL CORRECTIONS

TDE-3.2428 TRA 4.5873 TC3-2.1861 BAU .8424
 RDE .2355 RRA .2882 RC3 -.1230 FAU .02006
 FDE-1.9086 FRA 2.7356 FC3 -.6036 BSP 21630
 BDE 3.2514 BRA 4.5964 BC3 2.1896 FSP -1126

MID-COURSE EXECUTION ACCURACY

SGT 6677.2 SGR 433.1 SG3 325.7
 RRT .3942 RRF .3599 RTF .9827
 SGB 6691.2 R23 -.0314 R13 .9826
 SG1 6679.4 SG2 397.9 TMA 1.47

ORBIT DETERMINATION ACCURACY

ST 3799.9 SR 270.0 SS 1466.7
 CRT -.6996 CRS .6962 CST -.9999
 LSA 4077.5 MSA 192.9 SSA 13.7
 EL1 3804.6 EL2 192.7 ALF 177.15

LAUNCH DATE MAY 12 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC

DISTANCE 603.849

RL 151.12 LAL -1.00 LOL 230.60 VL 26.716 GAL 10.19 AZL 93.29 MCA 278.99 SMA 127.29 ECC .25553 INC 3.2903 V1 29.483
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.765 GAP 11.85 AZP 90.51 TAL 146.36 TAP 65.34 RCA 94.76 APO 159.81 V2 35.247
 RC 143.232 GL -15.59 GP -6.99 ZAL 39.42 ZAP 165.72 ETS 331.45 ZAE 121.88 ETE 185.13 ZAC 104.54 ETC 13.20 CLP-167.52

PLANETOCENTRIC CONIC

C3 31.518 VHL 5.614 OLA -19.81 RAL 186.45 RAD 6568.3 VEL 12.365 PTH 2.23 VMP 7.926 OPA 3.68 RAP 162.15 ECC 1.5187
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 17 34 1656.56 -3.28 8.64 54.50 118.14 11 45 11 1056.6 .51 2.01
 90.00 17 40 58 5639.90 28.01 265.08 63.70 94.35 19 14 58 5039.9 28.32 256.43
 100.00 12 26 21 1434.62 -4.81 351.49 53.66 119.54 12 50 15 834.6 -.84 344.95
 100.00 19 14 53 5337.07 29.75 242.94 63.83 93.07 20 43 50 4737.1 29.86 234.13
 110.00 13 7 35 1305.37 -8.59 339.36 51.33 123.21 13 29 21 705.4 -4.16 333.08
 110.00 20 50 7 5039.09 34.18 220.43 63.95 89.74 22 14 6 4439.1 33.77 211.21

DIFFERENTIAL CORRECTIONS

TDE-3.3880 TRA 4.8900 TC3-1.9858 BAU .8379
 RDE .2636 RRA .2771 RC3 -.1046 FAU .01730
 FDE-1.8496 FRA 2.7059 FC3 -.4753 BSP 21818
 BDE 3.3982 BRA 4.8979 BC3 1.9885 FSP -1057

MID-COURSE EXECUTION ACCURACY

SGT 6713.0 SGR 420.1 SG3 305.0
 RRT .3284 RRF .2947 RTF .9826
 SGB 6726.1 R23 -.0307 R13 .9825
 SG1 6714.4 SG2 396.8 TMA 1.18

ORBIT DETERMINATION ACCURACY

ST 3806.9 SR 283.7 SS 1426.4
 CRT -.7280 CRS .7247 CST -.9999
 LSA 4070.5 MSA 194.5 SSA 13.4
 EL1 3812.5 EL2 194.2 ALF 176.89

LAUNCH DATE MAY 12 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 18 1967

HELIOCENTRIC CONIC

DISTANCE 609.264

RL 151.12 LAL -1.00 LOL 230.60 VL 26.691 GAL 10.81 AZL 93.38 MCA 282.23 SMA 127.12 ECC .26374 INC 3.3769 V1 29.483
 RP 107.53 LAP 3.30 LOP 152.85 VP 37.743 GAP 12.51 AZP 90.72 TAL 145.49 TAP 67.72 RCA 93.59 APO 160.65 V2 35.243
 RC 145.356 GL -15.22 GP -6.72 ZAL 38.36 ZAP 167.02 ETS 329.39 ZAE 121.46 ETE 184.91 ZAC 102.64 ETC 13.27 CLP-168.87

PLANETOCENTRIC CONIC

C3 34.623 VHL 5.884 OLA -19.87 RAL 187.58 RAD 6568.4 VEL 12.490 PTH 2.26 VMP 8.299 OPA 3.21 RAP 163.99 ECC 1.5698
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 22 46 1677.67 -3.96 9.82 57.07 118.06 11 50 43 1077.7 -.17 3.19
 90.00 17 44 46 5666.15 27.86 266.99 66.67 95.29 19 19 13 5066.1 28.30 258.35
 100.00 12 31 28 1455.96 -5.52 352.67 56.21 119.42 12 55 44 856.0 -1.56 346.12
 100.00 19 18 45 5363.09 29.64 244.86 66.83 94.08 20 48 9 4763.1 29.89 236.07
 110.00 13 12 34 1327.15 -9.40 340.53 53.84 123.02 13 34 41 727.1 -4.99 334.22
 110.00 20 54 8 5064.67 34.17 222.43 67.07 90.92 22 18 33 4464.7 33.92 213.20

DIFFERENTIAL CORRECTIONS

TDE-3.5384 TRA 5.2139 TC3-1.7905 BAU .8298
 RDE .2922 RRA .2649 RC3 -.0883 FAU .01470
 FDE-1.7952 FRA 2.6825 FC3 -.3676 BSP 21972
 BDE 3.5504 BRA 5.2207 BC3 1.7926 FSP -992

MID-COURSE EXECUTION ACCURACY

SGT 6741.9 SGR 408.6 SG3 286.0
 RRT .2610 RRF .2286 RTF .9826
 SGB 6754.2 R23 -.0297 R13 .9826
 SG1 6742.7 SG2 394.4 TMA .91

ORBIT DETERMINATION ACCURACY

ST 3807.6 SR 296.2 SS 1388.6
 CRT -.7509 CRS .7475 CST -.9999
 LSA 4059.0 MSA 195.6 SSA 13.1
 EL1 3814.1 EL2 195.3 ALF 176.65

LAUNCH DATE MAY 13 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 22 1967

HELIOCENTRIC CONIC

DISTANCE 135.070

RL 151.16 LAL -1.00 LOL 231.57 VL 17.145 GAL 18.65 AZL 91.54 MCA 42.76 SMA 90.77 ECC .70677 INC 1.5400 V1 29.476
 RP 108.80 LAP -1.05 LOP 274.31 VP 31.267 GAP -43.79 AZP 91.13 TAL 171.75 TAP 214.50 RCA 26.62 APO 154.93 V2 34.831
 RC 69.138 GL -1.76 GP 1.89 ZAL 68.95 ZAP 29.46 ETS 185.66 ZAE 144.40 ETE 170.98 ZAC 138.73 ETC 26.54 CLP 29.41

PLANETOCENTRIC CONIC

C3 201.336 VHL 14.189 DLA 5.19 RAL 163.31 RAD 6571.1 VEL 17.963 PTH 3.00 VMP 25.017 DPA 23.61 RAP 127.05 ECC 4.3135
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 15 15 2895.84 -28.31 88.83 65.07 89.30 7 3 31 2295.8 -28.11 80.17
 90.00 19 30 46 5216.66 26.34 234.42 59.78 79.21 20 57 43 4616.7 24.59 226.19
 100.00 7 39 2 2625.58 -29.89 68.97 65.08 89.56 8 22 48 2025.6 -29.63 60.18
 100.00 20 49 40 4962.15 27.89 215.37 59.44 78.79 22 12 22 4362.2 26.06 207.05
 110.00 8 52 54 2394.43 -34.18 51.43 65.09 90.29 9 32 48 1794.4 -33.76 42.21
 110.00 21 52 18 4766.06 32.09 199.47 58.42 77.55 23 11 44 4166.1 30.05 190.86

DIFFERENTIAL CORRECTIONS

TDE .6926 TRA-1.7129 TC3 -.1077 BAU .2925
 RDE -.9946 RRA -.5216 RC3 .0143 FAU .01315
 FDE -.3217 FRA .6297 FC3 -.0566 BSP 2085
 BDE 1.2120 BRA 1.7906 BC3 .1087 FSP -.59

MID-COURSE EXECUTION ACCURACY

SGT 808.7 SGR 455.7 SG3 28.4
 RRT .0601 RRF -.0558 RTF -.6198
 SGB 928.3 R23 -.0014 R13 -.6200
 SGI 809.4 SG2 454.5 TMA 2.83

ORBIT DETERMINATION ACCURACY

ST 348.9 SR 406.6 SS 326.1
 CRT -.6987 CRS -.7711 CST .9925
 LSA 584.7 MSA 226.5 SSA 13.9
 EL1 495.0 EL2 205.0 ALF 128.80

LAUNCH DATE MAY 13 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 24 1967

HELIOCENTRIC CONIC

DISTANCE 140.883

RL 151.16 LAL -1.00 LOL 231.57 VL 17.858 GAL 17.89 AZL 91.70 MCA 45.92 SMA 92.35 ECC .67939 INC 1.7015 V1 29.476
 RP 108.82 LAP -1.22 LOP 277.48 VP 31.655 GAP -41.78 AZP 91.18 TAL 171.01 TAP 216.93 RCA 29.61 APO 155.09 V2 34.824
 RC 66.992 GL -2.14 GP 1.95 ZAL 67.80 ZAP 27.95 ETS 185.91 ZAE 144.93 ETE 170.05 ZAC 137.20 ETC 25.73 CLP 27.89

PLANETOCENTRIC CONIC

C3 182.172 VHL 13.497 DLA 4.40 RAL 164.23 RAD 6571.0 VEL 17.421 PTH 2.96 VMP 24.024 DPA 23.32 RAP 128.82 ECC 3.9981
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 24 54 2855.17 -28.31 85.86 64.34 90.79 7 12 30 2255.2 -27.90 77.21
 90.00 19 28 29 5225.61 26.45 235.05 59.87 79.51 20 55 34 4625.6 24.74 226.81
 100.00 7 48 19 2586.14 -29.87 66.04 64.31 91.11 8 31 25 1986.1 -29.40 57.27
 100.00 20 47 45 4969.87 27.99 215.92 59.55 79.06 22 10 35 4369.9 26.20 207.58
 110.00 9 1 18 2357.72 -34.13 48.56 64.18 91.99 9 40 36 1757.7 -33.48 39.38
 110.00 21 51 16 4771.05 32.17 199.84 58.56 77.75 23 10 47 4171.1 30.15 191.21

DIFFERENTIAL CORRECTIONS

TDE .6940 TRA-1.7173 TC3 -.1140 BAU .2807
 RDE -.9538 RRA -.5075 RC3 .0167 FAU .01332
 FDE -.3373 FRA .6518 FC3 -.0633 BSP 2196
 BDE 1.1796 BRA 1.7907 BC3 .1153 FSP -.65

MID-COURSE EXECUTION ACCURACY

SGT 846.3 SGR 461.1 SG3 30.8
 RRT .0636 RRF -.0591 RTF -.6389
 SGB 963.8 R23 -.0015 R13 -.6392
 SGI 847.0 SG2 459.8 TMA 2.81

ORBIT DETERMINATION ACCURACY

ST 367.4 SR 410.0 SS 343.9
 CRT -.6975 CRS -.7737 CST .9920
 LSA 606.1 MSA 232.2 SSA 14.2
 EL1 507.9 EL2 212.6 ALF 130.52

LAUNCH DATE MAY 13 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 26 1967

HELIOCENTRIC CONIC

DISTANCE 146.790

RL 151.16 LAL -1.00 LOL 231.57 VL 18.525 GAL 17.15 AZL 91.85 MCA 49.09 SMA 93.93 ECC .65250 INC 1.8464 V1 29.476
 RP 108.84 LAP -1.40 LOP 280.64 VP 32.028 GAP -39.87 AZP 91.21 TAL 170.28 TAP 219.37 RCA 32.64 APO 155.23 V2 34.817
 RC 64.892 GL -2.55 GP 2.01 ZAL 66.72 ZAP 26.46 ETS 186.20 ZAE 145.56 ETE 169.01 ZAC 135.64 ETC 24.96 CLP 26.39

PLANETOCENTRIC CONIC

C3 164.914 VHL 12.842 DLA 3.61 RAL 165.09 RAD 6570.8 VEL 16.919 PTH 2.92 VMP 23.068 DPA 23.02 RAP 130.61 ECC 3.7141
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 34 16 2813.76 -28.23 82.83 63.49 92.31 7 21 10 2213.8 -27.61 74.22
 90.00 19 25 57 5233.68 26.55 235.63 59.85 79.78 20 53 11 4633.7 24.87 227.36
 100.00 7 57 18 2545.95 -29.78 63.06 63.41 92.67 8 39 44 1945.9 -29.09 54.32
 100.00 20 45 37 4976.73 28.08 216.41 59.53 79.31 22 8 33 4376.7 26.32 208.05
 110.00 9 9 25 2320.23 -34.01 45.64 63.14 93.71 9 48 5 1720.2 -33.12 36.52
 110.00 21 49 59 4775.21 32.23 200.15 58.56 77.93 23 9 34 4175.2 30.23 191.51

DIFFERENTIAL CORRECTIONS

TDE .6970 TRA-1.7196 TC3 -.1198 BAU .2676
 RDE -.9134 RRA -.4928 RC3 .0195 FAU .01352
 FDE -.3536 FRA .6739 FC3 -.0710 BSP 2355
 BDE 1.1489 BRA 1.7889 BC3 .1214 FSP -.71

MID-COURSE EXECUTION ACCURACY

SGT 884.5 SGR 465.9 SG3 33.3
 RRT .0661 RRF -.0622 RTF -.6579
 SGB 999.7 R23 -.0022 R13 -.6582
 SGI 885.3 SG2 464.5 TMA 2.75

ORBIT DETERMINATION ACCURACY

ST 347.3 SR 412.8 SS 362.5
 CRT -.6974 CRS -.7765 CST .9916
 LSA 628.8 MSA 237.3 SSA 14.4
 EL1 521.7 EL2 219.6 ALF 132.38

LAUNCH DATE MAY 13 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 28 1967

HELIOCENTRIC CONIC

DISTANCE 152.783

RL 151.16 LAL -1.00 LOL 231.57 VL 19.148 GAL 16.43 AZL 91.98 MCA 52.25 SMA 95.52 ECC .62619 INC 1.9781 V1 29.476
 RP 108.86 LAP -1.56 LOP 283.80 VP 32.386 GAP -38.06 AZP 91.21 TAL 169.57 TAP 221.83 RCA 35.71 APO 155.34 V2 34.810
 RC 62.843 GL -2.97 GP 2.08 ZAL 65.69 ZAP 24.99 ETS 186.54 ZAE 146.29 ETE 167.86 ZAC 134.06 ETC 24.24 CLP 24.91

PLANETOCENTRIC CONIC

C3 149.358 VHL 12.221 DLA 2.82 RAL 165.88 RAD 6570.6 VEL 16.453 PTH 2.87 VMP 22.147 DPA 22.70 RAP 132.40 ECC 3.4580
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 43 21 2771.57 -28.08 79.75 62.51 93.84 7 29 33 2171.6 -27.25 71.18
 90.00 19 23 11 5240.93 26.64 236.14 59.69 80.02 20 50 32 4640.9 24.99 227.86
 100.00 8 6 1 2504.96 -29.61 60.02 62.39 94.26 8 47 46 1905.0 -28.71 51.33
 100.00 20 43 13 4982.77 28.16 216.85 59.39 79.52 22 6 15 4382.8 26.42 208.47
 110.00 9 17 16 2281.93 -33.80 42.67 61.97 95.46 9 55 18 1681.9 -32.67 33.62
 110.00 21 48 27 4778.56 32.27 200.40 58.44 78.07 23 8 5 4178.6 30.29 191.75

DIFFERENTIAL CORRECTIONS

TDE .7002 TRA-1.7211 TC3 -.1252 BAU .2540
 RDE -.8734 RRA -.4775 RC3 .0226 FAU .01375
 FDE -.3704 FRA .6962 FC3 -.0797 BSP 2523
 BDE 1.1194 BRA 1.7861 BC3 .1272 FSP -.79

MID-COURSE EXECUTION ACCURACY

SGT 924.2 SGR 470.1 SG3 36.1
 RRT .0686 RRF -.0655 RTF -.6763
 SGB 1036.8 R23 -.0030 R13 -.6766
 SGI 924.9 SG2 468.6 TMA 2.69

ORBIT DETERMINATION ACCURACY

ST 408.1 SR 415.0 SS 381.8
 CRT -.6975 CRS -.7792 CST .9912
 LSA 652.5 MSA 241.9 SSA 14.6
 EL1 536.2 EL2 226.3 ALF 134.32

LAUNCH DATE MAY 13 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 30 1967

HELIOCENTRIC CONIC
 RL 151.16 LAL -.00 LOL 231.57 VL 19.730 GAL 15.74 AZL 92.10 MCA 55.42 SMA 97.10 ECC .60053 INC 2.0989 V1 29.476
 RP 108.88 LAP -1.73 LOP 286.96 VP 32.728 GAP -36.34 AZP 91.19 TAL 168.88 TAP 224.30 RCA 38.79 APO 155.42 V2 34.805
 RC 60.850 GL -3.43 GP 2.15 ZAL 64.73 ZAP 23.54 ETS 186.93 ZAE 147.13 ETE 166.57 ZAC 132.46 ETC 23.57 CLP 23.45

PLANETOCENTRIC CONIC
 C3 135.324 VML 11.633 CLA 2.02 RAL 166.60 RAD 6570.5 VEL 16.020 PTM 2.82 VMP 21.258 DPA 22.36 RAP 134.21 ECC 3.2271
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 52 10 2728.57 -27.84 76.63 61.42 95.39 7 37 39 2128.6 -26.80 68.12
 90.00 19 20 9 5247.41 26.71 236.60 59.42 80.24 20 47 36 1863.2 -28.24 48.32
 100.00 8 14 27 2463.16 -29.36 56.94 61.25 95.87 8 55 30 4388.1 26.51 208.84
 100.00 20 40 33 4988.05 28.22 217.23 59.12 79.71 22 3 41 1642.8 -32.14 30.69
 110.00 9 24 51 2242.81 -33.50 39.66 60.69 97.22 10 2 14 4181.2 30.34 191.93
 110.00 21 46 38 4781.17 32.31 200.60 58.20 78.18 23 6 19

MID-COURSE EXECUTION ACCURACY
 SGT 966.4 SGR 473.5 SG3 39.2
 RRT .0726 RRF -.0693 RTF -.6934
 SGB 1076.2 R23 -.0032 R13 -.6937
 SGI 967.2 SG2 471.9 TMA 2.67

ORBIT DETERMINATION ACCURACY
 ST 429.2 SR 416.4 SS 401.5
 CRT -.6960 CRS -.7816 CST .9906
 LSA 676.7 MSA 246.3 SSA 14.8
 EL1 550.8 EL2 233.0 ALF 136.25

DIFFERENTIAL CORRECTIONS
 TOE .7009 TRA-1.7243 TC3 -.1308 BAU .2413
 RDE -.8340 RRA -.4619 RC3 .0261 FAU .01398
 FDE -.3876 FRA .7190 FC3 -.0895 BSP 2643
 BDE 1.0894 BRA 1.7851 BC3 .1334 FSP -87

LAUNCH DATE MAY 13 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 1 1967

HELIOCENTRIC CONIC
 RL 151.16 LAL -.00 LOL 231.57 VL 20.275 GAL 15.07 AZL 92.21 MCA 58.58 SMA 98.68 ECC .57558 INC 2.2108 V1 29.476
 RP 108.90 LAP -1.89 LOP 290.13 VP 33.054 GAP -34.70 AZP 91.15 TAL 168.22 TAP 226.80 RCA 41.88 APO 155.48 V2 34.800
 RC 58.919 GL -3.91 GP 2.22 ZAL 63.83 ZAP 22.10 ETS 187.40 ZAE 148.07 ETE 165.12 ZAC 130.83 ETC 22.93 CLP 22.00

PLANETOCENTRIC CONIC
 C3 122.655 VML 11.075 CLA 1.22 RAL 167.26 RAD 6570.3 VEL 15.620 PTM 2.78 VMP 20.400 DPA 22.01 RAP 136.02 ECC 3.0186
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 0 44 2684.74 -27.52 73.46 60.22 96.95 7 45 29 2084.7 -26.27 65.02
 90.00 19 16 50 5253.21 26.78 237.01 59.02 80.44 20 44 23 4653.2 25.19 228.70
 100.00 8 22 38 2420.53 -29.03 53.82 60.00 97.48 9 2 59 1820.5 -27.69 45.27
 100.00 20 37 36 4992.65 28.28 217.56 58.73 79.88 22 0 49 4392.6 26.59 209.16
 110.00 9 32 11 2202.85 -33.12 36.60 59.31 98.99 10 8 54 1602.9 -31.52 27.74
 110.00 21 44 33 4783.09 32.34 200.74 57.82 78.26 23 4 16 4183.1 30.38 192.07

MID-COURSE EXECUTION ACCURACY
 SGT 1009.3 SGR 476.3 SG3 42.4
 RRT .0755 RRF -.0729 RTF -.7105
 SGB 1116.0 R23 -.0041 R13 -.7108
 SGI 1010.1 SG2 474.5 TMA 2.62

ORBIT DETERMINATION ACCURACY
 ST 452.0 SR 417.1 SS 422.2
 CRT -.6961 CRS -.7843 CST .9901
 LSA 702.7 MSA 249.9 SSA 15.0
 EL1 566.8 EL2 238.8 ALF 138.29

DIFFERENTIAL CORRECTIONS
 TOE .7037 TRA-1.7245 TC3 -.1353 BAU .2273
 RDE -.7950 RRA -.4460 RC3 .0300 FAU .01426
 FDE -.4058 FRA .7419 FC3 -.1007 BSP 2821
 BDE 1.0617 BRA 1.7812 BC3 .1386 FSP -96

LAUNCH DATE MAY 13 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 3 1967

HELIOCENTRIC CONIC
 RL 151.16 LAL -.00 LOL 231.57 VL 20.785 GAL 14.42 AZL 92.32 MCA 61.74 SMA 100.24 ECC .55140 INC 2.3154 V1 29.476
 RP 108.91 LAP -2.04 LOP 293.29 VP 33.364 GAP -33.14 AZP 91.10 TAL 167.57 TAP 229.32 RCA 44.97 APO 155.51 V2 34.795
 RC 57.057 GL -4.42 GP 2.31 ZAL 62.99 ZAP 20.68 ETS 187.96 ZAE 149.13 ETE 163.49 ZAC 129.19 ETC 22.33 CLP 20.56

PLANETOCENTRIC CONIC
 C3 111.214 VML 10.546 CLA .41 RAL 167.85 RAD 6570.1 VEL 15.250 PTM 2.73 VMP 19.571 DPA 21.64 RAP 137.84 ECC 2.8303
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 9 2 2640.05 -27.11 70.26 58.91 98.51 7 53 2 2040.1 -25.65 61.89
 90.00 19 13 12 5258.41 26.84 237.38 58.51 80.61 20 40 51 4658.4 25.27 229.06
 100.00 8 30 34 2377.05 -28.60 50.65 58.65 99.09 9 10 11 1777.1 -27.05 42.20
 100.00 20 34 21 4996.64 28.32 217.84 58.22 80.02 21 57 38 4396.6 26.65 209.44
 110.00 9 39 16 2162.05 -32.64 33.51 57.82 100.76 10 15 18 1562.1 -30.81 24.77
 110.00 21 42 10 4784.41 32.35 200.84 57.33 78.32 23 1 54 4184.4 30.41 192.17

MID-COURSE EXECUTION ACCURACY
 SGT 1053.7 SGR 478.3 SG3 46.0
 RRT .0785 RRF -.0768 RTF -.7270
 SGB 1157.2 R23 -.0051 R13 -.7272
 SGI 1054.5 SG2 476.5 TMA 2.57

ORBIT DETERMINATION ACCURACY
 ST 475.8 SR 417.0 SS 443.8
 CRT -.6963 CRS -.7870 CST .9897
 LSA 730.1 MSA 252.9 SSA 15.1
 EL1 583.7 EL2 244.0 ALF 140.37

DIFFERENTIAL CORRECTIONS
 TOE .7065 TRA-1.7235 TC3 -.1391 BAU .2130
 RDE -.7566 RRA -.4298 RC3 .0344 FAU .01457
 FDE -.4248 FRA .7651 FC3 -.1134 BSP 3003
 BDE 1.0352 BRA 1.7763 BC3 .1433 FSP -105

LAUNCH DATE MAY 13 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 5 1967

HELIOCENTRIC CONIC
 RL 151.16 LAL -.00 LOL 231.57 VL 21.261 GAL 13.79 AZL 92.41 MCA 64.90 SMA 101.78 ECC .52802 INC 2.4139 V1 29.476
 RP 108.92 LAP -2.19 LOP 296.45 VP 33.659 GAP -31.64 AZP 91.02 TAL 166.96 TAP 231.86 RCA 48.04 APO 155.52 V2 34.792
 RC 55.270 GL -4.97 GP 2.40 ZAL 62.22 ZAP 19.28 ETS 188.63 ZAE 150.28 ETE 161.62 ZAC 127.53 ETC 21.76 CLP 19.13

PLANETOCENTRIC CONIC
 C3 100.879 VML 10.044 CLA -.40 RAL 168.36 RAD 6570.0 VEL 14.907 PTM 2.69 VMP 18.771 DPA 21.26 RAP 139.66 ECC 2.6602
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 17 7 2594.51 -26.61 67.02 57.50 100.06 8 0 21 1994.5 -24.95 58.74
 90.00 19 9 16 5263.12 26.89 237.71 57.87 80.77 20 36 59 4663.1 25.34 229.39
 100.00 8 38 16 2332.72 -28.08 47.46 57.20 100.69 9 17 9 1732.7 -26.32 39.10
 100.00 20 30 48 5000.14 28.37 218.10 57.59 80.15 21 54 8 4400.1 26.71 209.68
 110.00 9 46 5 2120.42 -32.07 30.40 56.25 102.52 10 21 26 1520.4 -30.01 21.79
 110.00 21 39 28 4785.20 32.37 200.90 56.71 78.35 22 59 13 4185.2 30.42 192.22

MID-COURSE EXECUTION ACCURACY
 SGT 1101.0 SGR 479.7 SG3 49.8
 RRT .0833 RRF -.0814 RTF -.7419
 SGB 1201.0 R23 -.0053 R13 -.7421
 SGI 1101.9 SG2 477.6 TMA 2.56

ORBIT DETERMINATION ACCURACY
 ST 499.6 SR 416.2 SS 466.1
 CRT -.6947 CRS -.7893 CST .9889
 LSA 757.9 MSA 255.8 SSA 15.3
 EL1 600.7 EL2 249.0 ALF 142.41

DIFFERENTIAL CORRECTIONS
 TOE .7067 TRA-1.7240 TC3 -.1430 BAU .2000
 RDE -.7189 RRA -.4135 RC3 .0394 FAU .01489
 FDE -.4444 FRA .7892 FC3 -.1278 BSP 3127
 BDE 1.0081 BRA 1.7729 BC3 .1483 FSP -115

LAUNCH DATE MAY 13 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 7 1967

HELIOCENTRIC CONIC

DISTANCE 183.867

RL 151.16 LAL -0.00 LOL 231.57 VL 21.707 GAL 13.18 AZL 92.51 MCA 68.06 SMA 103.30 ECC .50546 INC 2.5075 V1 29.476
 RP 108.93 LAP -2.33 LOP 299.61 VP 33.940 GAP -30.22 AZP 90.94 TAL 166.37 TAP 234.43 RCA 51.08 APO 155.51 V2 34.789
 RC 53.566 GL -5.55 GP 2.50 ZAL 61.52 ZAP 17.88 ETS 189.44 ZAE 151.55 ETE 159.47 ZAC 125.86 ETC 21.23 CLP 17.71

PLANETOCENTRIC CONIC

C3 91.542 VML 9.568 DLA -1.22 RAL 168.81 RAD 6569.8 VEL 14.591 PTH 2.65 VMP 17.997 DPA 20.87 RAP 141.48 ECC 2.5065
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 24 58 2548.10 -26.02 63.75 56.01 101.59 8 7 26 1948.1 -24.16 55.57
 90.00 19 4 59 5267.44 26.94 238.02 57.13 80.92 20 32 46 4667.4 25.41 229.69
 100.00 8 45 44 2287.54 -27.47 44.24 55.66 102.28 9 23 52 1687.5 -25.50 35.99
 100.00 20 26 53 5003.24 28.40 218.32 56.85 80.26 21 50 17 4403.2 26.76 209.90
 110.00 9 52 41 2077.97 -31.40 27.27 54.60 104.26 10 27 19 1478.0 -29.12 18.81
 110.00 21 36 26 4785.57 32.37 200.93 55.98 78.36 22 56 12 4185.6 30.43 192.25

DIFFERENTIAL CORRECTIONS

TCE .7094 TRA-1.7207 TC3 -.1449 BAU .1856
 RDE -.6817 RRA -.3972 RC3 .0449 FAU .01527
 FDE -.4655 FRA .8133 FC3 -.1444 BSP 3317
 BDE .9838 BRA 1.7660 BC3 .1517 FSP -127

MID-COURSE EXECUTION ACCURACY

SGT 1148.7 SGR 480.2 SG3 54.1
 RRT .0869 RRF -.0860 RTF -.7569
 SGB 1245.1 R23 -.0064 R13 -.7571
 SGI 1149.6 SG2 478.0 TMA 2.52

ORBIT DETERMINATION ACCURACY

ST 525.5 SR 414.4 SS 489.6
 CRT -.6951 CRS -.2920 CST .9884
 LSA 788.0 MSA 257.6 SSA 15.5
 EL1 619.7 EL2 252.6 ALF 144.51

LAUNCH DATE MAY 13 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC

DISTANCE 190.269

RL 151.16 LAL -0.00 LOL 231.57 VL 22.124 GAL 12.59 AZL 92.60 MCA 71.23 SMA 104.79 ECC .48376 INC 2.5969 V1 29.476
 RP 108.94 LAP -2.46 LOP 302.77 VP 34.206 GAP -28.85 AZP 90.84 TAL 165.81 TAP 237.04 RCA 54.09 APO 155.48 V2 34.786
 RC 51.953 GL -6.16 GP 2.61 ZAL 60.89 ZAP 16.50 ETS 190.43 ZAE 152.90 ETE 156.97 ZAC 124.17 ETC 20.73 CLP 16.30

PLANETOCENTRIC CONIC

C3 83.107 VML 9.116 DLA -2.04 RAL 169.19 RAD 6569.6 VEL 14.299 PTH 2.60 VMP 17.250 DPA 20.47 RAP 143.31 ECC 2.3677
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 32 36 2500.84 -25.33 60.46 54.43 103.10 8 14 17 1900.8 -23.27 52.39
 90.00 19 0 20 5271.53 26.98 238.31 56.27 81.06 20 28 12 4671.5 25.47 229.97
 100.00 8 52 59 2241.51 -26.76 41.01 54.05 103.84 9 30 21 1641.5 -24.59 32.88
 100.00 20 22 38 5006.09 28.43 218.52 56.00 80.36 21 46 4 4406.1 26.81 210.10
 110.00 9 59 3 2034.71 -30.63 24.13 52.88 105.97 10 32 58 1434.7 -28.14 15.82
 110.00 21 33 3 4785.65 32.37 200.93 55.14 78.37 22 52 49 4185.7 30.43 192.25

DIFFERENTIAL CORRECTIONS

TCE .7120 TRA-1.7162 TC3 -.1455 BAU .1713
 RDE -.6452 RRA -.3808 RC3 .0511 FAU .01568
 FDE -.4878 FRA .8381 FC3 -.1634 BSP 3507
 BDE .9609 BRA 1.7579 BC3 .1542 FSP -140

MID-COURSE EXECUTION ACCURACY

SGT 1198.1 SGR 480.1 SG3 58.6
 RRT .0910 RRF -.0910 RTF -.7713
 SGB 1290.7 R23 -.0076 R13 -.7715
 SGI 1199.1 SG2 477.7 TMA 2.48

ORBIT DETERMINATION ACCURACY

ST 552.4 SR 411.8 SS 514.3
 CRT -.6955 CRS -.7947 CST .9879
 LSA 819.8 MSA 258.8 SSA 15.6
 EL1 639.9 EL2 255.4 ALF 146.60

LAUNCH DATE MAY 13 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 196.722

RL 151.16 LAL -0.00 LOL 231.57 VL 22.513 GAL 12.02 AZL 92.68 MCA 74.39 SMA 106.24 ECC .46292 INC 2.6830 V1 29.476
 RP 108.94 LAP -2.58 LOP 305.94 VP 34.457 GAP -27.54 AZP 90.72 TAL 165.29 TAP 239.67 RCA 57.06 APO 155.43 V2 34.785
 RC 50.440 GL -6.81 GP 2.74 ZAL 60.32 ZAP 15.13 ETS 191.65 ZAE 154.35 ETE 154.06 ZAC 122.48 ETC 20.26 CLP 14.89

PLANETOCENTRIC CONIC

C3 75.489 VML 8.688 DLA -2.88 RAL 169.49 RAD 6569.5 VEL 14.030 PTH 2.56 VMP 16.527 DPA 20.06 RAP 145.12 ECC 2.2424
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 40 2 2452.72 -24.54 57.15 52.79 104.58 8 20 55 1852.7 -22.30 49.20
 90.00 18 55 17 5275.52 27.02 238.60 55.31 81.20 20 23 13 4675.5 25.53 230.25
 100.00 9 0 2 2194.66 -25.95 37.76 52.37 105.37 9 36 37 1594.7 -23.59 29.75
 100.00 20 17 59 5008.82 28.46 218.72 55.04 80.46 21 41 27 4408.8 26.85 210.29
 110.00 10 5 12 1990.68 -29.76 21.00 51.10 107.64 10 38 22 1390.7 -27.06 12.85
 110.00 21 29 18 4785.56 32.37 200.93 54.20 78.36 22 49 4 4185.6 30.43 192.25

DIFFERENTIAL CORRECTIONS

TCE .7150 TRA-1.7099 TC3 -.1444 BAU .1570
 RDE -.6093 RRA -.3646 RC3 .0579 FAU .01614
 FDE -.5115 FRA .8633 FC3 -.1851 BSP 3708
 BDE .9394 BRA 1.7483 BC3 .1556 FSP -154

MID-COURSE EXECUTION ACCURACY

SGT 1249.0 SGR 479.1 SG3 63.6
 RRT .0954 RRF -.0966 RTF -.7850
 SGB 1337.7 R23 -.0089 R13 -.7852
 SGI 1250.0 SG2 476.6 TMA 2.45

ORBIT DETERMINATION ACCURACY

ST 580.6 SR 408.3 SS 540.2
 CRT -.6962 CRS -.7974 CST .9875
 LSA 853.3 MSA 259.2 SSA 15.8
 EL1 661.5 EL2 257.2 ALF 148.65

LAUNCH DATE MAY 13 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC

DISTANCE 203.221

RL 151.16 LAL -0.00 LOL 231.57 VL 22.878 GAL 11.47 AZL 92.77 MCA 77.55 SMA 107.67 ECC .44295 INC 2.7666 V1 29.476
 RP 108.94 LAP -2.70 LOP 309.10 VP 34.696 GAP -26.28 AZP 90.60 TAL 164.80 TAP 242.34 RCA 59.98 APO 155.36 V2 34.784
 RC 49.035 GL -7.51 GP 2.87 ZAL 59.83 ZAP 13.78 ETS 193.17 ZAE 155.85 ETE 150.61 ZAC 120.78 ETC 19.81 CLP 13.48

PLANETOCENTRIC CONIC

C3 68.613 VML 8.283 DLA -3.73 RAL 169.71 RAD 6569.3 VEL 13.783 PTH 2.52 VMP 15.828 DPA 19.65 RAP 146.94 ECC 2.1292
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 47 17 2403.77 -23.66 53.83 51.09 106.02 8 27 21 1803.8 -21.24 46.00
 90.00 18 49 50 5279.59 27.06 238.89 54.24 81.34 20 17 49 4679.6 25.59 230.53
 100.00 9 6 53 2147.01 -25.05 34.50 50.64 106.86 9 42 40 1547.0 -22.51 26.63
 100.00 20 12 55 5011.59 28.50 218.92 53.99 80.56 21 36 27 4411.6 26.90 210.48
 110.00 10 11 7 1945.91 -28.80 17.87 49.27 109.26 10 43 33 1345.9 -25.90 9.89
 110.00 21 25 10 4785.45 32.37 200.92 53.15 78.36 22 44 56 4185.5 30.43 192.24

DIFFERENTIAL CORRECTIONS

TCE .7181 TRA-1.7023 TC3 -.1415 BAU .1430
 RDE -.5742 RRA -.3486 RC3 .0655 FAU .01665
 FDE -.5369 FRA .8894 FC3 -.2101 BSP 3908
 BDE .9194 BRA 1.7376 BC3 .1559 FSP -169

MID-COURSE EXECUTION ACCURACY

SGT 1301.5 SGR 477.4 SG3 69.1
 RRT .1005 RRF -.1028 RTF -.7980
 SGB 1386.3 R23 -.0104 R13 -.7983
 SGI 1302.5 SG2 474.6 TMA 2.43

ORBIT DETERMINATION ACCURACY

ST 610.0 SR 403.8 SS 567.6
 CRT -.6969 CRS -.8001 CST .9870
 LSA 888.8 MSA 259.0 SSA 15.9
 EL1 684.5 EL2 258.0 ALF 150.67

LAUNCH DATE MAY 13 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC

DISTANCE 209.760

RL 151.16 LAL -.00 LOL 231.57 VL 23.218 GAL 10.94 AZL 92.85 MCA 80.71 SMA 109.06 ECC .42385 INC 2.8481 V1 29.476
 RP 108.94 LAP -2.81 LOP 312.26 VP 34.921 GAP -25.08 AZP 90.46 TAL 164.34 TAP 245.05 RCA 62.83 APO 155.28 V2 34.784
 RC 47.750 GL -8.24 GP 3.02 ZAL 59.42 ZAP 12.44 ETS 195.09 ZAE 157.39 ETE 146.50 ZAC 119.07 ETC 19.39 CLP 12.07

PLANETOCENTRIC CONIC

C3 62.409 VHL 7.900 DLA -4.60 RAL 169.86 RAD 6569.2 VEL 13.556 PTH 2.48 VHP 15.152 DPA 19.23 RAP 148.75 ECC 2.0271
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 54 23 2354.01 -22.69 50.51 49.34 107.41 8 33 37 1754.0 -20.09 42.80
 90.00 18 43 55 5283.92 27.11 239.20 53.09 81.49 20 11 59 4683.9 25.65 230.83
 100.00 9 13 34 2098.58 -24.06 31.25 48.85 108.30 9 48 32 1498.6 -21.33 23.51
 100.00 20 7 25 5014.58 28.53 219.14 52.84 80.67 21 31 0 4414.6 26.95 210.69
 110.00 10 16 51 1900.43 -27.74 14.76 47.40 110.83 10 48 32 1300.4 -24.65 6.95
 110.00 21 20 37 4785.49 32.37 200.92 52.01 78.36 22 40 23 4185.5 30.43 192.24

DIFFERENTIAL CORRECTIONS

TDE .7192 TRA-1.6950 TC3 -.1377 BAU .1304
 RDE -.5398 RRA -.3329 RC3 .0739 FAU .01720
 FDE -.5640 FRA .9165 FC3 -.2386 BSP 4055
 BDE .8992 BRA 1.7274 BC3 .1563 FSP -185

MID-COURSE EXECUTION ACCURACY

SGT 1356.7 SGR 475.0 SG3 75.0
 RRT .1073 RRF -.1101 RTF -.8096
 SGB 1437.4 R23 -.0113 R13 -.8099
 SG1 1357.7 SG2 471.8 TMA 2.45

ORBIT DETERMINATION ACCURACY

ST 639.5 SR 398.2 SS 596.3
 CRT -.6964 CRS -.8025 CST .9863
 LSA 925.2 MSA 258.5 SSA 16.1
 EL1 707.7 EL2 258.3 ALF 152.61

LAUNCH DATE MAY 13 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 216.335

RL 151.16 LAL -.00 LOL 231.57 VL 23.536 GAL 10.43 AZL 92.93 MCA 83.87 SMA 110.41 ECC .40562 INC 2.9281 V1 29.476
 RP 108.94 LAP -2.91 LOP 315.42 VP 35.134 GAP -23.92 AZP 90.31 TAL 163.93 TAP 247.79 RCA 65.62 APO 155.19 V2 34.785
 RC 46.594 GL -9.03 GP 3.18 ZAL 59.08 ZAP 11.12 ETS 197.58 ZAE 158.93 ETE 141.57 ZAC 117.36 ETC 18.99 CLP 10.66

PLANETOCENTRIC CONIC

C3 56.815 VHL 7.538 DLA -5.48 RAL 169.93 RAD 6569.0 VEL 13.348 PTH 2.44 VHP 14.499 DPA 18.82 RAP 150.55 ECC 1.9350
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 1 19 2303.46 -21.62 47.19 47.54 108.74 8 39 43 1703.5 -18.86 39.60
 90.00 18 37 32 5288.69 27.16 239.54 51.85 81.65 20 5 41 4688.7 25.72 231.16
 100.00 9 20 5 2049.40 -22.97 28.00 47.04 109.68 9 54 14 1449.4 -20.08 20.40
 100.00 20 1 28 5017.98 28.57 219.38 51.60 80.80 21 25 6 4418.0 27.00 210.93
 110.00 10 22 23 1854.31 -26.58 11.67 45.51 112.33 10 53 18 1254.3 -23.32 4.03
 110.00 21 15 38 4785.84 32.37 200.95 50.79 78.38 22 35 24 4185.8 30.43 192.27

DIFFERENTIAL CORRECTIONS

TDE .7229 TRA-1.6839 TC3 -.1303 BAU .1174
 RDE -.5061 RRA -.3176 RC3 .0831 FAU .01782
 FDE -.5936 FRA .9442 FC3 -.2715 BSP 4262
 BDE .8824 BRA 1.7136 BC3 .1545 FSP -204

MID-COURSE EXECUTION ACCURACY

SGT 1412.1 SGR 471.7 SG3 81.6
 RRT .1139 RRF -.1180 RTF -.8213
 SGB 1488.8 R23 -.0130 R13 -.8216
 SG1 1413.3 SG2 468.3 TMA 2.45

ORBIT DETERMINATION ACCURACY

ST 671.4 SR 391.6 SS 627.0
 CRT -.6974 CRS -.8052 CST .9859
 LSA 964.9 MSA 256.8 SSA 16.2
 EL1 733.6 EL2 256.8 ALF 154.52

LAUNCH DATE MAY 13 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 222.942

RL 151.16 LAL -.00 LOL 231.57 VL 23.832 GAL 9.94 AZL 93.01 MCA 87.03 SMA 111.71 ECC .38824 INC 3.0072 V1 29.476
 RP 108.94 LAP -3.00 LOP 318.59 VP 35.334 GAP -22.80 AZP 90.16 TAL 163.55 TAP 250.58 RCA 68.34 APO 155.08 V2 34.786
 RC 45.578 GL -9.86 GP 3.35 ZAL 58.81 ZAP 9.83 ETS 200.86 ZAE 160.39 ETE 135.66 ZAC 115.65 ETC 18.61 CLP 9.24

PLANETOCENTRIC CONIC

C3 51.776 VHL 7.196 DLA -6.38 RAL 169.92 RAD 6568.9 VEL 13.158 PTH 2.40 VHP 13.867 DPA 18.40 RAP 152.34 ECC 1.8521
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 8 8 2252.15 -20.46 43.87 45.72 110.01 8 45 40 1652.1 -17.55 36.41
 90.00 18 30 38 5294.13 27.21 239.93 50.53 81.84 19 58 52 4694.1 25.80 231.54
 100.00 9 26 27 1999.52 -21.79 24.77 45.19 110.99 9 59 46 1399.5 -18.74 17.30
 100.00 19 55 0 5021.98 28.61 219.67 50.29 80.94 21 18 42 4422.0 27.06 211.21
 110.00 10 27 45 1807.59 -25.34 8.61 43.59 113.75 10 57 52 1207.6 -21.91 1.13
 110.00 21 10 11 4786.68 32.39 201.01 49.49 78.41 22 29 58 4186.7 30.45 192.33

DIFFERENTIAL CORRECTIONS

TDE .7271 TRA-1.6712 TC3 -.1199 BAU .1051
 RDE -.4732 RRA -.3027 RC3 .0933 FAU .01850
 FDE -.6258 FRA .9729 FC3 -.3094 BSP 4468
 BDE .8675 BRA 1.6984 BC3 .1519 FSP -224

MID-COURSE EXECUTION ACCURACY

SGT 1469.0 SGR 467.8 SG3 88.7
 RRT .1215 RRF -.1272 RTF -.8324
 SGB 1541.6 R23 -.0149 R13 -.8327
 SG1 1470.2 SG2 463.9 TMA 2.46

ORBIT DETERMINATION ACCURACY

ST 704.7 SR 383.7 SS 659.7
 CRT -.6986 CRS -.8077 CST .9855
 LSA 1006.9 MSA 254.5 SSA 16.3
 EL1 761.0 EL2 254.2 ALF 156.38

LAUNCH DATE MAY 13 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 229.577

RL 151.16 LAL -.00 LOL 231.57 VL 24.109 GAL 9.46 AZL 93.09 MCA 90.19 SMA 112.97 ECC .37172 INC 3.0859 V1 29.476
 RP 108.93 LAP -3.09 LOP 321.75 VP 35.524 GAP -21.73 AZP 89.99 TAL 163.21 TAP 253.40 RCA 70.98 APO 154.97 V2 34.788
 RC 44.711 GL -10.73 GP 3.55 ZAL 58.63 ZAP 8.58 ETS 205.27 ZAE 161.71 ETE 128.59 ZAC 113.94 ETC 18.26 CLP 7.81

PLANETOCENTRIC CONIC

C3 47.241 VHL 6.873 DLA -7.30 RAL 169.82 RAD 6568.8 VEL 12.985 PTH 2.37 VHP 13.256 DPA 18.00 RAP 154.13 ECC 1.7775
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 14 50 2200.10 -19.21 40.57 43.87 111.21 8 51 30 1600.1 -16.16 33.22
 90.00 18 23 11 5300.44 27.27 240.38 49.14 82.06 19 51 31 4700.4 25.89 231.98
 100.00 9 32 41 1948.97 -20.52 21.55 43.32 112.23 10 5 10 1349.0 -17.33 14.21
 100.00 19 48 1 5026.80 28.68 220.02 48.91 81.12 21 11 48 4426.8 27.14 211.55
 110.00 10 32 56 1760.32 -24.01 5.58 41.67 115.10 11 2 16 1160.3 -20.42 358.27
 110.00 21 4 15 4788.22 32.41 201.12 48.13 78.48 22 24 4 4188.2 30.48 192.44

DIFFERENTIAL CORRECTIONS

TDE .7320 TRA-1.6561 TC3 -.1059 BAU .0939
 RDE -.4409 RRA -.2884 RC3 .1044 FAU .01927
 FDE -.6610 FRA 1.0025 FC3 -.3531 BSP 4686
 BDE .8545 BRA 1.6810 BC3 .1487 FSP -247

MID-COURSE EXECUTION ACCURACY

SGT 1526.7 SGR 463.1 SG3 96.6
 RRT .1304 RRF -.1378 RTF -.8429
 SGB 1595.3 R23 -.0171 R13 -.8432
 SG1 1528.0 SG2 458.7 TMA 2.49

ORBIT DETERMINATION ACCURACY

ST 739.4 SR 374.7 SS 694.5
 CRT -.7000 CRS -.8102 CST .9851
 LSA 1051.7 MSA 251.4 SSA 16.4
 EL1 790.2 EL2 250.4 ALF 158.17

LAUNCH DATE MAY 13 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 236.235

RL 151.16 LAL -.00 LOL 231.57 VL 24.367 GAL 9.01 AZL 93.16 MCA 93.35 SMA 114.19 ECC .35603 INC 3.1646 VI 29.476
 RP 108.92 LAP -.3.16 LOP 324.92 VP 35.702 GAP -20.70 AZP 89.81 TAL 162.92 TAP 256.26 RCA 73.53 APO 154.84 V2 34.791
 RC 44.000 GL -11.67 GP 3.77 ZAL 58.53 ZAP 7.40 ETS 211.34 ZAE 162.79 ETE 120.28 ZAC 112.23 ETC 17.92 CLP 6.37

PLANETOCENTRIC CONIC

C3 43.166 VHL 6.570 DLA -8.24 RAL 169.65 RAD 6568.6 VEL 12.827 PTM 2.34 VMP 12.666 DPA 17.60 RAP 155.90 ECC 1.7104
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 21 28 2147.33 -17.88 37.27 42.02 112.33 8 57 15 1547.3 -14.70 30.04
 90.00 18 15 9 5307.86 27.34 240.91 47.69 82.32 19 43 37 4707.9 25.99 232.50
 100.00 9 38 49 1897.78 -19.17 18.35 41.44 113.39 10 10 27 1297.8 -15.84 11.13
 100.00 19 40 28 5032.66 28.72 220.45 47.47 81.34 21 4 21 4432.7 27.23 211.96
 110.00 10 37 58 1712.56 -22.60 2.59 39.74 116.36 11 6 31 1112.6 -18.87 355.44
 110.00 20 57 48 4790.64 32.44 201.31 46.70 78.58 22 17 39 4190.6 30.53 192.61

DIFFERENTIAL CORRECTIONS

TDE .7378 TRA-1.6393 TC3 -.0883 BAU .0844
 RDE -.4093 RRA -.2747 RC3 .1165 FAU .02011
 FDE -.6997 FRA 1.0335 FC3 -.4032 BSP 4897
 BDE .8437 BRA 1.6622 BC3 .1462 FSP -272

MID-COURSE EXECUTION ACCURACY

SGT 1585.6 SGR 457.7 SG3 105.2
 RRT .1409 RRF -.1503 RTF -.8529
 SGB 1650.3 R23 -.0196 R13 -.8532
 SG1 1587.0 SG2 452.7 TMA 2.54

ORBIT DETERMINATION ACCURACY

ST 775.7 SR 364.3 SS 731.9
 CRT -.7014 CRS -.8123 CST .9849
 LSA 1099.4 MSA 247.6 SSA 16.5
 EL1 821.2 EL2 245.3 ALF 159.90

LAUNCH DATE MAY 13 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 242.913

RL 151.16 LAL -.00 LOL 231.57 VL 24.608 GAL 8.57 AZL 93.24 MCA 96.51 SMA 115.36 ECC .34116 INC 3.2438 VI 29.476
 RP 108.91 LAP -.3.22 LOP 328.09 VP 35.870 GAP -19.70 AZP 89.63 TAL 162.66 TAP 259.17 RCA 76.00 APO 154.71 V2 34.795
 RC 43.455 GL -12.65 GP 4.01 ZAL 58.52 ZAP 6.34 ETS 219.87 ZAE 163.52 ETE 110.84 ZAC 110.53 ETC 17.61 CLP 4.92

PLANETOCENTRIC CONIC

C3 39.509 VHL 6.286 DLA -9.20 RAL 169.38 RAD 6568.5 VEL 12.684 PTM 2.30 VMP 12.096 DPA 17.23 RAP 157.65 ECC 1.6502
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 28 2 2093.87 -16.47 33.98 40.15 113.37 9 2 56 1493.9 -13.17 26.86
 90.00 18 6 29 5316.65 27.42 241.54 46.19 82.62 19 35 6 4716.6 26.11 233.12
 100.00 9 44 52 1845.97 -17.74 15.16 39.56 114.46 10 15 38 1246.0 -14.29 8.07
 100.00 19 32 20 5039.78 28.79 220.96 45.97 81.60 20 56 19 4439.8 27.33 212.47
 110.00 10 42 52 1664.36 -21.11 359.64 37.82 117.53 11 10 36 1064.4 -17.25 352.63
 110.00 20 50 49 4794.15 32.49 201.57 45.23 78.73 22 10 43 4194.2 30.59 192.86

DIFFERENTIAL CORRECTIONS

TDE .7442 TRA-1.6207 TC3 -.0667 BAU .0770
 RDE -.3784 RRA -.2617 RC3 .1297 FAU .02104
 FDE -.7425 FRA 1.0659 FC3 -.4610 BSP 5112
 BDE .8348 BRA 1.6417 BC3 .1459 FSP -300

MID-COURSE EXECUTION ACCURACY

SGT 1645.3 SGR 451.7 SG3 114.7
 RRT .1535 RRF -.1650 RTF -.8623
 SGB 1706.2 R23 -.0224 R13 -.8626
 SG1 1646.9 SG2 445.9 TMA 2.60

ORBIT DETERMINATION ACCURACY

ST 813.5 SR 352.5 SS 771.9
 CRT -.7025 CRS -.8141 CST .9847
 LSA 1150.0 MSA 243.2 SSA 16.6
 EL1 853.7 EL2 239.1 ALF 161.57

LAUNCH DATE MAY 13 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 249.607

RL 151.16 LAL -.00 LOL 231.57 VL 24.831 GAL 8.16 AZL 93.32 MCA 99.67 SMA 116.48 ECC .32710 INC 3.3241 VI 29.476
 RP 108.90 LAP -.3.28 LOP 331.25 VP 36.028 GAP -18.74 AZP 89.44 TAL 162.45 TAP 262.12 RCA 78.38 APO 154.58 V2 34.799
 RC 43.079 GL -13.70 GP 4.28 ZAL 58.58 ZAP 5.49 ETS 231.80 ZAE 163.82 ETE 100.64 ZAC 108.84 ETC 17.30 CLP 3.44

PLANETOCENTRIC CONIC

C3 36.232 VHL 6.019 DLA -10.19 RAL 169.04 RAD 6568.4 VEL 12.554 PTM 2.28 VMP 11.545 DPA 16.87 RAP 159.40 ECC 1.5963
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 34 35 2039.72 -14.98 30.70 38.29 114.31 9 8 34 1439.7 -11.57 23.68
 90.00 17 57 9 5327.04 27.51 242.29 44.64 82.99 19 25 56 4727.0 26.25 233.85
 100.00 9 50 52 1793.59 -16.23 12.00 37.69 115.45 10 20 46 1193.6 -12.67 5.02
 100.00 19 23 33 5048.41 28.88 221.59 44.43 81.92 20 47 41 4448.4 27.46 213.08
 110.00 10 47 39 1615.79 -19.55 356.73 35.91 118.61 11 14 35 1015.8 -15.58 349.86
 110.00 20 43 15 4798.98 32.55 201.93 43.71 78.93 22 3 14 4199.0 30.68 193.21

DIFFERENTIAL CORRECTIONS

TDE .7516 TRA-1.6000 TC3 -.0406 BAU .0725
 RDE -.3481 RRA -.2496 RC3 .1441 FAU .02207
 FDE -.7900 FRA 1.0998 FC3 -.5273 BSP 5326
 BDE .8283 BRA 1.6194 BC3 .1497 FSP -331

MID-COURSE EXECUTION ACCURACY

SGT 1705.5 SGR 445.1 SG3 125.2
 RRT .1686 RRF -.1825 RTF -.8711
 SGB 1762.6 R23 -.0256 R13 -.8715
 SG1 1707.3 SG2 438.3 TMA 2.70

ORBIT DETERMINATION ACCURACY

ST 852.9 SR 339.2 SS 815.0
 CRT -.7033 CRS -.8152 CST .9845
 LSA 1204.0 MSA 238.3 SSA 16.6
 EL1 888.1 EL2 231.6 ALF 163.20

LAUNCH DATE MAY 13 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 256.314

RL 151.16 LAL -.00 LOL 231.57 VL 25.039 GAL 7.76 AZL 93.41 MCA 102.84 SMA 117.55 ECC .31382 INC 3.4058 VI 29.476
 RP 108.88 LAP -.3.32 LOP 334.42 VP 36.176 GAP -17.81 AZP 89.24 TAL 162.28 TAP 265.11 RCA 80.66 APO 154.44 V2 34.804
 RC 42.876 GL -14.80 GP 4.58 ZAL 58.74 ZAP 4.97 ETS 247.56 ZAE 163.62 ETE 90.30 ZAC 107.17 ETC 17.02 CLP 1.94

PLANETOCENTRIC CONIC

C3 33.303 VHL 5.771 DLA -11.20 RAL 168.60 RAD 6568.3 VEL 12.437 PTM 2.25 VMP 11.013 DPA 16.54 RAP 161.12 ECC 1.5481
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 41 9 1984.88 -13.41 27.44 36.44 115.17 9 14 14 1384.9 -9.91 20.51
 90.00 17 47 6 5339.32 27.60 243.18 43.06 83.42 19 16 5 4739.3 26.41 234.71
 100.00 9 56 51 1740.63 -14.66 8.86 35.82 116.35 10 25 52 1140.6 -11.00 1.98
 100.00 19 14 5 5058.80 28.97 222.35 42.86 82.31 20 38 24 4458.8 27.61 213.81
 110.00 10 52 20 1566.88 -17.93 353.87 34.01 119.60 11 18 27 966.9 -13.86 347.12
 110.00 20 35 5 4805.32 32.63 202.41 42.17 79.20 21 55 10 4205.3 30.80 193.67

DIFFERENTIAL CORRECTIONS

TDE .7604 TRA-1.5777 TC3 -.0097 BAU .0712
 RDE -.3182 RRA -.2383 RC3 .1596 FAU .02321
 FDE -.8429 FRA 1.1355 FC3 -.6034 BSP 5545
 BDE .8243 BRA 1.5956 BC3 .1599 FSP -365

MID-COURSE EXECUTION ACCURACY

SGT 1766.4 SGR 438.1 SG3 136.8
 RRT .1868 RRF -.2034 RTF -.8794
 SGB 1819.9 R23 -.0293 R13 -.8799
 SG1 1768.4 SG2 429.9 TMA 2.82

ORBIT DETERMINATION ACCURACY

ST 894.2 SR 324.2 SS 861.5
 CRT -.7034 CRS -.8155 CST .9845
 LSA 1261.8 MSA 232.9 SSA 16.6
 EL1 924.6 EL2 222.8 ALF 164.79

LAUNCH DATE MAY 13 1967

FLIGHT TIME 110.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 263.030
 RL 151.16 LAL -.00 LOL 231.57 VL 25.233 GAL 7.38 AZL 93.49 MCA 106.00 SMA 118.57 ECC .30131 INC 3.4897 V1 29.476
 RP 108.87 LAP -3.35 LOP 337.59 VP 36.316 GAP -16.92 AZP 89.04 TAL 162.15 TAP 268.15 RCA 82.84 APO 154.30 V2 34.809
 RC 42.849 GL -15.96 GP 4.91 ZAL 58.98 ZAP 4.93 ETS 265.65 ZAE 162.95 ETE 80.52 ZAC 105.50 ETC 16.75 CLP .42

PLANETOCENTRIC CONIC

C3 30.690 VHL 5.540 DLA -12.25 RAL 168.08 RAD 6568.2 VEL 12.331 PTH 2.22 VHP 10.499 DPA 16.24 RAP 162.83 ECC 1.5051
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 47 47 1929.31 -11.78 24.17 34.61 115.94 9 19 57 1329.3 -8.20 17.32
 90.00 17 36 17 5353.76 27.71 244.22 41.45 83.94 19 5 31 4753.8 26.58 235.73
 100.00 10 2 52 1687.10 -13.02 5.73 33.98 117.15 10 30 59 1087.1 -9.28 358.94
 100.00 19 3 53 5071.21 29.08 223.26 41.27 82.77 20 28 25 4471.2 27.78 214.70
 110.00 10 56 58 1517.67 -16.25 351.04 32.14 120.49 11 22 15 917.7 -12.09 344.41
 110.00 20 26 17 4813.40 32.73 203.02 40.61 79.55 21 46 30 4213.4 30.95 194.25

DIFFERENTIAL CORRECTIONS

TDE .7707 TRA-1.5535 TC3 .0259 BAU .0731
 RDE -.2888 RRA -.2280 RC3 .1763 FAU .02447
 FDE -.9023 FRA 1.1731 FC3 -.6903 BSP 5752
 BDE .8230 BRA 1.5702 BC3 .1782 FSP -403

MID-COURSE EXECUTION ACCURACY

SGT 1827.4 SGR 430.8 SG3 149.6
 RRT .2088 RRF -.2284 RTF -.8873
 SGB 1877.5 R23 -.0335 R13 -.8877
 SGI 1829.7 SG2 420.8 TMA 2.98

ORBIT DETERMINATION ACCURACY

ST 937.3 SR 307.4 SS 911.7
 CRT -.7023 CRS -.8145 CST .9846
 LSA 1323.8 MSA 227.0 SSA 16.6
 EL1 963.2 EL2 212.9 ALF 166.35

LAUNCH DATE MAY 13 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 269.752
 RL 151.16 LAL -.00 LOL 231.57 VL 25.412 GAL 7.02 AZL 93.58 MCA 109.17 SMA 119.54 ECC .28954 INC 3.5764 V1 29.476
 RP 108.85 LAP -3.38 LOP 340.77 VP 36.447 GAP -16.05 AZP 88.82 TAL 162.06 TAP 271.22 RCA 84.93 APO 154.15 V2 34.815
 RC 42.995 GL -17.18 GP 5.29 ZAL 59.30 ZAP 5.41 ETS 282.62 ZAE 161.87 ETE 71.81 ZAC 103.86 ETC 16.49 CLP -1.14

PLANETOCENTRIC CONIC

C3 28.366 VHL 5.326 DLA -13.32 RAL 167.46 RAD 6568.1 VEL 12.237 PTH 2.20 VHP 10.004 DPA 15.98 RAP 164.53 ECC 1.4668
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 54 33 1872.97 -10.08 20.90 32.80 116.60 9 25 46 1273.0 -6.43 14.13
 90.00 17 24 38 5370.68 27.83 245.44 39.82 84.54 18 54 9 4770.7 26.78 236.93
 100.00 10 8 57 1632.97 -11.32 2.61 32.16 117.85 10 36 10 1033.0 -7.50 355.90
 100.00 18 52 56 5085.91 29.21 224.33 39.66 83.33 20 17 42 4485.9 27.97 215.74
 110.00 11 1 33 1468.20 -14.52 348.25 30.29 121.29 11 26 1 868.2 -10.28 341.72
 110.00 20 16 49 4823.44 32.86 203.77 39.03 79.99 21 37 12 4223.4 31.12 194.98

DIFFERENTIAL CORRECTIONS

TDE .7833 TRA-1.5259 TC3 .0683 BAU .0781
 RDE -.2593 RRA -.2189 RC3 .1944 FAU .02588
 FDE -.9694 FRA 1.2127 FC3 -.7900 BSP 5987
 BDE .8252 BRA 1.5415 BC3 .2061 FSP -446

MID-COURSE EXECUTION ACCURACY

SGT 1887.1 SGR 423.5 SG3 163.8
 RRT .2353 RRF -.2585 RTF -.8951
 SGB 1934.0 R23 -.0386 R13 -.8956
 SGI 1889.9 SG2 411.0 TMA 3.17

ORBIT DETERMINATION ACCURACY

ST 983.0 SR 288.5 SS 966.3
 CRT -.6999 CRS -.8115 CST .9849
 LSA 1390.8 MSA 220.5 SSA 16.6
 EL1 1004.4 EL2 220.7 ALF 167.90

LAUNCH DATE MAY 13 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 276.479
 RL 151.16 LAL -.00 LOL 231.57 VL 25.579 GAL 6.67 AZL 93.67 MCA 112.33 SMA 120.46 ECC .27849 INC 3.6664 V1 29.476
 RP 108.83 LAP -3.39 LOP 343.94 VP 36.570 GAP -15.21 AZP 88.61 TAL 162.01 TAP 274.34 RCA 86.91 APO 154.01 V2 34.822
 RC 43.312 GL -18.47 GP 5.71 ZAL 59.72 ZAP 6.34 ETS 295.98 ZAE 160.48 ETE 64.41 ZAC 102.24 ETC 16.24 CLP -2.74

PLANETOCENTRIC CONIC

C3 26.307 VHL 5.129 DLA -14.42 RAL 166.76 RAD 6568.1 VEL 12.152 PTH 2.18 VHP 9.526 DPA 15.78 RAP 166.20 ECC 1.4329
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 1 31 1815.77 -8.32 17.62 31.03 117.16 9 31 47 1215.8 -4.62 10.91
 90.00 17 12 5 5390.39 27.95 246.87 38.19 85.25 18 41 55 4790.4 27.00 238.34
 100.00 10 15 9 1578.20 -9.56 359.50 30.37 118.46 10 41 27 478.2 -5.68 352.86
 100.00 18 41 8 5103.19 29.34 225.60 38.04 83.98 20 6 11 4503.2 28.19 216.98
 110.00 11 6 8 1418.49 -12.75 345.49 28.47 121.99 11 29 47 818.5 -8.43 339.05
 110.00 20 6 38 4835.67 33.00 204.70 37.46 80.52 21 27 14 4235.7 31.34 195.87

DIFFERENTIAL CORRECTIONS

TDE .7956 TRA-1.4985 TC3 .1139 BAU .0852
 RDE -.2302 RRA -.2109 RC3 .2139 FAU .02744
 FDE -1.0449 FRA 1.2550 FC3 -.9031 BSP 6191
 BDE .8282 BRA 1.5132 BC3 .2423 FSP -492

MID-COURSE EXECUTION ACCURACY

SGT 1947.0 SGR 416.5 SG3 179.5
 RRT .2683 RRF -.2950 RTF -.9017
 SGB 1991.1 R23 -.0439 R13 -.9023
 SGI 1950.4 SG2 400.6 TMA 3.43

ORBIT DETERMINATION ACCURACY

ST 1028.9 SR 267.4 SS 1025.3
 CRT -.6930 CRS -.8054 CST .9851
 LSA 1461.3 MSA 214.4 SSA 16.5
 EL1 1046.1 EL2 189.6 ALF 169.44

LAUNCH DATE MAY 13 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 283.206
 RL 151.16 LAL -.00 LOL 231.57 VL 25.733 GAL 6.35 AZL 93.76 MCA 115.50 SMA 121.33 ECC .26814 INC 3.7607 V1 29.476
 RP 108.80 LAP -3.39 LOP 347.11 VP 36.685 GAP -14.41 AZP 88.38 TAL 162.00 TAP 277.50 RCA 88.80 APO 153.87 V2 34.830
 RC 43.796 GL -19.81 GP 6.20 ZAL 60.21 ZAP 7.58 ETS 305.57 ZAE 158.88 ETE 58.32 ZAC 100.65 ETC 16.00 CLP -4.38

PLANETOCENTRIC CONIC

C3 24.490 VHL 4.949 DLA -15.56 RAL 165.98 RAD 6568.0 VEL 12.078 PTH 2.16 VHP 9.066 DPA 15.63 RAP 167.85 ECC 1.4030
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 8 46 1757.58 -6.50 14.32 29.30 117.62 9 38 3 1157.6 -2.75 7.65
 90.00 16 58 33 5413.27 28.07 248.54 36.56 86.07 18 28 47 4813.3 27.23 239.97
 100.00 10 21 33 1522.71 -7.74 356.38 28.62 118.96 10 46 56 922.7 -3.82 349.79
 100.00 18 28 27 5123.37 29.47 237.08 36.43 84.75 19 53 50 4523.4 28.43 218.43
 110.00 11 10 47 1368.51 -10.93 342.76 26.70 122.59 11 33 35 768.5 -6.56 336.40
 110.00 19 55 43 4850.33 33.15 205.82 35.90 81.16 21 16 33 4250.3 31.58 196.94

DIFFERENTIAL CORRECTIONS

TDE .8132 TRA-1.4662 TC3 .1684 BAU .0946
 RDE -.2007 RRA -.2044 RC3 .2349 FAU .02922
 FDE -1.1319 FRA 1.2986 FC3 -.10329 BSP 6452
 BDE .8376 BRA 1.4804 BC3 .2890 FSP -547

MID-COURSE EXECUTION ACCURACY

SGT 2004.9 SGR 410.3 SG3 197.0
 RRT .3073 RRF -.3383 RTF -.9089
 SGB 2046.4 R23 -.0505 R13 -.9096
 SGI 2009.0 SG2 389.7 TMA 3.74

ORBIT DETERMINATION ACCURACY

ST 1079.8 SR 243.9 SS 1090.4
 CRT -.6828 CRS -.7948 CST .9857
 LSA 1539.8 MSA 207.2 SSA 16.3
 EL1 1092.9 EL2 176.0 ALF 171.00

LAUNCH DATE MAY 13 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 289.932

RL 151.16 LAL -.00 LOL 231.57 VL 25.876 GAL 6.04 AZL 93.86 MCA 118.67 SMA 122.15 ECC .25847 INC 3.8602 VI 29.476
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.792 GAP -13.62 A7P 88.15 TAL 162.03 TAP 280.69 RCA 90.58 APO 153.73 V2 34.83H
 RC 44.440 GL -21.23 GP 6.75 ZAL 60.79 ZAP 9.07 ETS 312.27 ZAE 157.16 ETE 53.41 ZAC 99.08 ETC 15.77 CLP -6.07

PLANETOCENTRIC CONIC

C3 22.896 VHL 4.785 OLA -16.73 RAL 165.10 RAD 6567.9 VEL 12.011 PTH 2.14 VMP 8.624 DPA 15.56 RAP 169.48 ECC 1.376H
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 16 24 1698.18 -4.61 10.97 27.62 117.97 9 44 43 1098.2 -.84 4.33
 90.00 16 43 57 5439.76 28.17 250.47 34.93 87.03 18 14 36 4839.8 27.47 241.87
 100.00 10 28 15 1466.35 -5.87 353.24 26.93 119.36 10 52 42 866.4 -1.91 346.69
 100.00 18 14 47 5146.81 29.60 228.81 34.83 85.65 19 40 34 4546.8 28.69 220.13
 110.00 11 15 31 1318.26 -9.07 340.05 24.97 123.10 11 37 30 718.3 -4.65 333.75
 110.00 19 44 0 4867.67 33.33 207.14 34.36 81.92 21 5 8 4267.7 31.85 198.22

DIFFERENTIAL CORRECTIONS

TOE .8299 TRA-1.4346 TC3 .2234 BAU .1044
 RDE -.1706 RRA -.1993 RC3 .2575 FAU .03114
 FDE-1.2298 FRA 1.3463 FC3-1.1774 BSP 6651
 BDE .8473 BRA 1.4484 BC3 .3409 FSP -606

MID-COURSE EXECUTION ACCURACY

SGT 2061.7 SGR 405.7 SG3 216.4
 RRT .3548 RRF -.3902 RTF -.9149
 SGB 2101.3 R23 -.0581 R13 -.9157
 SGI 2066.9 SG2 378.3 TMA 4.13

ORBIT DETERMINATION ACCURACY

ST 1130.1 SR 217.6 SS 1160.2
 CRT -.6615 CRS -.7754 CST .9861
 LSA 1621.7 MSA 200.8 SSA 16.0
 EL1 1139.4 EL2 161.9 ALF 172.59

LAUNCH DATE MAY 13 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 296.654

RL 151.16 LAL -.00 LOL 231.57 VL 26.007 GAL 5.74 AZL 93.97 MCA 121.84 SMA 122.93 ECC .24945 INC 3.9659 VI 29.476
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.893 GAP -12.87 A7P 87.91 TAL 162.09 TAP 283.93 RCA 92.26 APO 153.59 V2 34.846
 RC 45.237 GL -22.70 GP 7.38 ZAL 61.44 ZAP 10.73 ETS 316.95 ZAE 155.39 ETE 49.53 ZAC 97.55 ETC 15.54 CLP -7.82

PLANETOCENTRIC CONIC

C3 21.509 VHL 4.638 OLA -17.93 RAL 164.15 RAD 6567.9 VEL 11.954 PTH 2.13 VMP 8.198 DPA 15.57 RAP 171.08 ECC 1.3540
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 24 36 1637.28 -2.66 7.56 26.01 118.20 9 51 53 1037.3 1.13 .94
 90.00 16 28 7 5470.37 28.26 252.70 33.33 88.15 17 59 18 4870.4 27.71 244.08
 100.00 10 35 21 1408.94 -3.94 350.07 25.30 119.65 10 58 50 808.9 .03 343.54
 100.00 18 0 3 5173.94 29.73 230.82 33.26 86.70 19 26 16 4573.9 28.95 222.10
 110.00 11 20 27 1267.66 -7.18 337.36 23.30 123.51 11 41 34 667.7 -2.73 331.10
 110.00 19 31 26 4887.98 33.51 208.70 32.85 82.83 20 52 54 4288.0 32.16 199.73

DIFFERENTIAL CORRECTIONS

TOE .8487 TRA-1.4015 TC3 .2815 BAU .1146
 RDE -.1394 RRA -.1960 RC3 .2820 FAU .03327
 FDE-1.3420 FRA 1.3970 FC3-1.3390 BSP 6841
 BDE .8600 BRA 1.4152 BC3 .3985 FSP -671

MID-COURSE EXECUTION ACCURACY

SGT 2116.5 SGR 403.5 SG3 237.9
 RRT .4109 RRF -.4510 RTF -.9204
 SGB 2154.6 R23 -.0670 R13 -.9214
 SGI 2123.2 SG2 366.7 TMA 4.62

ORBIT DETERMINATION ACCURACY

ST 1182.1 SR 188.5 SS 1236.3
 CRT -.6228 CRS -.7404 CST .9867
 LSA 1709.7 MSA 194.7 SSA 15.7
 EL1 1188.0 EL2 146.8 ALF 174.24

LAUNCH DATE MAY 13 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 303.370

RL 151.16 LAL -.00 LOL 231.57 VL 26.129 GAL 5.47 AZL 94.08 MCA 125.01 SMA 123.65 ECC .24106 INC 4.0792 VI 29.476
 RP 108.72 LAP -3.34 LOP 356.64 VP 36.988 GAP -12.13 A7P 87.66 TAL 162.18 TAP 287.19 RCA 93.85 APO 153.46 V2 34.856
 RC 46.178 GL -24.24 GP 8.10 ZAL 62.17 ZAP 12.56 ETS 320.24 ZAE 153.64 ETE 46.53 ZAC 96.06 ETC 15.31 CLP -9.63

PLANETOCENTRIC CONIC

C3 20.313 VHL 4.507 OLA -19.17 RAL 163.11 RAD 6567.8 VEL 11.903 PTH 2.12 VMP 7.791 DPA 15.69 RAP 172.67 ECC 1.3343
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 33 31 1574.41 -.63 4.06 24.47 118.31 9 59 46 974.4 3.16 357.42
 90.00 16 10 54 5505.78 28.31 255.29 31.75 89.45 17 42 40 4905.8 27.94 246.65
 100.00 10 43 1 1350.15 -1.96 346.83 23.74 119.83 11 5 31 750.1 2.03 340.31
 100.00 17 44 5 5205.28 29.83 233.15 31.71 87.92 19 10 51 4605.3 29.22 224.39
 110.00 11 25 38 1216.62 -5.26 334.66 21.69 123.83 11 45 54 616.6 -.78 328.44
 110.00 19 17 58 4911.57 33.70 210.51 31.39 83.89 20 39 50 4311.6 32.49 201.49

DIFFERENTIAL CORRECTIONS

TOE .8699 TRA-1.3665 TC3 .3422 BAU .1251
 RDE -.1065 RRA -.1946 RC3 .3086 FAU .03562
 FDE-1.4708 FRA 1.4508 FC3-1.5183 BSP 7028
 BDE .8763 BRA 1.3803 BC3 .4608 FSP -745

MID-COURSE EXECUTION ACCURACY

SGT 2168.1 SGR 405.4 SG3 261.8
 RRT .4754 RRF -.5203 RTF -.9256
 SGB 2205.7 R23 -.0774 R13 -.9269
 SGI 2176.9 SG2 355.2 TMA 5.22

ORBIT DETERMINATION ACCURACY

ST 1235.9 SR 156.8 SS 1319.2
 CRT -.5486 CRS -.6730 CST .9873
 LSA 1804.5 MSA 188.8 SSA 15.3
 EL1 1238.9 EL2 130.7 ALF 175.98

LAUNCH DATE MAY 13 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 310.079

RL 151.16 LAL -.00 LOL 231.57 VL 26.240 GAL 5.21 AZL 94.20 MCA 128.18 SMA 124.33 ECC .23327 INC 4.2017 VI 29.476
 RP 108.69 LAP -3.30 LOP 359.82 VP 37.076 GAP -11.42 A7P 87.40 TAL 162.30 TAP 290.48 RCA 95.33 APO 153.33 V2 34.865
 RC 47.255 GL -25.84 GP 8.94 ZAL 62.96 ZAP 14.53 ETS 322.54 ZAE 151.94 ETE 44.29 ZAC 94.60 ETC 15.09 CLP -11.51

PLANETOCENTRIC CONIC

C3 19.296 VHL 4.393 OLA -20.45 RAL 161.99 RAD 6567.8 VEL 11.861 PTH 2.10 VMP 7.400 DPA 15.94 RAP 174.24 ECC 1.3176
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 43 28 1508.88 1.48 .40 23.04 118.28 10 8 37 908.9 5.25 353.75
 90.00 15 52 2 5546.91 28.30 258.30 30.20 90.96 17 24 29 4946.9 28.14 249.64
 100.00 10 51 26 1289.52 .10 343.51 22.27 119.89 11 12 56 689.5 4.07 336.98
 100.00 17 26 45 5241.50 29.89 235.84 30.21 89.34 18 54 6 4641.5 29.47 227.06
 110.00 11 31 11 1164.94 -3.29 331.95 20.15 124.04 11 50 36 564.9 1.20 325.74
 110.00 19 3 29 4938.85 33.88 212.62 29.98 85.13 20 25 48 4338.9 32.83 203.54

DIFFERENTIAL CORRECTIONS

TOE .8932 TRA-1.3297 TC3 .4034 BAU .1357
 RDE -.0711 RRA -.1954 RC3 .3377 FAU .03822
 FDE-1.6189 FRA 1.5080 FC3-1.7148 BSP 7205
 BDE .8960 BRA 1.3440 BC3 .5261 FSP -826

MID-COURSE EXECUTION ACCURACY

SGT 2215.7 SGR 413.1 SG3 288.3
 RRT .5469 RRF -.5964 RTF -.9305
 SGB 2253.9 R23 -.0895 R13 -.9321
 SGI 2227.5 SG2 344.0 TMA 5.97

ORBIT DETERMINATION ACCURACY

ST 1290.6 SR 123.9 SS 1409.2
 CRT -.3921 CRS -.5279 CST .9879
 LSA 1906.1 MSA 183.3 SSA 14.8
 EL1 1291.5 EL2 113.9 ALF 177.83

LAUNCH DATE MAY 13 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 316.779
 RL 151.16 LAL -.00 LOL 231.57 VL 26.343 GAL 4.97 AZL 94.34 MCA 131.36 SMA 124.96 ECC .22607 INC 4.3355 V1 29.476
 RP 108.66 LAP -3.25 LOP 3.01 VP 37.158 GAP -10.73 AZP 87.13 TAL 162.45 TAP 293.81 RCA 96.71 APO 153.21 V2 34.875
 RC 48.458 GL -27.51 GP 9.91 ZAL 63.82 ZAP 16.67 ETS 324.12 ZAE 150.31 ETE 42.72 ZAC 93.19 ETC 14.86 CLP -13.47

PLANETOCENTRIC CONIC

C3 18.449 VHL 4.295 DLA -21.78 RAL 160.79 RAD 6567.7 VEL 11.825 PTH 2.09 VMP 7.028 DPA 16.34 RAP 175.78 ECC 1.3036
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 54 50 1439.59 3.71 356.53 21.73 118.09 10 18 50 839.6 7.44 349.83
 90.00 15 31 8 5595.08 28.20 261.82 28.68 92.72 17 4 23 4995.1 28.28 253.15
 100.00 11 0 54 1226.35 2.24 340.04 20.91 119.82 11 21 21 626.3 6.19 333.48
 100.00 17 7 44 5283.56 29.88 238.96 28.74 90.98 18 35 48 4683.6 29.69 230.16
 110.00 11 37.16 1112.37 -1.28 329.20 18.71 124.16 11 55 49 512.4 3.21 323.00
 110.00 18 47 52 4970.30 34.03 215.07 28.64 86.56 20 10 42 4370.3 33.18 205.93

DIFFERENTIAL CORRECTIONS

TDE .9190 TRA-1.2912 TC3 .4636 BAU .1463
 RDE -.0322 RRA -.1987 RC3 .3698 FAU .04109
 FDE-1.7902 FRA 1.5680 FC3-1.9282 BSP 7368
 BDE .9195 BRA 1.3064 BC3 .5930 FSP -917

MID-COURSE EXECUTION ACCURACY

SGT 2258.5 SGR 429.2 SG3 317.7
 RRT .6222 RRF -.6757 RTF -.9350
 SGB 2298.9 R23 -.1034 R13 -.9369
 SG1 2274.6 SG2 333.7 TMA 6.89

ORBIT DETERMINATION ACCURACY

ST 1346.2 SR 96.3 SS 1507.3
 CRT -.0384 CRS -.1857 CST .9887
 LSA 2015.4 MSA 178.3 SSA 14.2
 EL1 1346.2 EL2 96.2 ALF 179.84

LAUNCH DATE MAY 13 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 323.468
 RL 151.16 LAL -.00 LOL 231.57 VL 26.437 GAL 4.74 AZL 94.48 MCA 134.54 SMA 125.55 ECC .21943 INC 4.4831 V1 29.476
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.235 GAP -10.06 AZP 86.85 TAL 162.61 TAP 297.15 RCA 98.00 APO 153.10 V2 34.886
 RC 49.776 GL -29.25 GP 11.04 ZAL 64.74 ZAP 18.98 ETS 325.16 ZAE 148.76 ETE 41.77 ZAC 91.84 ETC 14.62 CLP -15.53

PLANETOCENTRIC CONIC

C3 17.768 VHL 4.215 DLA -23.14 RAL 159.52 RAD 6567.7 VEL 11.796 PTH 2.09 VMP 6.675 DPA 16.92 RAP 177.32 ECC 1.2924
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 8 17 1364.67 6.10 352.32 20.57 117.71 10 31 2 764.7 9.76 345.55
 90.00 15 7 33 5652.42 27.94 265.99 27.19 94.80 16 41 45 5052.4 28.31 257.35
 100.00 11 11 51 1159.49 4.50 336.36 19.70 119.58 11 31 11 559.5 8.40 329.75
 100.00 16 46 40 5332.83 29.76 242.62 27.33 92.91 18 15 33 4732.8 29.85 233.82
 110.00 11 44 4 1058.49 .78 326.39 17.38 124.18 12 1 42 458.5 5.25 320.17
 110.00 18 30 57 5006.59 34.14 217.90 27.38 88.23 19 54 23 4406.6 33.52 208.71

DIFFERENTIAL CORRECTIONS

TDE .9492 TRA-1.2491 TC3 .5241 BAU .1574
 RDE .0117 RRA -.2048 RC3 .4056 FAU .04429
 FDE-1.9897 FRA 1.6292 FC3-2.1580 BSP 7566
 BDE .9493 BRA 1.2658 BC3 .6627 FSP -1022

MID-COURSE EXECUTION ACCURACY

SGT 2295.5 SGR 457.0 SG3 350.2
 RRT .6965 RRF -.7528 RTF -.9395
 SGB 2340.6 R23 -.1185 R13 -.9420
 SG1 2317.9 SG2 324.7 TMA 8.05

ORBIT DETERMINATION ACCURACY

ST 1404.2 SR 92.8 SS 1614.7
 CRT .5445 CRS .4201 CST .9895
 LSA 2134.8 MSA 173.2 SSA 13.4
 EL1 1405.1 EL2 77.8 ALF 2.07

LAUNCH DATE MAY 13 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 330.145
 RL 151.16 LAL -.00 LOL 231.57 VL 26.523 GAL 4.53 AZL 94.65 MCA 137.71 SMA 126.09 ECC .21332 INC 4.6478 V1 29.476
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.306 GAP -9.41 AZP 86.56 TAL 162.80 TAP 300.51 RCA 99.19 APO 152.99 V2 34.897
 RC 51.201 GL -31.06 GP 12.38 ZAL 65.70 ZAP 21.48 ETS 325.76 ZAE 147.27 ETE 41.41 ZAC 90.53 ETC 14.37 CLP -17.69

PLANETOCENTRIC CONIC

C3 17.249 VHL 4.153 DLA -24.56 RAL 158.18 RAD 6567.7 VEL 11.774 PTH 2.08 VMP 6.341 DPA 17.72 RAP 178.86 ECC 1.2839
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 24 59 1280.65 8.73 347.55 19.64 117.04 10 46 20 680.6 12.29 340.68
 90.00 14 40 8 5722.70 27.44 271.07 25.69 97.30 16 15 31 5122.7 28.16 262.48
 100.00 11 24 58 1087.04 6.92 332.34 18.66 119.15 11 43 5 487.0 10.75 325.65
 100.00 16 22 51 5391.54 29.48 246.96 25.94 95.17 17 52 42 4791.5 29.89 238.18
 110.00 11 51 51 1002.70 2.91 323.48 16.19 124.07 12 8 34 402.7 7.36 317.22
 110.00 18 12 27 5048.65 34.18 221.18 26.20 90.18 19 36 35 4448.6 33.83 211.95

DIFFERENTIAL CORRECTIONS

TDE .9792 TRA-1.2080 TC3 .5730 BAU .1674
 RDE .0624 RRA -.2144 RC3 .4453 FAU .04765
 FDE-2.2179 FRA 1.6944 FC3-2.3918 BSP 7689
 BDE .9812 BRA 1.2269 BC3 .7257 FSP -1132

MID-COURSE EXECUTION ACCURACY

SGT 2325.7 SGR 500.0 SG3 385.6
 RRT .7639 RRF -.8220 RTF -.9431
 SGB 2378.8 R23 -.1360 R13 -.9464
 SG1 2357.4 SG2 318.4 TMA 9.50

ORBIT DETERMINATION ACCURACY

ST 1458.5 SR 130.6 SS 1729.0
 CRT .8929 CRS .8231 CST .9902
 LSA 2259.4 MSA 169.5 SSA 12.6
 EL1 1463.1 EL2 58.6 ALF 4.58

LAUNCH DATE MAY 13 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 336.810
 RL 151.16 LAL -.00 LOL 231.57 VL 26.602 GAL 4.34 AZL 94.83 MCA 140.90 SMA 126.59 ECC .20772 INC 4.8341 V1 29.476
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.372 GAP -8.78 AZP 86.25 TAL 162.99 TAP 303.89 RCA 100.30 APO 152.89 V2 34.908
 RC 52.722 GL -32.94 GP 13.97 ZAL 66.72 ZAP 24.20 ETS 326.01 ZAE 145.84 ETE 41.64 ZAC 89.27 ETC 14.10 CLP -19.96

PLANETOCENTRIC CONIC

C3 16.896 VHL 4.110 DLA -26.04 RAL 156.76 RAD 6567.7 VEL 11.759 PTH 2.08 VMP 6.029 DPA 18.79 RAP 180.41 ECC 1.2781
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 47 30 1179.67 11.80 341.72 19.03 115.93 11 7 10 579.7 15.19 334.68
 90.00 14 6 20 5814.15 26.48 277.59 24.11 100.43 15 43 14 5214.1 27.65 269.12
 100.00 11 41 28 1005.37 9.60 327.76 17.88 118.45 11 58 14 405.4 13.32 320.96
 100.00 15 55 2 5463.68 28.92 252.25 24.56 97.90 17 26 6 4863.7 29.71 243.54
 110.00 12 1 2 944.00 5.14 320.40 15.17 123.84 12 16 46 344.0 9.55 314.09
 110.00 17 51 58 5097.81 34.11 225.02 25.11 92.45 19 16 56 4497.8 34.07 215.77

DIFFERENTIAL CORRECTIONS

TDE 1.0119 TRA-1.1645 TC3 .6129 BAU .1773
 RDE .1226 RRA -.2279 RC3 .4900 FAU .05124
 FDE-2.4818 FRA 1.7587 FC3-2.6257 BSP 7812
 BDE 1.0193 BRA 1.1866 BC3 .7847 FSP -1255

MID-COURSE EXECUTION ACCURACY

SGT 2346.8 SGR 562.6 SG3 423.9
 RRT .8202 RRF -.8788 RTF -.9464
 SGB 2413.3 R23 -.1542 R13 -.9508
 SG1 2392.6 SG2 315.7 TMA 11.32

ORBIT DETERMINATION ACCURACY

ST 1511.2 SR 201.5 SS 1852.1
 CRT .9811 CRS .9475 CST .9909
 LSA 2393.0 MSA 166.3 SSA 11.7
 EL1 1524.1 EL2 38.7 ALF 7.46

LAUNCH DATE MAY 13 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 343.459

RL 151.16 LAL -.00 LOL 231.57 VL 26.673 GAL 4.16 AZL 95.05 MCA 144.08 SMA 127.05 ECC .20261 INC 5.0479 V1 29.476
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.434 GAP -8.17 AZP 85.91 TAL 163.20 TAP 307.27 RCA 101.31 APO 152.80 V2 34.920
 RC 54.330 GL -34.92 GP 15.87 ZAL 67.77 ZAP 27.19 ETS 325.96 ZAE 144.40 ETE 42.46 ZAC 88.07 ETC 13.81 CLP -22.37

PLANETOCENTRIC CONIC

C3 16.719 VHL 4.089 DLA -27.59 RAL 155.27 RAD 6567.7 VEL 11.752 PTM 2.07 VMP 5.741 DPA 20.19 RAP 181.99 ECC 1.2752
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 24 50 1033.26 15.99 333.01 19.07 113.68 11 42 3 433.3 19.06 325.68
 90.00 13 17 6 667.68 24.36 309.51 22.19 104.91 13 28 13 67.7 26.17 301.31
 100.00 12 4 9 906.15 12.75 322.09 17.48 117.27 12 19 15 306.1 16.31 315.10
 100.00 15 20 27 5558.06 27.85 259.06 23.09 101.33 16 53 5 4958.1 29.13 250.49
 110.00 12 12 14 880.77 7.53 317.06 14.37 123.44 12 26 55 280.8 11.87 310.66
 110.00 17 28 52 5156.21 33.84 229.56 24.10 95.12 18 54 48 4556.2 34.18 220.33

DIFFERENTIAL CORRECTIONS

TDE 1.0497 TRA-1.1175 TC3 .6454 BAU .1882
 RDE .1963 RRA -.2458 RC3 .5406 FAU .05508
 FDE-2.7878 FRA 1.8181 FC3-2.8519 BSP 7975
 BDE 1.0679 BRA 1.1442 BC3 .8419 FSP -1391

MID-COURSE EXECUTION ACCURACY

SGT 2358.8 SGR 649.8 SG3 465.0
 RRT .8643 RRF -.9217 RTF -.9497
 SGB 2446.7 R23 -.1703 R13 -.9556
 SGI 2426.0 SG2 317.8 TMA 13.63

ORBIT DETERMINATION ACCURACY

ST 1563.6 SR 299.1 SS 1984.5
 CRT .9979 CRS .9829 CST .9917
 LSA 2538.9 MSA 162.9 SSA 10.8
 EL1 1591.8 EL2 19.0 ALF 10.81

LAUNCH DATE MAY 13 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 350.094

RL 151.16 LAL -.00 LOL 231.57 VL 26.737 GAL 3.99 AZL 95.30 MCA 147.26 SMA 127.47 ECC .19797 INC 5.2974 V1 29.476
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.492 GAP -7.58 AZP 85.54 TAL 163.40 TAP 310.67 RCA 102.24 APO 152.71 V2 34.932
 RC 56.016 GL -37.01 GP 18.16 ZAL 68.87 ZAP 30.48 ETS 325.65 ZAE 142.88 ETE 43.89 ZAC 86.91 ETC 13.48 CLP -24.91

PLANETOCENTRIC CONIC

C3 16.739 VHL 4.091 DLA -29.23 RAL 153.70 RAD 6567.7 VEL 11.753 PTM 2.07 VMP 5.481 DPA 21.99 RAP 183.64 ECC 1.2755
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.42 11 12 4 1053.10 21.25 336.72 19.66 110.56 11 29 37 453.1 23.86 328.94
 97.58 13 17 16 648.40 21.26 307.03 19.67 110.55 13 28 5 48.4 23.87 299.25
 100.00 12 43 18 757.40 17.21 313.29 17.87 114.82 12 55 55 157.4 20.42 305.97
 100.00 14 28 44 5707.37 25.41 269.48 21.17 106.29 16 3 51 5107.4 27.40 261.24
 110.00 12 26 35 810.03 10.16 313.28 13.88 122.82 12 40 5 210.0 14.41 306.76
 110.00 17 1 56 5227.50 33.27 235.04 23.14 98.32 18 29 4 4627.5 34.07 225.89

DIFFERENTIAL CORRECTIONS

TDE 1.0878 TRA-1.0715 TC3 .6557 BAU .1984
 RDE .2884 RRA -.2693 RC3 .5965 FAU .05877
 FDE-3.1342 FRA 1.8726 FC3-3.0397 BSP 8065
 BDE 1.1254 BRA 1.1049 BC3 .8865 FSP -1527

MID-COURSE EXECUTION ACCURACY

SGT 2359.1 SGR 766.9 SG3 507.3
 RRT .8956 RRF -.9516 RTF -.9520
 SGB 2480.7 R23 -.1848 R13 -.9601
 SGI 2459.0 SG2 327.4 TMA 16.53

ORBIT DETERMINATION ACCURACY

ST 1608.4 SR 424.4 SS 2122.0
 CRT .9996 CRS .9940 CST .9923
 LSA 2691.5 MSA 161.0 SSA 9.8
 EL1 1663.4 EL2 12.0 ALF 14.78

LAUNCH DATE MAY 13 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 356.712

RL 151.16 LAL -.00 LOL 231.57 VL 26.796 GAL 3.84 AZL 95.59 MCA 150.45 SMA 127.86 ECC .19377 INC 5.5944 V1 29.476
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.545 GAP -7.00 AZP 85.13 TAL 163.61 TAP 314.05 RCA 103.08 APO 152.63 V2 34.945
 RC 57.772 GL -39.22 GP 20.94 ZAL 70.00 ZAP 34.14 ETS 325.12 ZAE 141.17 ETE 45.96 ZAC 85.80 ETC 13.11 CLP -27.60

PLANETOCENTRIC CONIC

C3 16.993 VHL 4.122 DLA -30.98 RAL 152.02 RAD 6567.7 VEL 11.763 PTM 2.08 VMP 5.254 DPA 24.28 RAP 185.43 ECC 1.2797
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.88 10 23 32 1189.98 22.37 347.38 18.73 112.01 10 43 22 590.0 25.16 339.60
 103.12 13 52 26 5806.48 22.38 275.73 18.73 112.00 15 29 13 5206.5 25.17 267.95
 76.88 10 23 32 1189.98 22.37 347.38 18.73 112.01 10 43 22 590.0 25.16 339.60
 103.12 13 52 26 5806.48 22.38 275.73 18.73 112.00 15 29 13 5206.5 25.17 267.95
 110.00 12 46 22 725.38 13.24 308.66 13.87 121.81 12 58 27 125.4 17.35 301.96
 110.00 16 28 47 5319.08 32.16 241.95 22.12 102.27 17 57 26 4719.1 33.51 232.98

DIFFERENTIAL CORRECTIONS

TDE 1.1322 TRA-1.0219 TC3 .6524 BAU .2105
 RDE .4069 RRA -.2986 RC3 .6582 FAU .06230
 FDE-3.5268 FRA 1.9091 FC3-3.1741 BSP R222
 BDE 1.2030 BRA 1.0647 BC3 .9268 FSP -1670

MID-COURSE EXECUTION ACCURACY

SGT 2347.4 SGR 921.2 SG3 549.5
 RRT .9174 RRF -.9712 RTF -.9543
 SGB 2521.7 R23 -.1917 R13 -.9653
 SGI 2498.0 SG2 344.6 TMA 20.20

ORBIT DETERMINATION ACCURACY

ST 1630.3 SR 584.1 SS 2265.2
 CRT .9983 CRS .9979 CST .9929
 LSA 2858.4 MSA 159.0 SSA 8.7
 EL1 1750.3 EL2 31.6 ALF 19.47

LAUNCH DATE MAY 13 1967

FLIGHT TIME 140.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 363.313

RL 151.16 LAL -.00 LOL 231.57 VL 26.848 GAL 3.71 AZL 95.96 MCA 153.63 SMA 128.20 ECC .19000 INC 5.9563 V1 29.476
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.594 GAP -6.43 AZP 84.66 TAL 163.80 TAP 317.44 RCA 103.85 APO 152.56 V2 34.957
 RC 59.590 GL -41.59 GP 24.35 ZAL 71.19 ZAP 38.25 ETS 324.40 ZAE 139.10 ETE 48.67 ZAC 84.70 ETC 12.67 CLP -30.46

PLANETOCENTRIC CONIC

C3 17.544 VHL 4.189 DLA -32.86 RAL 150.22 RAD 6567.7 VEL 11.787 PTM 2.08 VMP 5.072 DPA 27.18 RAP 187.43 ECC 1.2887
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.59 9 47 14 1288.39 23.45 355.35 18.01 113.70 10 8 43 688.4 26.45 347.58
 107.41 14 14 22 5722.81 23.46 269.86 18.02 113.69 15 49 45 5122.8 26.46 262.10
 72.59 9 47 14 1288.39 23.45 355.35 18.01 113.70 10 8 43 688.4 26.45 347.58
 107.41 14 14 22 5722.81 23.46 269.86 18.02 113.69 15 49 45 5122.8 26.46 262.10
 110.00 13 18 33 606.68 17.39 301.96 14.75 119.90 13 28 40 6.7 21.23 294.94
 110.00 15 42 14 5452.51 29.81 251.64 20.69 107.55 17 13 6 4852.5 31.92 243.06

DIFFERENTIAL CORRECTIONS

TDE 1.1792 TRA -.9726 TC3 .6221 BAU .2235
 RDE .5623 RRA -.3348 RC3 .7218 FAU .06495
 FDE-3.9538 FRA 1.9201 FC3-3.2052 BSP R356
 BDE 1.3064 BRA 1.0286 BC3 .9329 FSP -1797

MID-COURSE EXECUTION ACCURACY

SGT 2319.9 SGR 1120.0 SG3 587.5
 RRT .9311 RRF -.9832 RTF -.9557
 SGB 2576.1 R23 -.1913 R13 -.9707
 SGI 2549.1 SG2 371.8 TMA 24.77

ORBIT DETERMINATION ACCURACY

ST 1681.6 SR 786.6 SS 2405.5
 CRT .9969 CRS .9993 CST .9934
 LSA 3034.5 MSA 158.2 SSA 7.7
 EL1 1855.7 EL2 55.7 ALF 25.03

LAUNCH DATE MAY 13 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC
 RL 151.16 LAL -.00 LOL 231.57 VL 26.895 GAL 3.59 AZL 96.41 MCA 156.82 SMA 128.52 ECC .18662 INC 6.410 V1 29.476
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.639 GAP -5.88 AZP 84.10 TAL 163.99 TAP 320.81 RCA 104.53 APO 152.50 V2 34.970
 RC 61.464 GL -44.16 GP 28.55 ZAL 72.44 ZAP 42.88 ETS 323.54 ZAE 136.46 ETE 51.95 ZAC 83.60 ETC 12.14 CLP -33.47

PLANETOCENTRIC CONIC
 C3 18.503 VHL 4.301 OLA -34.91 RAL 148.25 RAD 6567.7 VEL 11.827 PTH 2.09 VMP 4.948 DPA 30.83 RAP 189.82 ECC 1.3045
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 68.68 9 15 31 1373.81 24.45 2.50 17.56 115.73 9 38 24 773.8 27.70 354.78
 111.32 14 30 23 5662.21 24.47 265.65 17.57 115.71 16 4 46 5062.2 27.72 257.93
 68.68 9 15 31 1373.81 24.45 2.50 17.56 115.73 9 38 24 773.8 27.70 354.78
 111.32 14 30 23 5662.21 24.47 265.65 17.57 115.71 16 4 46 5062.2 27.72 257.93
 68.68 9 15 31 1373.81 24.45 2.50 17.56 115.73 9 38 24 773.8 27.70 354.78
 111.32 14 30 23 5662.21 24.47 265.65 17.57 115.71 16 4 46 5062.2 27.72 257.93

DIFFERENTIAL CORRECTIONS
 TDE 1.2371 TRA -.9201 TC3 .5749 BAU .2404
 RDE .7723 RRA -.3769 RC3 .7838 FAU .06636
 FDE-4.4044 FRA 1.8828 FC3-3.1050 BSP 8634
 BDE 1.4584 BRA .9943 BC3 .9720 FSP -1904

MID-COURSE EXECUTION ACCURACY
 SGT 2278.8 SGR 1373.9 SG3 616.4
 RRT .9401 RRF -.9904 RTF -.9569
 SGB 2661.0 R23 -.1792 R13 -.9770
 SG1 2629.8 SG2 405.8 THA 30.34

ORBIT DETERMINATION ACCURACY
 ST 1707.8 SR 1045.2 SS 2538.7
 CRT .9960 CRS .9998 CST .9939
 LSA 3229.4 MSA 157.2 SSA 6.7
 EL1 2000.6 EL2 79.8 ALF 31.42

LAUNCH DATE MAY 13 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC
 RL 151.16 LAL -.00 LOL 231.57 VL 26.937 GAL 3.48 AZL 97.00 MCA 160.01 SMA 128.80 ECC .18363 INC 7.0002 V1 29.476
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.681 GAP -5.35 AZP 83.42 TAL 164.15 TAP 324.16 RCA 105.15 APO 152.45 V2 34.983
 RC 63.388 GL -47.00 GP 33.75 ZAL 73.78 ZAP 48.14 ETS 322.59 ZAE 132.94 ETE 55.67 ZAC 82.45 ETC 11.45 CLP -36.62

PLANETOCENTRIC CONIC
 C3 20.074 VHL 4.480 OLA -37.17 RAL 146.04 RAD 6567.8 VEL 11.893 PTH 2.11 VMP 4.910 DPA 35.37 RAP 192.86 ECC 1.3304
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 64.85 8 45 45 1455.52 25.30 9.51 17.46 118.19 9 10 0 855.5 28.86 1.88
 115.15 14 42 33 5619.04 25.31 262.68 17.46 118.18 16 16 12 5019.0 28.87 255.04
 64.85 8 45 45 1455.52 25.30 9.51 17.46 118.19 9 10 0 855.5 28.86 1.88
 115.15 14 42 33 5619.04 25.31 262.68 17.46 118.18 16 16 12 5019.0 28.87 255.04
 64.85 8 45 45 1455.52 25.30 9.51 17.46 118.19 9 10 0 855.5 28.86 1.88
 115.15 14 42 33 5619.04 25.31 262.68 17.46 118.18 16 16 12 5019.0 28.87 255.04

DIFFERENTIAL CORRECTIONS
 TDE 1.3136 TRA -.8634 TC3 .5107 BAU .2623
 RDE 1.0630 RRA -.4220 RC3 .8335 FAU .06552
 FDE-4.8404 FRA 1.7698 FC3-2.8258 BSP 9144
 BDE 1.6898 BRA .9610 BC3 .9775 FSP -1968

MID-COURSE EXECUTION ACCURACY
 SGT 2225.1 SGR 1692.4 SG3 627.8
 RRT .9463 RRF -.9945 RTF -.9582
 SGB 2795.6 R23 -.1554 R13 -.9837
 SG1 2760.6 SG2 440.9 THA 36.84

ORBIT DETERMINATION ACCURACY
 ST 1730.6 SR 1374.6 SS 2650.9
 CRT .9955 CRS .9999 CST .9944
 LSA 3447.8 MSA 155.4 SSA 5.7
 EL1 2207.8 EL2 101.7 ALF 38.43

LAUNCH DATE MAY 13 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC
 RL 151.16 LAL -.00 LOL 231.57 VL 26.973 GAL 3.39 AZL 97.80 MCA 163.20 SMA 129.04 ECC .18100 INC 7.8043 V1 29.476
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.719 GAP -4.82 AZP 82.52 TAL 164.30 TAP 327.50 RCA 105.69 APO 152.40 V2 34.996
 RC 65.357 GL -50.18 GP 40.20 ZAL 75.26 ZAP 54.11 ETS 321.60 ZAE 128.19 ETE 59.54 ZAC 81.18 ETC 10.51 CLP -39.87

PLANETOCENTRIC CONIC
 C3 22.660 VHL 4.760 OLA -39.69 RAL 143.48 RAD 6567.9 VEL 12.002 PTH 2.14 VMP 5.007 DPA 40.92 RAP 197.05 ECC 1.3729
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 60.94 8 16 21 1540.04 25.84 16.84 17.77 121.24 8 42 1 940.0 29.77 9.38
 119.06 14 51 31 5592.85 25.85 260.85 17.78 121.23 16 24 44 4992.9 29.79 253.39
 60.94 8 16 21 1540.04 25.84 16.84 17.77 121.24 8 42 1 940.0 29.77 9.38
 119.06 14 51 31 5592.85 25.85 260.85 17.78 121.23 16 24 44 4992.9 29.79 253.39
 60.94 8 16 21 1540.04 25.84 16.84 17.77 121.24 8 42 1 940.0 29.77 9.38
 119.06 14 51 31 5592.85 25.85 260.85 17.78 121.23 16 24 44 4992.9 29.79 253.39

DIFFERENTIAL CORRECTIONS
 TDE 1.4497 TRA -.7793 TC3 .4770 BAU .3023
 RDE 1.4873 RRA -.4482 RC3 .8764 FAU .06347
 FDE-5.2337 FRA 1.5031 FC3-2.4248 BSP 10657
 BDE 2.0770 BRA .8990 BC3 .9978 FSP -2053

MID-COURSE EXECUTION ACCURACY
 SGT 2176.4 SGR 2095.8 SG3 614.2
 RRT .9552 RRF -.9968 RTF -.9634
 SGB 3021.4 R23 -.1174 R13 -.9906
 SG1 2987.5 SG2 451.7 THA 43.87

ORBIT DETERMINATION ACCURACY
 ST 1782.8 SR 1802.7 SS 2742.3
 CRT .9960 CRS 1.0000 CST .9955
 LSA 3731.9 MSA 146.6 SSA 4.8
 EL1 2532.8 EL2 113.9 ALF 45.32

LAUNCH DATE MAY 13 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC
 RL 151.16 LAL -.00 LOL 231.57 VL 27.005 GAL 3.32 AZL 98.97 MCA 166.38 SMA 129.26 ECC .17874 INC 8.9729 V1 29.476
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.755 GAP -4.31 AZP 81.28 TAL 164.41 TAP 330.79 RCA 106.16 APO 152.37 V2 35.009
 RC 67.365 GL -53.79 GP 48.15 ZAL 76.93 ZAP 60.80 ETS 320.57 ZAE 121.81 ETE 63.07 ZAC 79.68 ETC 9.03 CLP -43.01

PLANETOCENTRIC CONIC
 C3 27.158 VHL 5.211 OLA -42.52 RAL 140.41 RAD 6568.1 VEL 12.187 PTH 2.19 VMP 5.336 DPA 47.45 RAP 203.38 ECC 1.4469
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 56.85 7 46 11 1634.32 25.75 24.89 18.65 125.08 8 13 25 1034.3 30.15 17.74
 123.15 14 57 11 5587.64 25.76 260.34 18.66 125.07 16 30 19 4987.6 30.16 253.19
 56.85 7 46 11 1634.32 25.75 24.89 18.65 125.08 8 13 25 1034.3 30.15 17.74
 123.15 14 57 11 5587.64 25.76 260.34 18.66 125.07 16 30 19 4987.6 30.16 253.19
 56.85 7 46 11 1634.32 25.75 24.89 18.65 125.08 8 13 25 1034.3 30.15 17.74
 123.15 14 57 11 5587.64 25.76 260.34 18.66 125.07 16 30 19 4987.6 30.16 253.19

DIFFERENTIAL CORRECTIONS
 TDE 1.5567 TRA -.7889 TC3 .2758 BAU .2959
 RDE 2.0481 RRA -.5120 RC3 .7669 FAU .04846
 FDE-5.2473 FRA 1.2992 FC3-1.5447 BSP 10071
 BDE 2.5725 BRA .9404 BC3 .8150 FSP -1653

MID-COURSE EXECUTION ACCURACY
 SGT 2096.7 SGR 2508.5 SG3 543.9
 RRT .9472 RRF -.9978 RTF -.9558
 SGB 3269.4 R23 -.0995 R13 -.9934
 SG1 3227.4 SG2 522.3 THA 50.39

ORBIT DETERMINATION ACCURACY
 ST 1747.5 SR 2263.5 SS 2673.5
 CRT .9948 CRS 1.0000 CST .9947
 LSA 3911.4 MSA 160.4 SSA 4.0
 EL1 2856.1 EL2 141.2 ALF 52.37

LAUNCH DATE MAY 13 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 396.016

RL 151.16 LAL -.00 LOL 231.57 VL 27.033 GAL 3.26 AZL 100.84 MCA 169.56 SMA 129.45 ECC .17680 INC10.8396 V1 29.476
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.787 GAP -3.82 AZP 79.34 TAL 164.49 TAP 334.05 RCA 106.57 APO 152.34 V2 35.023
 RC 69.409 GL -57.92 GP 57.82 ZAL 78.91 ZAP 68.11 ETS 319.17 ZAE 113.47 ETE 65.36 ZAC 77.83 ETC 6.30 CLP -45.56

PLANETOCENTRIC CONIC

C3 35.888 VHL 5.991 OLA -45.63 RAL 136.52 RAD 6568.4 VEL 12.540 PTH 2.27 VMP 6.113 OPA 54.57 RAP 213.85 ECC 1.5906
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.59 7 13 58 1748.44 24.36 34.05 20.21 129.86 7 43 6 1148.4 29.32 27.43
 127.41 14 58 20 5613.51 24.37 261.50 20.22 129.85 16 31 53 5013.5 29.33 254.88
 52.59 7 13 58 1748.44 24.36 34.05 20.21 129.86 7 43 6 1148.4 29.32 27.43
 127.41 14 58 20 5613.51 24.37 261.50 20.22 129.85 16 31 53 5013.5 29.33 254.88
 52.59 7 13 58 1748.44 24.36 34.05 20.21 129.86 7 43 6 1148.4 29.32 27.43
 127.41 14 58 20 5613.51 24.37 261.50 20.22 129.85 16 31 53 5013.5 29.33 254.88

DIFFERENTIAL CORRECTIONS

TDE 1.9008 TRA -.7543 TC3 .1799 BAU .3032
 RDE 2.9265 RRA -.4890 RC3 .6102 FAU .03345
 FDE-5.0096 FRA -.8751 FC3 -.8069 BSP 11400
 BDE 3.4896 BRA .8989 BC3 .6362 FSP -1337

MID-COURSE EXECUTION ACCURACY

SGT 2101.4 SGR 2969.2 SG3 434.8
 RRT .9514 RRF -.9984 RTF -.9602
 SGB 3637.5 R23 -.0693 R13 -.9966
 SG1 3598.1 SG2 534.1 THA 55.17

ORBIT DETERMINATION ACCURACY

ST 1844.2 SR 2806.2 SS 2537.6
 CRT .9953 CRS 1.0000 CST .9956
 LSA 4206.0 MSA 158.6 SSA 3.2
 EL1 3354.6 EL2 149.6 ALF 56.74

LAUNCH DATE MAY 13 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 402.466

RL 151.16 LAL -.00 LOL 231.57 VL 27.057 GAL 3.22 AZL 104.31 MCA 172.73 SMA 129.61 ECC .17519 INC14.3148 V1 29.476
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.816 GAP -3.34 AZP 75.80 TAL 164.51 TAP 337.24 RCA 106.91 APO 152.32 V2 35.036
 RC 71.485 GL -62.43 GP 69.36 ZAL 81.34 ZAP 75.63 ETS 314.61 ZAE 102.82 ETE 63.10 ZAC 75.36 ETC 359.00 CLP -45.24

PLANETOCENTRIC CONIC

C3 56.780 VHL 7.535 OLA -48.76 RAL 131.46 RAD 6569.0 VEL 13.347 PTH 2.44 VMP 7.920 OPA 60.73 RAP 232.44 ECC 1.9344
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 48.49 6 39 20 1899.52 20.26 44.45 22.56 135.35 7 11 0 1299.5 25.83 38.63
 131.51 14 52 34 5692.33 20.27 264.97 22.58 135.35 16 27 26 5092.3 25.85 259.15
 48.49 6 39 20 1899.52 20.26 44.45 22.56 135.35 7 11 0 1299.5 25.83 38.63
 131.51 14 52 34 5692.33 20.27 264.97 22.58 135.35 16 27 26 5092.3 25.85 259.15
 48.49 6 39 20 1899.52 20.26 44.45 22.56 135.35 7 11 0 1299.5 25.83 38.63
 131.51 14 52 34 5692.33 20.27 264.97 22.58 135.35 16 27 26 5092.3 25.85 259.15

DIFFERENTIAL CORRECTIONS

TDE 2.8881 TRA -.7776 TC3 .0833 BAU .2475
 RDE 4.2071 RRA -.3289 RC3 .3152 FAU .01421
 FDE-4.3182 FRA .4499 FC3 -.2167 BSP 12592
 BDE 5.1030 BRA .8443 BC3 .3260 FSP -878

MID-COURSE EXECUTION ACCURACY

SGT 2375.4 SGR 3256.2 SG3 288.6
 RRT .9599 RRF -.9981 RTF -.9726
 SGB 4030.6 R23 -.0457 R13 -.9984
 SG1 3993.9 SG2 542.8 THA 54.24

ORBIT DETERMINATION ACCURACY

ST 2212.5 SR 3201.0 SS 2249.4
 CRT .9963 CRS .9999 CST .9972
 LSA 4491.7 MSA 160.2 SSA 2.2
 EL1 3888.0 EL2 157.2 ALF 55.38

LAUNCH DATE MAY 13 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 408.821

RL 151.16 LAL -.00 LOL 231.57 VL 27.077 GAL 3.21 AZL 113.00 MCA 175.83 SMA 129.75 ECC .17395 INC22.9956 V1 29.476
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.843 GAP -2.89 AZP 67.06 TAL 164.44 TAP 340.27 RCA 107.18 APO 152.32 V2 35.049
 RC 73.590 GL -65.90 GP 82.33 ZAL 84.40 ZAP 82.62 ETS 261.40 ZAE 88.67 ETE 10.68 ZAC 71.32 ETC 300.82 CLP -15.87

PLANETOCENTRIC CONIC

C3 133.863 VHL 11.570 OLA -50.34 RAL 125.57 RAD 6570.4 VEL 15.975 PTH 2.82 VMP 13.020 OPA 61.55 RAP 263.22 ECC 3.2030
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 46.47 6 9 15 2105.34 11.10 54.77 26.19 139.43 6 44 20 1505.3 17.12 49.75
 133.53 14 35 43 5866.52 11.11 272.11 26.21 139.42 16 13 29 5266.5 17.14 267.09
 46.47 6 9 15 2105.34 11.10 54.77 26.19 139.43 6 44 20 1505.3 17.12 49.75
 133.53 14 35 43 5866.52 11.11 272.11 26.21 139.42 16 13 29 5266.5 17.14 267.09
 46.47 6 9 15 2105.34 11.10 54.77 26.19 139.43 6 44 20 1505.3 17.12 49.75
 133.53 14 35 43 5866.52 11.11 272.11 26.21 139.42 16 13 29 5266.5 17.14 267.09

DIFFERENTIAL CORRECTIONS

TDE 8.4234 TRA -.5272 TC3 -.0665 BAU .1224
 RDE 2.0928 RRA .6988 RC3 .0162 FAU -.00560
 FDE-3.4587 FRA .1494 FC3 .0362 BSP 13713
 BDE 8.6795 BRA .8754 BC3 .0684 FSP -452

MID-COURSE EXECUTION ACCURACY

SGT 4194.2 SGR 1170.2 SG3 148.5
 RRT .8344 RRF -.8497 RTF -.9995
 SGB 4354.4 R23 .0061 R13 -.9999
 SG1 4308.9 SG2 627.7 THA 13.40

ORBIT DETERMINATION ACCURACY

ST 4173.2 SR 1049.1 SS 1927.2
 CRT .9829 CRS .9846 CST 1.0000
 LSA 4711.2 MSA 187.4 SSA 1.0
 EL1 4298.9 EL2 187.4 ALF 13.91

LAUNCH DATE MAY 13 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 414.556

RL 151.16 LAL -.00 LOL 231.57 VL 27.094 GAL 3.32 AZL 156.45 MCA 178.41 SMA 129.87 ECC .17359 INC66.4471 V1 29.476
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.867 GAP -2.60 AZP 23.56 TAL 163.85 TAP 342.26 RCA 107.32 APO 152.41 V2 35.062
 RC 75.721 GL -52.97 GP 61.75 ZAL 87.82 ZAP 87.79 ETS 180.84 ZAE 58.62 ETE 292.51 ZAC 59.58 ETC 206.10 CLP 85.32

PLANETOCENTRIC CONIC

C3 964.591 VHL 31.058 OLA -36.56 RAL 127.99 RAD 6572.9 VEL 32.953 PTH 3.49 VMP 38.389 OPA 40.50 RAP 301.00 ECC16.8747
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 65.84 7 38 56 2106.15 -.19 44.31 38.23 126.56 8 14 3 1506.1 4.57 38.29
 114.16 13 25 20 1012.31 -.17 322.06 38.24 126.56 13 42 12 412.3 4.58 316.04
 65.84 7 38 56 2106.15 -.19 44.31 38.23 126.56 8 14 3 1506.1 4.57 38.29
 114.16 13 25 20 1012.31 -.17 322.06 38.24 126.56 13 42 12 412.3 4.58 316.04
 65.84 7 38 56 2106.15 -.19 44.31 38.23 126.56 8 14 3 1506.1 4.57 38.29
 114.16 13 25 20 1012.31 -.17 322.06 38.24 126.56 13 42 12 412.3 4.58 316.04

DIFFERENTIAL CORRECTIONS

TDE 7.6157 TRA 1.8309 TC3 -.1159 BAU 3.8744
 RC-17.4023 RRA 2.3960 RC3 .2772 FAU -.06699
 FDE-3.9691 FRA .4898 FC3 .0601 BSP 11902
 BDE18.9958 BRA 3.0155 BC3 .3004 FSP -213

MID-COURSE EXECUTION ACCURACY

SGT 1633.7 SGR 3684.3 SG3 71.7
 RRT -.9169 RRF .9997 RTF -.9225
 SGB 4030.2 R23 -.0483 R13 .9986
 SG1 3984.9 SG2 603.0 THA 112.67

ORBIT DETERMINATION ACCURACY

ST 1410.8 SR 3215.0 SS 2431.5
 CRT .9901 CRS -1.0000 CST .9908
 LSA 4266.7 MSA 184.9 SSA 1.6
 EL1 3506.3 EL2 181.7 ALF 113.55

LAUNCH DATE MAY 13 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 422.455

RL 151.16 LAL -.00 LOL 231.57 VL 27.107 GAL 3.05 AZL 63.42 MCA 182.88 SMA 129.96 ECC .17135 INC26.5805 V1 29.476
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.888 GAP -1.77 AZP 116.55 TAL 164.98 TAP 347.86 RCA 107.69 APO 152.22 V2 35.075
 RC 77.874 GL 66.09 GP -82.80 ZAL 85.44 ZAP 87.16 ETS 130.15 ZAE 89.53 ETE 24.67 ZAC 98.32 ETC 97.87 CLP 66.71

PLANETOCENTRIC CONIC

C3 175.554 VHL 13.250 OLA 65.81 RAL 208.29 RAD 6570.9 VEL 17.230 PTH 2.94 VHP 18.909 DPA -71.94 RAP 88.71 ECC 3.8892
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 27.74 22 47 23 4896.00 -10.21 240.35 113.66 24.60 24 8 59 4296.0 -17.46 237.29
 152.26 8 57 31 3172.59 -10.20 95.57 113.64 24.60 9 50 24 2572.6 -17.45 92.51
 27.74 22 47 23 4896.00 -10.21 240.35 113.66 24.60 24 8 59 4296.0 -17.46 237.29
 152.26 8 57 31 3172.59 -10.20 95.57 113.64 24.60 9 50 24 2572.6 -17.45 92.51
 27.74 22 47 23 4896.00 -10.21 240.35 113.66 24.60 24 8 59 4296.0 -17.46 237.29
 152.26 8 57 31 3172.59 -10.20 95.57 113.64 24.60 9 50 24 2572.6 -17.45 92.51

DIFFERENTIAL CORRECTIONS

TDE .1142 TRA-3.7557 TC3 -.1353 BAU .3649
 RDE 1.5712 RRA-2.2042 RC3 -.0766 FAU-.00721
 FDE -.2554 FRA 1.1079 FC3 .0355 BSP 13483
 BDE 1.5753 BRA 4.3548 BC3 .1555 FSP -304

MID-COURSE EXECUTION ACCURACY

SGT 3980.1 SGR 2431.9 SG3 101.8
 RRT .9636 RRF -.9821 RTF -.9966
 SGB 4664.3 R23 -.0092 R13 -.9999
 SG1 4630.6 SG2 559.1 TMA 30.99

ORBIT DETERMINATION ACCURACY

ST 1190.2 SR 974.0 SS 600.8
 CRT .7449 CRS .8929 CST .9655
 LSA 1561.4 MSA 536.7 SSA .5
 EL1 1441.2 EL2 536.7 ALF 37.42

LAUNCH DATE MAY 13 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 428.647

RL 151.16 LAL -.00 LOL 231.57 VL 27.117 GAL 3.09 AZL 79.13 MCA 185.89 SMA 130.03 ECC .17101 INC10.8675 V1 29.476
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.907 GAP -1.37 AZP 100.81 TAL 164.70 TAP 350.59 RCA 107.79 APO 152.26 V2 35.088
 RC 80.046 GL 58.92 GP -78.84 ZAL 79.59 ZAP 85.84 ETS 20.92 ZAE 105.92 ETE 277.76 ZAC 105.13 ETC 356.14 CLP -68.02

PLANETOCENTRIC CONIC

C3 35.531 VHL 5.961 OLA 58.11 RAL 201.64 RAD 6568.4 VEL 12.526 PTH 2.27 VHP 9.358 DPA -60.26 RAP 119.78 ECC 1.5847
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 36.88 22 43 8 4501.44 -29.49 220.46 91.05 37.37 23 58 9 3901.4 -35.71 214.91
 143.12 8 8 42 2855.46 -29.48 86.53 91.03 37.36 8 56 17 2255.5 -35.70 80.97
 36.88 22 43 8 4501.44 -29.49 220.46 91.05 37.37 23 58 9 3901.4 -35.71 214.91
 143.12 8 8 42 2855.46 -29.48 86.53 91.03 37.36 8 56 17 2255.5 -35.70 80.97
 36.88 22 43 8 4501.44 -29.49 220.46 91.05 37.37 23 58 9 3901.4 -35.71 214.91
 143.12 8 8 42 2855.46 -29.48 86.53 91.03 37.36 8 56 17 2255.5 -35.70 80.97

DIFFERENTIAL CORRECTIONS

TDE .5996 TRA -.1206 TC3 -.0552 BAU .3839
 RDE -.0071 RRA 2.4946 RC3 -.8064 FAU .01997
 FDE -.0916 FRA 1.3852 FC3 -.4866 BSP 14421
 BDE .5997 BRA 2.4975 BC3 .8083 FSP -711

MID-COURSE EXECUTION ACCURACY

SGT 620.2 SGR 4639.6 SG3 223.6
 RRT -.3255 RRF .9993 RTF -.3524
 SGB 4680.8 R23 .0231 R13 .9995
 SG1 4644.0 SG2 585.9 TMA 92.53

ORBIT DETERMINATION ACCURACY

ST 580.1 SR 1362.0 SS 615.6
 CRT -.1183 CRS -.9939 CST .2275
 LSA 1495.8 MSA 577.1 SSA 1.4
 EL1 1364.1 EL2 575.2 ALF 93.51

LAUNCH DATE MAY 13 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 434.982

RL 151.16 LAL -.00 LOL 231.57 VL 27.124 GAL 3.12 AZL 84.09 MCA 189.04 SMA 130.07 ECC .17076 INC 5.9045 V1 29.476
 RP 107.96 LAP -.93 LOP 60.56 VP 37.924 GAP -.94 AZP 95.83 TAL 164.52 TAP 353.56 RCA 107.86 APO 152.29 V2 35.101
 RC 82.236 GL 45.28 GP -68.39 ZAL 73.84 ZAP 86.47 ETS 9.82 ZAE 116.19 ETE 267.97 ZAC 108.80 ETC 351.97 CLP -80.39

PLANETOCENTRIC CONIC

C3 15.377 VHL 3.921 OLA 46.47 RAL 189.55 RAD 6567.6 VEL 11.695 PTH 2.06 VHP 6.449 DPA -50.96 RAP 129.34 ECC 1.2531
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.48 22 39 36 4197.03 -33.31 192.49 60.92 55.51 23 49 33 3597.0 -37.57 184.58
 128.52 6 35 46 2753.90 -33.30 80.12 60.91 55.50 7 21 40 2153.9 -37.56 72.22
 51.48 22 39 36 4197.03 -33.31 192.49 60.92 55.51 23 49 33 3597.0 -37.57 184.58
 128.52 6 35 46 2753.90 -33.30 80.12 60.91 55.50 7 21 40 2153.9 -37.56 72.22
 51.48 22 39 36 4197.03 -33.31 192.49 60.92 55.51 23 49 33 3597.0 -37.57 184.58
 128.52 6 35 46 2753.90 -33.30 80.12 60.91 55.50 7 21 40 2153.9 -37.56 72.22

DIFFERENTIAL CORRECTIONS

TDE .3551 TRA .1880 TC3 -.5281 BAU .4773
 RDE .1567 RRA 1.9329 RC3-2.2611 FAU .04427
 FDE .0909 FRA 1.9995 FC3-2.4922 BSP 14008
 BDE .3882 BRA 1.9420 BC3 2.3219 FSP -1283

MID-COURSE EXECUTION ACCURACY

SGT 774.6 SGR 4473.0 SG3 403.7
 RRT .7184 RRF .9995 RTF .7103
 SGB 4539.6 R23 .0260 R13 .9992
 SG1 4508.0 SG2 534.7 TMA 82.81

ORBIT DETERMINATION ACCURACY

ST 532.7 SR 1252.3 SS 713.6
 CRT .3998 CRS -.9968 CST -.3253
 LSA 1456.6 MSA 489.4 SSA 2.5
 EL1 1273.4 EL2 480.2 ALF 78.73

LAUNCH DATE MAY 13 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 441.336

RL 151.16 LAL -.00 LOL 231.57 VL 27.128 GAL 3.16 AZL 86.50 MCA 192.23 SMA 130.11 ECC .17070 INC 3.5027 V1 29.476
 RP 107.92 LAP -.74 LOP 63.78 VP 37.939 GAP -.50 AZP 93.42 TAL 164.32 TAP 356.55 RCA 107.90 APO 152.31 V2 35.113
 RC 84.440 GL 31.71 GP -60.04 ZAL 69.36 ZAP 88.73 ETS 3.28 ZAE 123.96 ETE 261.29 ZAC 111.80 ETC 351.66 CLP -87.46

PLANETOCENTRIC CONIC

C3 9.912 VHL 3.148 OLA 34.33 RAL 181.45 RAD 6567.4 VEL 11.459 PTH 1.99 VHP 5.136 DPA -43.01 RAP 133.82 ECC 1.1631
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.73 23 32 19 3862.88 -27.73 160.87 41.13 68.91 24 36 42 3262.9 -30.34 152.64
 110.27 4 38 27 2901.64 -27.72 89.13 41.12 68.89 5 26 49 2301.6 -30.33 80.89
 69.73 23 32 19 3862.88 -27.73 160.87 41.13 68.91 24 36 42 3262.9 -30.34 152.64
 110.27 4 38 27 2901.64 -27.72 89.13 41.12 68.89 5 26 49 2301.6 -30.33 80.89
 69.73 23 32 19 3862.88 -27.73 160.87 41.13 68.91 24 36 42 3262.9 -30.34 152.64
 110.27 4 38 27 2901.64 -27.72 89.13 41.12 68.89 5 26 49 2301.6 -30.33 80.89

DIFFERENTIAL CORRECTIONS

TDE .2243 TRA .3311 TC3-1.3108 BAU .4924
 RDE .0213 RRA 1.6182 RC3-3.4771 FAU .06872
 FDE -.0707 FRA 2.6492 FC3-6.0018 BSP 13512
 BDE .2253 BRA 1.6517 BC3 3.7160 FSP -1928

MID-COURSE EXECUTION ACCURACY

SGT 1174.8 SGR 4184.6 SG3 601.0
 RRT .9000 RRF .9993 RTF .8965
 SGB 4346.4 R23 .0360 R13 .9987
 SG1 4318.0 SG2 496.3 TMA 75.63

ORBIT DETERMINATION ACCURACY

ST 463.9 SR 1072.5 SS 780.9
 CRT .5056 CRS -.9940 CST -.4087
 LSA 1344.8 MSA 408.6 SSA 3.9
 EL1 1101.6 EL2 389.6 ALF 75.86

LAUNCH DATE MAY 13 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 447.685

RL 151.16 LAL -.00 LOL 231.57 VL 27.130 GAL 3.21 AZL 87.92 MCA 195.44 SMA 130.12 ECC .17086 INC 2.0836 V1 29.476
 RP 107.89 LAP -.55 LOP 66.99 VP 37.951 GAP -.07 AZP 92.01 TAL 164.08 TAP 359.52 RCA 107.89 APO 152.35 V2 35.125
 RC 86.655 GL 20.33 GP -53.04 ZAL 66.45 ZAP 92.17 ETS 358.30 ZAE 129.92 ETE 254.48 ZAC 114.51 ETC 352.16 CLP -93.60

PLANETOCENTRIC CONIC

C3 8.033 VHL 2.834 DLA 23.83 RAL 176.34 RAD 6567.3 VEL 11.376 PTH 1.96 VHP 4.434 DPA -36.05 RAP 136.09 ECC 1.1322
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 6 22 2877.87 -28.32 87.52 31.37 89.96 4 54 20 2277.9 -28.02 78.86
 90.00 23 23 41 3805.99 -12.32 149.63 27.48 64.30 24 27 7 3206.0 -15.68 142.57
 100.00 5 47 3 2553.20 -29.81 63.59 31.33 92.39 6 29 37 1953.2 -29.16 54.85
 100.00 0 29 36 3605.88 -11.00 134.24 26.80 62.03 1 29 42 3005.9 -14.65 127.36
 110.00 7 33 45 2219.38 -33.29 37.86 30.95 98.27 8 10 45 1619.4 -31.79 28.95
 110.00 0 59 23 3512.47 -7.99 125.36 24.99 56.65 1 57 56 2912.5 -12.32 118.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0987 TRA .4565 TC3-2.1718 BAU .4896 SGT 1604.1 SGR 3848.7 SG3 785.1 ST 364.4 SR 969.7 SS 904.3
 RDE -.1345 RRA 1.4002 RC3-4.0087 FAU .09018 RRT .9500 RRF .9991 RTF .9478 CRT .6486 CRS -.9908 CST -.5396
 FDE -.4763 FRA 3.2407 FC3-9.7188 BSP 12922 SGB 4169.6 R23 .0494 R13 .9979 LSA 1341.7 MSA 301.3 SSA 6.2
 BDE .1668 BRA 1.4727 BC3 4.5593 FSP -2525 SG1 4143.6 SG2 465.4 TMA 68.11 EL1 1000.4 EL2 268.8 ALF 75.21

LAUNCH DATE MAY 13 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 454.021

RL 151.16 LAL -.00 LOL 231.57 VL 27.130 GAL 3.27 AZL 88.86 MCA 198.65 SMA 130.12 ECC .17122 INC 1.1424 V1 29.476
 RP 107.85 LAP -.37 LOP 70.21 VP 37.962 GAP .36 AZP 91.08 TAL 163.81 TAP 2.46 RCA 107.84 APO 152.39 V2 35.137
 RC 88.880 GL 11.48 GP -47.05 ZAL 64.68 ZAP 96.36 ETS 354.39 ZAE 134.34 ETE 247.11 ZAC 117.01 ETC 353.04 CLP -99.35

PLANETOCENTRIC CONIC

C3 7.371 VHL 2.715 DLA 15.50 RAL 173.07 RAD 6567.2 VEL 11.347 PTH 1.96 VHP 4.031 DPA -29.92 RAP 137.21 ECC 1.1213
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 29 20 2508.04 -25.44 60.96 24.06 102.88 6 11 8 1908.0 -23.41 52.87
 90.00 21 34 34 4144.43 -1.76 168.88 20.79 61.73 22 43 39 3544.4 -5.52 162.23
 100.00 6 59 11 2218.28 -26.37 39.39 23.81 104.61 7 36 9 1618.3 -24.10 31.32
 100.00 22 47 24 3909.42 -.92 151.14 20.33 60.12 23 52 34 3309.4 -4.89 144.60
 110.00 8 26 22 1945.52 -28.79 17.84 22.98 109.28 8 58 47 1345.5 -25.89 9.86
 110.00 23 36 43 3754.94 1.23 138.08 18.99 55.84 24 39 18 3154.9 -3.26 131.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0345 TRA .5790 TC3-2.9411 BAU .4882 SGT 2040.6 SGR 3490.8 SG3 936.8 ST 390.3 SR 963.8 SS 1125.2
 RDE -.2483 RRA 1.2272 RC3-3.9872 FAU .10730 RRT .9692 RRF .9988 RTF .9676 CRT .9251 CRS -.9910 CST -.8662
 FDE -.9972 FRA 3.7182 FC-12.6036 BSP 12474 SGB 4043.4 R23 .0642 R13 .9967 LSA 1519.3 MSA 196.9 SSA 9.8
 BDE .2507 BRA 1.3570 BC3 4.9546 FSP -3024 SG1 4019.9 SG2 436.1 TMA 60.08 EL1 1030.6 EL2 138.6 ALF 69.07

LAUNCH DATE MAY 13 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 460.342

RL 151.16 LAL -.00 LOL 231.57 VL 27.127 GAL 3.34 AZL 89.53 MCA 201.87 SMA 130.10 ECC .17180 INC .4692 V1 29.476
 RP 107.82 LAP -.17 LOP 73.43 VP 37.971 GAP .79 AZP 90.44 TAL 163.50 TAP 5.37 RCA 107.75 APO 152.45 V2 35.149
 RC 91.113 GL 4.74 GP -41.86 ZAL 63.55 ZAP 100.96 ETS 351.33 ZAE 137.35 ETE 239.34 ZAC 119.28 ETC 354.20 CLP -104.79

PLANETOCENTRIC CONIC

C3 7.211 VHL 2.685 DLA 9.07 RAL 170.94 RAD 6567.2 VEL 11.340 PTH 1.95 VHP 3.797 DPA -24.50 RAP 137.72 ECC 1.1187
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 15 44 2285.30 -21.22 46.01 19.82 109.20 6 53 49 1685.3 -18.41 38.47
 90.00 20 31 12 4359.32 5.16 180.89 17.81 62.12 21 43 51 3759.3 1.39 174.24
 100.00 7 41 30 2008.67 -22.01 25.36 19.51 110.75 8 14 59 1408.7 -18.99 17.86
 100.00 21 48 7 4111.18 5.90 162.24 17.41 60.64 22 56 38 3511.2 1.94 155.69
 110.00 8 59 50 1763.56 -24.10 5.79 18.55 115.01 9 29 13 1163.6 -20.53 358.46
 110.00 22 46 17 3929.06 7.83 147.23 16.22 56.62 23 51 46 3329.1 3.39 140.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1758 TRA .6999 TC3-3.5682 BAU .4933 SGT 2469.9 SGR 3130.5 SG3 1047.4 ST 591.5 SR 976.7 SS 1380.9
 RDE -.3175 RRA 1.0813 RC3-3.6685 FAU .11941 RRT .9782 RRF .9983 RTF .9769 CRT .9963 CRS -.9921 CST -.9786
 FDE -1.5359 FRA 4.0597 FC-14.3370 BSP 12270 SGB 3987.5 R23 .0778 R13 .9952 LSA 1786.6 MSA 135.5 SSA 13.9
 BDE .3630 BRA 1.2881 BC3 5.1176 FSP -3402 SG1 3966.9 SG2 404.7 TMA 51.87 EL1 1141.0 EL2 43.3 ALF 58.84

LAUNCH DATE MAY 13 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 466.646

RL 151.16 LAL -.00 LOL 231.57 VL 27.122 GAL 3.43 AZL 90.04 MCA 205.09 SMA 130.06 ECC .17258 INC .0221 V1 29.476
 RP 107.78 LAP .02 LOP 76.66 VP 37.977 GAP 1.21 AZP 89.97 TAL 163.15 TAP 8.24 RCA 107.62 APO 152.51 V2 35.160
 RC 93.352 GL -.38 GP -37.32 ZAL 62.74 ZAP 105.73 ETS 348.98 ZAE 139.11 ETE 231.54 ZAC 121.25 ETC 355.57 CLP -109.93

PLANETOCENTRIC CONIC

C3 7.290 VHL 2.700 DLA 4.07 RAL 169.58 RAD 6567.2 VEL 11.344 PTH 1.95 VHP 3.671 DPA -19.74 RAP 137.91 ECC 1.1200
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 48 42 2128.80 -17.40 36.12 17.54 112.70 7 24 11 1528.8 -14.17 28.93
 90.00 19 47 20 4519.75 10.17 190.02 16.61 63.43 21 2 40 3919.7 6.52 183.24
 100.00 8 11 57 1860.28 -18.14 16.04 17.20 114.17 8 42 57 1260.3 -14.72 8.91
 100.00 21 6 46 4263.51 10.89 170.80 16.24 61.99 22 17 50 3663.5 7.06 164.10
 110.00 9 24 34 1632.98 -20.11 357.76 16.18 118.24 9 51 47 1033.0 -16.18 350.84
 110.00 22 10 38 4063.57 12.79 154.50 15.12 58.03 23 18 22 3463.6 8.47 148.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.3224 TRA .8202 TC3-4.0547 BAU .5054 SGT 2882.1 SGR 2783.9 SG3 1116.2 ST 863.8 SR 962.2 SS 1614.0
 RDE -.3492 RRA .9581 RC3-3.2321 FAU .12637 RRT .9827 RRF .9975 RTF .9818 CRT .9991 CRS -.9925 CST -.9959
 FDE -2.0203 FRA 4.2788 FC-15.0068 BSP 12293 SGB 4007.1 R23 .0873 R13 .9937 LSA 2065.1 MSA 110.4 SSA 17.0
 BDE .4753 BRA 1.2612 BC3 5.1852 FSP -3643 SG1 3989.8 SG2 372.1 TMA 43.99 EL1 1292.8 EL2 27.4 ALF 48.09

LAUNCH DATE MAY 13 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 472.932

RL 151.16 LAL -.00 LOL 231.57 VL 27.116 GAL 3.53 AZL 90.44 MCA 208.32 SMA 130.02 ECC .17356 INC .4359 V1 29.476
 RP 107.75 LAP .21 LOP 79.88 VP 37.983 GAP 1.63 AZP 89.62 TAL 162.75 TAP 11.07 RCA 107.45 APO 152.58 V2 35.170
 RC 95.596 GL -4.32 GP -33.35 ZAL 62.05 ZAP 110.48 ETS 347.19 ZAE 139.84 ETE 224.15 ZAC 122.90 ETC 357.10 CLP-114.76

PLANETOCENTRIC CONIC

C3 7.500 VML 2.739 CLA .14 RAL 168.75 RAD 6567.2 VEL 11.353 PTH 1.96 VMP 3.619 DPA -15.56 RAP 137.98 ECC 1.1234
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 14 38 2011.83 -14.19 29.04 16.46 114.76 7 48 10 1411.8 -10.73 22.06
 90.00 19 14 48 4646.93 13.93 197.46 16.43 65.10 20 32 15 4046.9 10.46 190.50
 100.00 8 36 2 1749.23 -14.92 9.37 16.11 116.21 9 5 12 1149.2 -11.28 2.47
 100.00 20 36 4 4384.76 14.66 177.82 16.07 63.66 21 49 9 3784.8 11.01 170.94
 110.00 9 44 26 1535.13 -16.85 352.03 15.03 120.19 10 10 1 935.1 -12.72 345.37
 110.00 21 44 10 4171.63 16.60 160.56 14.99 59.68 22 53 41 3571.6 12.45 153.91

DIFFERENTIAL CORRECTIONS

TDE -.4722 TRA .9386 TC3-4.4225 BAU .5240
 RDE -.3552 RRA .8520 RC3-2.7846 FAU .12898
 FDE -2.4230 FRA 4.3841 FC-14.8875 BSP 12557
 BDE .5909 BRA 1.2676 BC3 5.2262 FSP -3766

MID-COURSE EXECUTION ACCURACY

SGT 3271.0 SGR 2460.8 SG3 1147.3
 RRT .9850 RRF .9962 RTF .9847
 SGB 4093.3 R23 .0906 R13 .9923
 SG1 4079.1 SG2 340.3 THA 36.84

ORBIT DETERMINATION ACCURACY

ST 1152.4 SR 916.7 SS 1805.1
 CRT .9962 CRS -.9920 CST -.9990
 LSA 2327.2 MSA 104.5 SSA 18.0
 EL1 1471.2 EL2 62.2 ALF 38.48

LAUNCH DATE MAY 13 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 479.199

RL 151.16 LAL -.00 LOL 231.57 VL 27.107 GAL 3.64 AZL 90.76 MCA 211.55 SMA 129.96 ECC .17474 INC .7599 V1 29.476
 RP 107.72 LAP .40 LOP 83.11 VP 37.986 GAP 2.05 AZP 89.35 TAL 162.31 TAP 13.86 RCA 107.25 APO 152.67 V2 35.180
 RC 97.843 GL -7.39 GP -29.88 ZAL 61.39 ZAP 115.08 ETS 345.86 ZAE 139.77 ETE 217.50 ZAC 124.21 ETC 358.71 CLP-119.27

PLANETOCENTRIC CONIC

C3 7.791 VML 2.791 CLA -3.01 RAL 168.32 RAD 6567.3 VEL 11.366 PTH 1.96 VMP 3.621 DPA -11.92 RAP 138.03 ECC 1.1282
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 36 18 1920.97 -11.53 23.68 16.17 116.04 8 8 19 1321.0 -7.94 16.85
 90.00 18 49 41 4751.62 16.84 203.77 16.89 66.89 20 8 52 4151.6 13.57 196.62
 100.00 8 56 15 1663.10 -12.27 4.34 15.79 117.47 9 23 58 1063.1 -8.49 357.59
 100.00 20 12 26 4484.72 17.59 183.80 16.54 65.43 21 27 10 3884.7 14.13 176.71
 110.00 10 1 16 1459.55 -14.22 347.76 14.66 121.42 10 25 36 859.5 -9.96 341.26
 110.00 21 23 54 4261.04 19.59 165.76 15.48 61.41 22 34 55 3661.0 15.62 158.89

DIFFERENTIAL CORRECTIONS

TDE -.6211 TRA 1.0577 TC3-4.6804 BAU .5460
 RDE -.3419 RRA .7628 RC3-2.3609 FAU .12750
 FDE -2.7206 FRA 4.4105 FC-14.1672 BSP 12948
 BDE .7089 BRA 1.3041 BC3 5.2422 FSP -3767

MID-COURSE EXECUTION ACCURACY

SGT 3630.2 SGR 2165.2 SG3 1146.0
 RRT .9856 RRF .9944 RTF .9864
 SGB 4226.9 R23 .0878 R13 .9912
 SG1 4215.2 SG2 315.1 THA 30.64

ORBIT DETERMINATION ACCURACY

ST 1434.1 SR 845.8 SS 1944.6
 CRT .9931 CRS -.9906 CST -.9997
 LSA 2557.7 MSA 106.4 SSA 18.0
 EL1 1662.7 EL2 85.7 ALF 30.45

LAUNCH DATE MAY 13 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 485.446

RL 151.16 LAL -.00 LOL 231.57 VL 27.097 GAL 3.77 AZL 91.03 MCA 214.78 SMA 129.89 ECC .17611 INC 1.0295 V1 29.476
 RP 107.69 LAP .59 LOP 86.34 VP 37.988 GAP 2.47 AZP 89.15 TAL 161.84 TAP 16.61 RCA 107.01 APO 152.77 V2 35.190
 RC 100.092 GL -9.81 GP -26.84 ZAL 60.69 ZAP 119.47 ETS 344.86 ZAE 139.14 ETE 211.76 ZAC 125.15 ETC .36 CLP-123.47

PLANETOCENTRIC CONIC

C3 8.139 VML 2.853 CLA -5.58 RAL 168.19 RAD 6567.3 VEL 11.381 PTH 1.97 VMP 3.663 DPA -8.77 RAP 138.15 ECC 1.1340
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 55 10 1848.50 -9.33 19.50 16.40 116.86 8 25 59 1248.5 -5.66 12.75
 90.00 18 29 49 4840.23 19.12 209.27 17.78 68.71 19 50 29 4240.2 16.06 201.94
 100.00 9 13 52 1594.61 -10.09 .43 16.01 118.29 9 40 27 994.6 -6.23 353.77
 100.00 19 53 48 4569.35 19.90 189.02 17.44 67.23 21 9 57 3969.3 16.65 181.74
 110.00 10 16 4 1399.88 -12.07 344.47 14.82 122.22 10 39 24 799.9 -7.73 358.06
 110.00 21 8 5 4336.85 21.99 170.33 16.41 63.15 22 20 22 3736.8 18.21 163.24

DIFFERENTIAL CORRECTIONS

TDE -.7706 TRA 1.1747 TC3-4.8617 BAU .5719
 RDE -.3191 RRA .6859 RC3-1.9976 FAU .12380
 FDE -2.9362 FRA 4.3637 FC-13.1678 BSP 13518
 BDE .8340 BRA 1.3603 BC3 5.2561 FSP -3710

MID-COURSE EXECUTION ACCURACY

SGT 3963.4 SGR 1904.0 SG3 1122.4
 RRT .9851 RRF .9917 RTF .9874
 SGB 4397.1 R23 .0787 R13 .9905
 SG1 4387.1 SG2 295.6 THA 25.45

ORBIT DETERMINATION ACCURACY

ST 1705.1 SR 764.4 SS 2046.3
 CRT .9896 CRS -.9882 CST -.9999
 LSA 2768.8 MSA 110.5 SSA 17.8
 EL1 1865.9 EL2 100.3 ALF 24.00

LAUNCH DATE MAY 13 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 491.673

RL 151.16 LAL -.00 LOL 231.57 VL 27.085 GAL 3.91 AZL 91.26 MCA 218.01 SMA 129.81 ECC .17769 INC 1.2583 V1 29.476
 RP 107.66 LAP .78 LOP 89.57 VP 37.988 GAP 2.88 AZP 89.01 TAL 161.32 TAP 19.33 RCA 106.74 APO 152.88 V2 35.199
 RC 102.344 GL -11.72 GP -24.19 ZAL 59.95 ZAP 123.61 ETS 344.12 ZAE 138.14 ETE 206.95 ZAC 125.76 ETC 1.97 CLP-127.36

PLANETOCENTRIC CONIC

C3 8.535 VML 2.921 CLA -7.72 RAL 168.31 RAD 6567.3 VEL 11.398 PTH 1.97 VMP 3.737 DPA -6.07 RAP 138.37 ECC 1.1405
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 12 5 1789.58 -7.51 16.13 17.03 117.38 8 41 54 1189.6 -3.78 9.44
 90.00 18 13 51 4916.94 20.94 214.16 18.99 70.49 19 35 48 4316.9 18.09 206.65
 100.00 9 29 42 1539.15 -8.28 357.30 16.62 118.82 9 55 21 939.2 -4.37 350.70
 100.00 19 38 54 4642.60 21.77 193.66 18.66 68.99 20 56 17 4042.6 18.71 186.19
 110.00 10 29 28 1352.04 -10.32 341.87 15.38 122.77 10 52 0 752.0 -5.93 335.53
 110.00 20 55 38 4402.48 23.95 174.42 17.65 64.85 22 9 1 3802.5 20.36 167.11

DIFFERENTIAL CORRECTIONS

TDE -.9171 TRA 1.2930 TC3-4.9679 BAU .5986
 RDE -.2891 RRA .6214 RC3-1.6854 FAU .11809
 FDE -3.0664 FRA 4.2759 FC-11.9779 BSP 14139
 BDE .9616 BRA 1.4346 BC3 5.2460 FSP -3589

MID-COURSE EXECUTION ACCURACY

SGT 4267.2 SGR 1674.4 SG3 1081.8
 RRT .9832 RRF .9878 RTF .9880
 SGB 4584.0 R23 .0659 R13 .9899
 SG1 4575.2 SG2 284.8 THA 21.18

ORBIT DETERMINATION ACCURACY

ST 1957.6 SR 677.1 SS 2109.0
 CRT .9850 CRS -.9843 CST -.9999
 LSA 2953.8 MSA 115.4 SSA 17.5
 EL1 2068.4 EL2 110.5 ALF 18.87

LAUNCH DATE MAY 13 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 497.879

RL 151.16 LAL -.00 LOL 231.57 VL 27.072 GAL 4.07 AZL 91.46 MCA 221.25 SMA 129.72 ECC .17947 INC 1.4565 V1 29.476
 RP 107.63 LAP .96 LOP 92.80 VP 37.986 GAP 3.30 AZP 88.90 TAL 160.77 TAP 22.01 RCA 106.44 APO 153.00 V2 35.208
 RC 104.996 GL -13.25 GP -21.88 ZAL 59.15 ZAP 127.47 ETS 343.56 ZAE 136.95 ETE 203.00 ZAC 126.05 ETC 3.51 CLP-130.96

PLANETOCENTRIC CONIC

C3 8.974 VML 2.996 OLA -9.52 RAL 168.62 RAD 6567.3 VEL 11.418 PTH 1.98 VMP 3.837 DPA -3.76 RAP 138.72 ECC 1.1477
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 27 33 1741.05 -5.98 13.39 17.96 117.73 8 56 34 1141.0 -2.22 6.72
 90.00 18 0 54 4984.60 22.41 218.58 20.44 72.23 19 23 59 4384.6 19.77 210.90
 100.00 9 44 13 1493.71 -6.78 354.76 17.52 119.18 10 9 7 893.7 -2.84 348.19
 100.00 19 26 55 4707.17 23.28 197.86 20.12 70.70 20 45 22 4107.2 20.43 190.22
 110.00 10 41 49 1313.32 -8.89 339.79 16.24 123.14 11 3 43 713.3 -4.47 333.49
 110.00 20 45 48 4460.33 25.58 178.13 19.13 66.51 22 0 8 3860.3 22.18 170.62

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.0613 TRA 1.4122 TC3-5.0153 BAU .6255 SGT 4544.3 SGR 1475.7 SG3 1030.8 ST 2191.7 SR 591.1 SS 2143.2
 RDE -.2561 RRA .5671 RC3-1.4245 FAU .11130 RRT .9798 RRF .9823 RTF .9883 CRT .9784 CRS -.9782 CST -.9999
 FDE-3.1325 FRA 4.1588 FC3-10.7369 BSP 14800 SGB 4777.9 R23 .0512 R13 .9895 LSA 3119.5 MSA 120.3 SSA 17.2
 BDE 1.0917 BRA 1.5218 BC3 5.2136 FSP -3435 SG1 4769.6 SG2 281.0 THA 17.71 EL1 2266.9 EL2 118.0 ALF 14.82

LAUNCH DATE MAY 13 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 504.063

RL 151.16 LAL -.00 LOL 231.57 VL 27.058 GAL 4.24 AZL 91.63 MCA 224.48 SMA 129.62 ECC .18145 INC 1.6307 V1 29.476
 RP 107.61 LAP 1.14 LOP 96.04 VP 37.984 GAP 3.72 AZP 88.84 TAL 160.18 TAP 24.66 RCA 106.10 APO 153.14 V2 35.216
 RC 106.849 GL -14.46 GP -19.86 ZAL 58.30 ZAP 131.06 ETS 343.13 ZAE 135.66 ETE 199.78 ZAC 126.04 ETC 4.93 CLP-134.30

PLANETOCENTRIC CONIC

C3 9.457 VML 3.075 OLA -11.05 RAL 169.10 RAD 6567.3 VEL 11.439 PTH 1.98 VMP 3.958 DPA -1.80 RAP 139.22 ECC 1.1556
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 41 56 1700.76 -4.70 11.12 19.13 117.96 9 10 16 1100.8 -.92 4.47
 90.00 17 50 21 5045.22 23.62 222.61 22.08 73.90 19 14 27 4445.2 21.18 214.79
 100.00 9 57 43 1456.22 -5.53 352.68 18.67 119.42 10 22 0 856.2 -1.57 346.13
 100.00 19 17 15 4764.99 24.53 201.70 21.78 72.36 20 36 40 4165.0 21.88 193.90
 110.00 10 53 24 1281.86 -7.72 338.11 17.33 123.40 11 14 46 681.9 -3.27 331.84
 110.00 20 38 3 4512.11 26.94 181.54 20.82 68.11 21 53 16 3912.1 23.72 173.85

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.2022 TRA 1.5344 TC3-5.0104 BAU .6516 SGT 4795.7 SGR 1305.0 SG3 973.8 ST 2406.1 SR 509.2 SS 2153.1
 RDE -.2216 RRA .5218 RC3-1.2071 FAU .10385 RRT .9744 RRF .9748 RTF .9884 CRT .9685 CRS -.9686 CST -.9999
 FDE-3.1454 FRA 4.0290 FC3-9.5069 BSP 15462 SGB 4970.1 R23 .0368 R13 .9891 LSA 3266.2 MSA 125.2 SSA 17.0
 BDE 1.2224 BRA 1.6208 BC3 5.1537 FSP -3259 SG1 4962.0 SG2 283.5 THA 14.90 EL1 2456.2 EL2 124.3 ALF 11.61

LAUNCH DATE MAY 13 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 510.226

RL 151.16 LAL -.00 LOL 231.57 VL 27.042 GAL 4.43 AZL 91.79 MCA 227.72 SMA 129.51 ECC .18364 INC 1.7860 V1 29.476
 RP 107.59 LAP 1.32 LOP 99.27 VP 37.979 GAP 4.14 AZP 88.80 TAL 159.55 TAP 27.27 RCA 105.73 APO 153.30 V2 35.223
 RC 109.101 GL -15.42 GP -18.10 ZAL 57.38 ZAP 134.39 ETS 342.79 ZAE 134.36 ETE 197.16 ZAC 125.77 ETC 6.22 CLP-137.39

PLANETOCENTRIC CONIC

C3 9.985 VML 3.160 OLA -12.37 RAL 169.72 RAD 6567.4 VEL 11.462 PTH 1.99 VMP 4.096 DPA -.16 RAP 139.87 ECC 1.1643
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 55 27 1667.20 -3.62 9.24 20.50 118.10 9 23 14 1067.2 .16 2.60
 90.00 17 41 47 5100.25 24.60 226.34 23.89 75.52 19 6 47 4500.3 22.37 218.38
 100.00 10 10 26 1425.24 -4.49 350.97 20.02 119.58 10 34 12 825.2 -.52 344.43
 100.00 19 9 28 4817.45 25.56 205.25 23.60 73.95 20 29 46 4217.4 23.12 197.31
 110.00 11 4 22 1256.35 -6.76 336.76 18.62 123.59 11 25 18 656.4 2.30 330.51
 110.00 20 32 2 4559.09 28.09 184.71 22.67 69.67 21 48 1 3959.1 25.06 176.84

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.3374 TRA 1.6627 TC3-4.9534 BAU .6752 SGT 5020.6 SGR 1158.7 SG3 913.6 ST 2597.5 SR 432.6 SS 2139.9
 RDE -.1861 RRA .4848 RC3-1.0239 FAU .09585 RRT .9664 RRF .9645 RTF .9882 CRT .9523 CRS -.9530 CST -.9999
 FDE-3.1108 FRA 3.9001 FC3-8.3106 BSP 16039 SGB 5152.6 R23 .0245 R13 .9886 LSA 3390.5 MSA 130.6 SSA 16.9
 BDE 1.3503 BRA 1.7319 BC3 5.0581 FSP -3055 SG1 5144.4 SG2 290.8 THA 12.61 EL1 2630.0 EL2 130.3 ALF 9.03

LAUNCH DATE MAY 13 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 516.364

RL 151.16 LAL -.00 LOL 231.57 VL 27.026 GAL 4.63 AZL 91.93 MCA 230.96 SMA 129.40 ECC .18604 INC 1.9261 V1 29.476
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.974 GAP 4.56 AZP 88.79 TAL 158.89 TAP 29.85 RCA 105.33 APO 153.47 V2 35.230
 RC 111.351 GL -16.18 GP -16.57 ZAL 56.42 ZAP 137.48 ETS 342.50 ZAE 133.09 ETE 195.04 ZAC 125.27 ETC 7.37 CLP-140.26

PLANETOCENTRIC CONIC

C3 10.564 VML 3.250 OLA -13.52 RAL 170.46 RAD 6567.4 VEL 11.487 PTH 2.00 VMP 4.250 DPA 1.21 RAP 140.66 ECC 1.1738
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 8 15 1639.32 -2.73 7.68 22.03 118.20 9 35 34 1039.3 1.06 1.05
 90.00 17 34 51 5150.76 25.42 229.82 25.84 77.08 19 0 42 4550.8 23.39 221.74
 100.00 10 22 30 1399.74 -3.63 349.56 21.53 119.69 10 45 50 799.7 .35 343.03
 100.00 19 3 17 4865.57 26.43 208.57 25.57 75.50 20 24 23 4265.6 24.17 200.49
 110.00 11 14 50 1235.87 -5.98 335.67 20.07 123.72 11 35 25 635.9 -1.51 329.44
 110.00 20 27 27 4602.21 29.07 187.68 24.67 71.17 21 44 9 4002.2 26.23 179.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.4721 TRA 1.7929 TC3-4.8702 BAU .6988 SGT 5227.3 SGR 1035.1 SG3 854.3 ST 2773.9 SR 364.9 SS 2117.4
 RDE -.1523 RRA .4533 RC3 -.8755 FAU .08831 RRT .9555 RRF .9511 RTF .9880 CRT .9274 CRS -.9286 CST -.9999
 FDE-3.0569 FRA 3.7649 FC3-7.2374 BSP 16657 SGB 5328.8 R23 .0131 R13 .9882 LSA 3506.1 MSA 135.6 SSA 16.7
 BDE 1.4800 BRA 1.8494 BC3 4.9483 FSP -2869 SG1 5320.3 SG2 300.0 THA 10.75 EL1 2794.6 EL2 135.5 ALF 6.97

LAUNCH DATE MAY 13 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC
 RL 151.16 LAL -.00 LOL 231.57 VL 27.008 GAL 4.85 AZL 92.05 MCA 234.20 SMA 129.28 ECC .18866 INC 2.0540 V1 29.476
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.967 GAP 4.98 AZP 88.80 TAL 158.20 TAP 32.41 RCA 104.89 APO 153.67 V2 35.236
 RC 113.598 GL -16.75 GP -15.22 ZAL 55.41 ZAP 140.34 ETS 342.23 ZAE 131.88 ETE 193.30 ZAC 124.57 ETC 8.38 CLP-142.92

PLANETOCENTRIC CONIC
 C3 11.197 VHL 3.346 DLA -14.52 RAL 171.30 RAD 6567.4 VEL 11.515 PTH 2.01 VHP 4.417 DPA 2.33 RAP 141.59 ECC 1.1843
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 20 27 1616.34 -1.99 6.39 23.71 118.25 9 47 23 1016.3 1.81 359.77
 90.00 17 29 20 5197.57 26.09 233.08 27.92 78.59 18 55 57 4597.6 24.25 224.89
 100.00 10 34 1 1378.99 -2.93 348.42 23.18 119.76 10 57 0 779.0 1.05 341.90
 100.00 18 58 27 4910.16 27.15 211.69 27.66 76.98 20 20 17 4310.2 25.09 203.49
 110.00 11 24 52 1219.71 -5.37 334.82 21.67 123.81 11 45 11 619.7 -9.0 328.60
 110.00 20 24 5 4642.20 29.92 190.48 26.80 72.64 21 41 28 4042.2 27.25 182.31

DIFFERENTIAL CORRECTIONS
 TDE-1.6042 TRA 1.9289 TC3-4.7563 BAU .7208 SGT 5414.5 SGR 930.5 SG3 796.6 ST 2932.8 SR 305.7 SS 2084.4
 RDE -.1195 RRA .4271 RC3 -.7522 FAU .08100 RRT .9411 RRF .9338 RTF .9878 CRT .8871 CRS -.8889 CST -.9999
 FDE-2.9836 FRA 3.6349 FC3-6.2630 BSP 17237 SGB 5493.9 R23 .0036 R13 .9878 LSA 3608.3 MSA 140.5 SSA 16.6
 BDE 1.6086 BRA 1.9756 BC3 4.8154 FSP -2685 SG1 5485.1 S23 310.7 TMA 9.22 EL1 2945.4 EL2 140.5 ALF 5.29

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 13 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC
 RL 151.16 LAL -.00 LOL 231.57 VL 26.989 GAL 5.09 AZL 92.17 MCA 237.45 SMA 129.15 ECC .19152 INC 2.1719 V1 29.476
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.958 GAP 5.41 AZP 88.83 TAL 157.48 TAP 34.93 RCA 104.42 APO 153.89 V2 35.241
 RC 115.842 GL -17.18 GP -14.04 ZAL 54.36 ZAP 143.00 ETS 341.96 ZAE 130.74 ETE 191.88 ZAC 123.69 ETC 9.25 CLP-145.41

PLANETOCENTRIC CONIC
 C3 11.892 VHL 3.448 DLA -15.39 RAL 172.22 RAD 6567.5 VEL 11.545 PTH 2.01 VHP 4.596 DPA 3.24 RAP 142.64 ECC 1.1957
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 32 6 1597.70 -1.39 5.35 25.52 118.29 9 58 44 997.7 2.41 358.73
 90.00 17 25 1 5241.28 26.64 236.16 30.10 80.04 18 52 22 4641.3 24.99 227.88
 100.00 10 45 2 1362.42 -2.37 347.51 24.97 119.81 11 7 44 762.4 1.61 340.99
 100.00 18 54 47 4951.80 27.75 214.63 29.86 78.42 20 17 19 4351.8 25.88 206.33
 110.00 11 34 31 1207.39 -4.91 334.17 23.39 123.87 11 54 39 607.4 -4.2 327.96
 110.00 20 21 47 4679.59 30.65 193.15 29.05 74.06 21 39 46 4079.6 28.16 184.84

DIFFERENTIAL CORRECTIONS
 TDE-1.7335 TRA 2.0715 TC3-4.6170 BAU .7412 SGT 5583.8 SGR 842.2 SG3 741.3 ST 3074.3 SR 255.5 SS 2043.0
 RDE -.0877 RRA .4053 RC3 -.6490 FAU .07403 RRT .9224 RRF .9123 RTF .9874 CRT .8212 CRS -.8237 CST -.9999
 FDE-2.8964 FRA 3.5127 FC3-5.3892 BSP 17776 SGB 5646.9 R23 -.0041 R13 .9874 LSA 3697.2 MSA 145.5 SSA 16.4
 BDE 1.7357 BRA 2.1108 BC3 4.6624 FSP -2507 SG1 5637.7 S23 322.1 TMA 7.95 EL1 3081.5 EL2 145.5 ALF 3.91

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 13 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC
 RL 151.16 LAL -.00 LOL 231.57 VL 26.969 GAL 5.35 AZL 92.28 MCA 240.69 SMA 129.02 ECC .19461 INC 2.2816 V1 29.476
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.949 GAP 5.85 AZP 88.88 TAL 156.73 TAP 37.42 RCA 103.91 APO 154.13 V2 35.246
 RC 118.080 GL -17.49 GP -13.00 ZAL 53.27 ZAP 145.48 ETS 341.67 ZAE 129.69 ETE 190.70 ZAC 122.65 ETC 10.00 CLP-147.74

PLANETOCENTRIC CONIC
 C3 12.655 VHL 3.557 DLA -16.16 RAL 173.21 RAD 6567.5 VEL 11.578 PTH 2.02 VHP 4.786 DPA 3.96 RAP 143.81 ECC 1.2083
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 43 16 1582.98 -.91 4.53 27.43 118.30 10 9 39 983.0 2.88 357.90
 90.00 17 21 46 5282.39 27.09 239.09 32.38 81.43 18 49 49 4682.4 25.63 230.73
 100.00 10 55 36 1349.63 -1.94 346.81 26.86 119.84 11 18 5 749.6 2.04 340.29
 100.00 18 52 8 4990.97 28.26 217.44 32.16 79.82 20 15 19 4391.0 26.56 209.04
 110.00 11 43 50 1198.51 -4.57 333.71 25.22 123.91 12 3 48 598.5 -.08 327.49
 110.00 20 20 23 4714.86 31.28 195.70 31.40 75.45 21 38 58 4114.9 28.97 187.26

DIFFERENTIAL CORRECTIONS
 TDE-1.8579 TRA 2.2246 TC3-4.4468 BAU .7583 SGT 5734.1 SGR 767.8 SG3 688.8 ST 3196.2 SR 215.4 SS 1993.2
 RDE -.0565 RRA .3874 RC3 -.5607 FAU .06718 RRT .8990 RRF .8859 RTF .9869 CRT .7138 CRS -.7173 CST -.9999
 FDE-2.7966 FRA 3.4040 FC3-4.5957 BSP 18203 SGB 5785.2 R23 -.0100 R13 .9869 LSA 3769.9 MSA 150.8 SSA 16.2
 BDE 1.8588 BRA 2.2581 BC3 4.4820 FSP -2326 SG1 5775.6 S23 333.8 TMA 6.89 EL1 3199.9 EL2 150.7 ALF 2.76

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 13 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC
 RL 151.16 LAL -.00 LOL 231.57 VL 26.949 GAL 5.62 AZL 92.38 MCA 243.93 SMA 128.88 ECC .19795 INC 2.3845 V1 29.476
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.938 GAP 6.29 AZP 88.95 TAL 155.96 TAP 39.90 RCA 103.37 APO 154.39 V2 35.250
 RC 120.312 GL -17.68 GP -12.08 ZAL 52.16 ZAP 147.79 ETS 341.36 ZAE 128.72 ETE 189.72 ZAC 121.48 ETC 10.63 CLP-149.92

PLANETOCENTRIC CONIC
 C3 13.495 VHL 3.674 DLA -16.83 RAL 174.26 RAD 6567.5 VEL 11.614 PTH 2.03 VHP 4.988 DPA 4.51 RAP 145.09 ECC 1.2221
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 53 58 1571.86 -.55 3.91 29.45 118.31 10 20 10 971.9 3.24 357.28
 90.00 17 19 28 5321.27 27.46 241.87 34.75 82.79 18 48 9 4721.3 26.17 233.44
 100.00 11 5 44 1340.32 -1.63 346.29 28.85 119.85 11 28 4 740.3 2.36 339.77
 100.00 18 50 24 5028.04 28.67 220.11 34.56 81.17 20 14 12 4428.0 27.15 211.64
 110.00 11 52 49 1192.80 -4.35 333.41 27.15 123.94 12 12 42 592.8 .13 327.20
 110.00 20 19 48 4748.32 31.83 198.16 33.85 76.81 21 38 56 4148.3 29.68 189.60

DIFFERENTIAL CORRECTIONS
 TDE-1.9850 TRA 2.3820 TC3-4.2730 BAU .7760 SGT 5874.2 SGR 705.3 SG3 640.4 ST 3309.0 SR 186.9 SS 1944.6
 RDE -.0271 RRA .3718 RC3 -.4879 FAU .06114 RRT .8709 RRF .8545 RTF .9865 CRT .5553 CRS -.5556 CST -.9999
 FDE-2.7017 FRA 3.2976 FC3-3.9221 BSP 18691 SGB 5916.4 R23 -.0154 R13 .9864 LSA 3839.4 MSA 155.5 SSA 16.1
 BDE 1.9852 BRA 2.4109 BC3 4.3008 FSP -2172 SG1 5906.4 S23 344.7 TMA 5.99 EL1 3310.6 EL2 155.4 ALF 1.80

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 13 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 546.662

RL 151.16 LAL -.00 LOL 231.57 VL 26.928 GAL 5.92 AZL 92.48 MCA 247.18 SMA 128.74 ECC .20156 INC 2.4819 V1 29.476
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.926 GAP 6.74 AZP 89.04 TAL 155.16 TAP 42.34 RCA 102.79 APO 154.69 V2 35.253
 RC 122.538 GL -17.78 GP -11.27 ZAL 51.02 ZAP 149.96 ETS 340.99 ZAE 127.82 ETE 188.91 ZAC 120.19 ETC 11.17 CLP-151.97

PLANETOCENTRIC CONIC

C3 14.423 VHL 3.798 CLA -17.43 RAL 175.36 RAD 6567.6 VEL 11.654 PTH 2.05 VHP 5.200 DPA 4.92 RAP 146.46 ECC 1.2374
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 4 13 1564.10 -.30 3.48 31.55 118.32 10 30 17 964.1 3.49 356.85
 90.00 17 18 1 5358.21 27.74 244.54 37.21 84.09 18 47 19 4758.2 26.64 236.05
 100.00 11 15 27 1334.24 -1.42 345.96 30.93 119.86 11 37 41 734.2 2.56 339.44
 100.00 18 49 28 5063.30 29.02 222.68 37.04 82.48 20 13 51 4463.3 27.67 214.13
 110.00 12 1 29 1190.02 -4.25 333.26 29.17 123.95 12 21 19 590.0 .24 327.05
 110.00 20 19 55 4780.29 32.30 200.53 36.39 78.14 21 39 35 4180.3 30.33 191.87

DIFFERENTIAL CORRECTIONS

TOE-2.1099 TRA 2.5491 TC3-4.0830 BAU .7915
 ROE .0016 RRA .3586 RC3 -.4254 FAU .05546
 FDE-2.6041 FRA 3.2011 FC3-3.3291 BSP 19124
 BOE 2.1099 BRA 2.5742 BC3 4.1051 FSP -2025

MID-COURSE EXECUTION ACCURACY

SGT 5999.7 SGR 652.6 SG3 595.2
 RRT .8376 RRF .8180 RTF .9860
 SGB 6035.1 R23 -.0197 R13 .9859
 SG1 6024.7 SG2 355.0 THA 5.22

ORBIT DETERMINATION ACCURACY

ST 3406.4 SR 170.4 SS 1892.6
 CRT .3425 CRS -.3474 CST -.9999
 LSA 3897.3 MSA 160.3 SSA 15.8
 EL1 3406.9 EL2 160.1 ALF .98

LAUNCH DATE MAY 13 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 552.632

RL 151.16 LAL -.00 LOL 231.57 VL 26.906 GAL 6.23 AZL 92.57 MCA 250.43 SMA 128.59 ECC .20545 INC 2.5748 V1 29.476
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.913 GAP 7.20 AZP 89.14 TAL 154.35 TAP 44.77 RCA 102.17 APO 155.01 V2 35.256
 RC 124.755 GL -17.80 GP -10.55 ZAL 49.86 ZAP 151.99 ETS 340.58 ZAE 127.00 ETE 188.22 ZAC 118.80 ETC 11.61 CLP-153.90

PLANETOCENTRIC CONIC

C3 15.448 VHL 3.930 CLA -17.94 RAL 176.51 RAD 6567.6 VEL 11.698 PTH 2.06 VHP 5.422 DPA 5.19 RAP 147.91 ECC 1.2542
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 14 1 1559.53 -.15 3.23 33.73 118.32 10 40 1 959.5 3.63 356.59
 90.00 17 17 19 5393.48 27.96 247.10 39.74 85.36 18 47 13 4793.5 27.03 238.56
 100.00 11 24 46 1331.22 -1.32 345.80 33.09 119.87 11 46 57 731.2 2.67 339.27
 100.00 18 49 15 5097.02 29.29 225.15 39.59 83.75 20 14 12 4497.0 28.12 216.54
 110.00 12 9 50 1190.01 -4.25 333.26 31.26 123.95 12 29 40 590.0 .24 327.05
 110.00 20 20 40 4810.99 32.70 202.83 39.01 79.45 21 40 51 4211.0 30.90 194.08

DIFFERENTIAL CORRECTIONS

TOE-2.2347 TRA 2.7254 TC3-3.8826 BAU .8055
 ROE .0296 RRA .3471 RC3 -.3714 FAU .05018
 FDE-2.5081 FRA 3.1132 FC3-2.8122 BSP 19523
 BOE 2.2349 BRA 2.7474 BC3 3.9003 FSP -1888

MID-COURSE EXECUTION ACCURACY

SGT 6112.9 SGR 608.3 SG3 553.3
 RRT .7992 RRF .7765 RTF .9855
 SGB 6143.1 R23 -.0231 R13 .9854
 SG1 6132.2 SG2 364.5 THA 4.56

ORBIT DETERMINATION ACCURACY

ST 3491.4 SR 165.5 SS 1839.8
 CRT .1039 CRS -.1093 CST -.9999
 LSA 3946.5 MSA 164.9 SSA 15.6
 EL1 3491.5 EL2 164.6 ALF .28

LAUNCH DATE MAY 13 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 558.565

RL 151.16 LAL -.00 LOL 231.57 VL 26.883 GAL 6.57 AZL 92.66 MCA 253.67 SMA 128.44 ECC .20964 INC 2.6640 V1 29.476
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.898 GAP 7.67 AZP 89.25 TAL 153.51 TAP 47.18 RCA 101.51 APO 155.37 V2 35.258
 RC 126.964 GL -17.75 GP -9.91 ZAL 48.69 ZAP 153.91 ETS 340.09 ZAE 126.25 ETE 187.63 ZAC 117.31 ETC 11.98 CLP-155.74

PLANETOCENTRIC CONIC

C3 16.584 VHL 4.072 CLA -18.40 RAL 177.68 RAD 6567.7 VEL 11.746 PTH 2.07 VHP 5.656 DPA 5.34 RAP 149.44 ECC 1.2729
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 23 22 1557.99 -.10 3.14 35.99 118.32 10 49 20 958.0 3.68 356.51
 90.00 17 17 19 5427.26 28.13 249.56 42.34 86.58 18 47 46 4827.3 27.36 240.97
 100.00 11 33 41 1331.11 -1.31 345.79 35.31 119.87 11 55 52 731.1 2.67 339.27
 100.00 18 49 42 5129.38 29.51 227.53 42.22 84.98 20 15 11 4529.4 28.50 218.87
 110.00 12 17 53 1192.63 -4.35 333.40 33.42 123.94 12 37 45 592.6 .14 327.19
 110.00 20 21 59 4840.62 33.05 205.08 41.70 80.73 21 42 40 4240.6 31.42 196.23

DIFFERENTIAL CORRECTIONS

TOE-2.3591 TRA 2.9130 TC3-3.6750 BAU .8180
 ROE .0571 RRA .3370 RC3 -.3246 FAU .04531
 FDE-2.4145 FRA 3.0346 FC3-2.3655 BSP 19897
 BOE 2.3598 BRA 2.9325 BC3 3.6893 FSP -1762

MID-COURSE EXECUTION ACCURACY

SGT 6215.5 SGR 571.1 SG3 514.8
 RRT .7560 RRF .7304 RTF .9850
 SGB 6241.7 R23 -.0259 R13 .9849
 SG1 6230.5 SG2 372.9 THA 3.99

ORBIT DETERMINATION ACCURACY

ST 3564.3 SR 170.3 SS 1786.6
 CRT -.1182 CRS .1127 CST -.9999
 LSA 3987.0 MSA 169.4 SSA 15.4
 EL1 3564.3 EL2 169.1 ALF 179.68

LAUNCH DATE MAY 13 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 564.461

RL 151.16 LAL -.00 LOL 231.57 VL 26.860 GAL 6.93 AZL 92.75 MCA 256.92 SMA 128.29 ECC .21416 INC 2.7504 V1 29.476
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.883 GAP 8.15 AZP 89.38 TAL 152.66 TAP 49.58 RCA 100.81 APO 155.76 V2 35.259
 RC 129.165 GL -17.63 GP -9.34 ZAL 47.52 ZAP 155.72 ETS 339.53 ZAE 125.56 ETE 187.12 ZAC 115.75 ETC 12.28 CLP-157.48

PLANETOCENTRIC CONIC

C3 17.845 VHL 4.224 CLA -18.79 RAL 178.87 RAD 6567.7 VEL 11.799 PTH 2.09 VHP 5.901 DPA 5.39 RAP 151.03 ECC 1.2937
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 32 17 1559.38 -.15 3.22 38.30 118.32 10 58 16 959.4 3.64 356.58
 90.00 17 17 57 5459.73 28.24 251.92 45.00 87.76 18 48 57 4859.7 27.63 243.31
 100.00 11 42 11 1333.78 -1.40 345.94 37.60 119.86 12 4 25 733.8 2.58 339.41
 100.00 18 50 44 5160.56 29.67 229.83 44.91 86.18 20 16 44 4560.6 28.83 221.13
 110.00 12 25 36 1197.76 -4.54 333.67 35.65 123.92 12 45 34 597.8 -.06 327.45
 110.00 20 23 48 4869.35 33.34 207.27 44.47 82.00 21 44 58 4269.3 31.88 198.35

DIFFERENTIAL CORRECTIONS

TOE-2.4808 TRA 3.1150 TC3-3.4544 BAU .8269
 ROE .0845 RRA .3281 RC3 -.2830 FAU .04061
 FDE-2.3203 FRA 2.9671 FC3-1.9701 BSP 20161
 BOE 2.4822 BRA 3.1322 BC3 3.4659 FSP -1637

MID-COURSE EXECUTION ACCURACY

SGT 6305.2 SGR 539.7 SG3 479.1
 RRT .7081 RRF .6801 RTF .9845
 SGB 6328.3 R23 -.0277 R13 .9844
 SG1 6316.8 SG2 380.4 THA 3.48

ORBIT DETERMINATION ACCURACY

ST 3622.4 SR 181.9 SS 1731.4
 CRT -.2980 CRS .2924 CST -.9999
 LSA 4015.2 MSA 173.9 SSA 15.2
 EL1 3622.8 EL2 173.6 ALF 179.14

LAUNCH DATE MAY 13 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC
 RL 151.16 LAL -.00 LOL 231.57 VL 26.837 GAL 7.31 AZL 92.83 HCA 260.17 SMA 128.13 ECC .21902 INC 2.8344 V1 29.476
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.867 GAP 8.64 AZP 89.52 TAL 151.79 TAP 51.95 RCA 100.07 APO 156.19 V2 35.259
 RC 131.355 GL -17.46 GP -8.83 ZAL 46.34 ZAP 157.44 ETS 338.87 ZAE 124.92 ETE 186.69 ZAC 114.12 ETC 12.52 CLP-159.15

PLANETOCENTRIC CONIC
 C3 19.248 VHL 4.387 DLA -19.13 RAL 180.09 RAD 6567.8 VEL 11.859 PTM 2.10 VMP 6.158 DPA 5.34 RAP 152.68 ECC 1.3168
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 40 44 1563.60 -.28 3.45 40.67 118.32 11 6 47 963.6 3.50 356.82
 90.00 17 19 10 5491.03 28.30 254.21 47.72 88.91 18 50 41 4891.0 27.85 245.58
 100.00 11 50 17 1339.16 -1.59 346.23 39.95 119.85 12 12 36 739.2 2.40 339.71
 100.00 18 52 18 5190.70 29.79 232.06 47.67 87.35 20 18 49 4590.7 29.10 223.33
 110.00 12 33 0 1205.31 -4.83 334.06 37.93 123.88 12 53 5 605.3 -.34 327.85
 110.00 20 26 4 4897.31 33.59 209.41 47.30 83.25 21 47 42 4297.3 32.29 200.42

DIFFERENTIAL CORRECTIONS
 TOE-2.6069 TRA 3.3256 TC3-3.2393 BAU .8360 SGT 6387.5 SGR 513.0 SG3 446.4 ST 3674.2 SR 196.9 SS 1679.9
 ROE .1114 RRA .3195 RC3 -.2470 FAU .03646 RRT .6564 RRF .6261 RTF .9840 CRT -.4314 CRS .4261 CST -.9999
 FDE-2.2349 FRA 2.9032 FC3-1.6400 BSP 20482 SGB 6408.1 R23 -.0293 R13 .9839 LSA 4040.9 MSA 177.9 SSA 15.0
 BOE 2.6093 BRA 3.3410 BC3 3.2487 FSP -1531 SG1 6396.4 SG2 386.5 TMA 3.03 EL1 3675.2 EL2 177.6 ALF 178.67

LAUNCH DATE MAY 13 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC
 RL 151.16 LAL -.00 LOL 231.57 VL 26.813 GAL 7.72 AZL 92.92 HCA 263.41 SMA 127.97 ECC .22426 INC 2.9169 V1 29.476
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.849 GAP 9.15 AZP 89.67 TAL 150.91 TAP 54.32 RCA 99.27 APO 156.67 V2 35.259
 RC 133.537 GL -17.24 GP -8.37 ZAL 45.16 ZAP 159.07 ETS 338.10 ZAE 124.34 ETE 186.31 ZAC 112.42 ETC 12.72 CLP-160.75

PLANETOCENTRIC CONIC
 C3 20.813 VHL 4.562 DLA -19.41 RAL 181.31 RAD 6567.8 VEL 11.924 PTM 2.12 VMP 6.428 DPA 5.21 RAP 154.38 ECC 1.3425
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 48 43 1570.57 -.51 3.84 43.09 118.31 11 14 53 970.6 3.28 357.21
 90.00 17 20 54 5521.28 28.32 256.42 50.50 90.02 18 52 56 4921.3 28.02 247.77
 100.00 11 57 57 1347.15 -1.86 346.67 42.34 119.84 12 20 24 747.2 2.13 340.15
 100.00 18 54 22 5219.93 29.86 234.23 50.48 88.49 20 21 21 4619.9 29.33 225.47
 110.00 12 40 3 1215.20 -5.20 334.58 40.26 123.83 13 0 19 615.2 -.72 328.36
 110.00 20 28 44 4924.64 33.79 211.52 50.19 84.48 21 50 49 4324.6 32.66 202.47

DIFFERENTIAL CORRECTIONS
 TOE-2.7342 TRA 3.5499 TC3-3.0222 BAU .8431 SGT 6460.7 SGR 490.3 SG3 416.3 ST 3716.1 SR 213.6 SS 1629.6
 ROE .1382 RRA .3112 RC3 -.2150 FAU .03260 RRT .6011 RRF .5690 RTF .9836 CRT -.5283 CRS .5232 CST -.9999
 FDE-2.1537 FRA 2.8469 FC3-1.3559 BSP 20771 SGB 6479.3 R23 -.0305 R13 .9835 LSA 4059.2 MSA 181.6 SSA 14.8
 BOE 2.7377 BRA 3.5636 BC3 3.0299 FSP -1432 SG1 6467.4 SG2 391.4 TMA 2.62 EL1 3717.8 EL2 181.3 ALF 178.26

LAUNCH DATE MAY 13 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC
 RL 151.16 LAL -.00 LOL 231.57 VL 26.788 GAL 8.16 AZL 93.00 HCA 266.66 SMA 127.81 ECC .22990 INC 2.9982 V1 29.476
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.831 GAP 9.68 AZP 89.83 TAL 150.02 TAP 56.68 RCA 98.43 APO 157.19 V2 35.257
 RC 135.709 GL -16.98 GP -7.96 ZAL 43.99 ZAP 160.63 ETS 337.19 ZAE 123.79 ETE 185.97 ZAC 110.68 ETC 12.88 CLP-162.28

PLANETOCENTRIC CONIC
 C3 22.563 VHL 4.750 DLA -19.65 RAL 182.53 RAD 6567.9 VEL 11.998 PTM 2.14 VMP 6.711 DPA 5.00 RAP 156.12 ECC 1.3713
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 56 14 1580.22 -.82 4.38 45.56 118.31 11 22 34 980.2 2.97 357.75
 90.00 17 23 8 5550.58 28.30 258.57 53.32 91.09 18 55 39 4950.6 28.15 249.91
 100.00 12 5 12 1357.68 -2.21 347.25 44.78 119.82 12 27 49 757.7 1.77 340.73
 100.00 18 56 52 5248.35 29.89 236.35 53.34 89.61 20 24 20 4648.4 29.52 227.56
 110.00 12 46 47 1227.35 -5.66 335.22 42.64 123.77 13 7 14 627.4 -1.19 329.00
 110.00 20 31 46 4951.45 33.94 213.60 53.14 85.70 21 54 17 4351.4 32.98 204.50

DIFFERENTIAL CORRECTIONS
 TOE-2.8632 TRA 3.7882 TC3-2.8053 BAU .8481 SGT 6524.7 SGR 470.8 SG3 388.6 ST 3748.7 SR 230.7 SS 1580.8
 ROE .1651 RRA .3029 RC3 -.1866 FAU .02901 RRT .5427 RRF .5093 RTF .9832 CRT -.5989 CRS .5941 CST -.9999
 FDE-2.0769 FRA 2.7970 FC3-1.1131 BSP 21032 SGB 6541.6 R23 -.0312 R13 .9831 LSA 4070.7 MSA 185.0 SSA 14.5
 BOE 2.8680 BRA 3.8003 BC3 2.8115 FSP -1340 SG1 6529.7 SG2 395.1 TMA 2.25 EL1 3751.3 EL2 184.7 ALF 177.88

LAUNCH DATE MAY 13 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC
 RL 151.16 LAL -.00 LOL 231.57 VL 26.764 GAL 8.63 AZL 93.08 HCA 269.91 SMA 127.65 ECC .23599 INC 3.0790 V1 29.476
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.811 GAP 10.23 AZP 90.00 TAL 149.13 TAP 59.03 RCA 97.52 APO 157.77 V2 35.255
 RC 137.871 GL -16.68 GP -7.59 ZAL 42.83 ZAP 162.12 ETS 336.13 ZAE 123.29 ETE 185.67 ZAC 108.88 ETC 13.01 CLP-163.76

PLANETOCENTRIC CONIC
 C3 24.524 VHL 4.952 DLA -19.85 RAL 183.75 RAD 6568.0 VEL 12.079 PTM 2.16 VMP 7.010 DPA 4.72 RAP 157.90 ECC 1.4036
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 3 17 1592.48 -1.22 5.06 48.06 118.29 11 29 49 992.5 2.57 358.43
 90.00 17 25 49 5579.04 28.24 260.65 56.19 92.13 18 58 48 4979.0 28.24 251.98
 100.00 12 12 1 1370.68 -2.65 347.96 47.26 119.79 12 34 51 770.7 1.33 341.44
 100.00 18 59 46 5276.07 29.89 238.41 56.24 90.69 20 27 42 4676.1 29.66 229.61
 110.00 12 53 10 1241.71 -6.20 335.98 45.06 123.68 13 13 52 641.7 -1.74 329.75
 110.00 20 35 6 4977.81 34.06 215.65 56.14 86.91 21 58 4 4377.8 33.26 206.50

DIFFERENTIAL CORRECTIONS
 TOE-2.9911 TRA 4.0457 TC3-2.5840 BAU .8488 SGT 6579.5 SGR 454.1 SG3 363.1 ST 3769.7 SR 247.7 SS 1532.0
 ROE .1924 RRA .2945 RC3 -.1610 FAU .02552 RRT .4822 RRF .4482 RTF .9828 CRT -.6507 CRS .6459 CST -.9999
 FDE-2.0015 FRA 2.7568 FC3 -.9009 BSP 21176 SGB 6595.2 R23 -.0312 R13 .9827 LSA 4072.3 MSA 188.3 SSA 14.3
 BOE 2.9973 BRA 4.0564 BC3 2.5890 FSP -1248 SG1 6583.2 SG2 397.6 TMA 1.91 EL1 3773.2 EL2 187.9 ALF 177.55

LAUNCH DATE MAY 13 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 593.213

RL 151.16 LAL -0.00 LOL 231.57 VL 26.739 GAL 9.14 AZL 93.16 MCA 273.15 SMA 127.48 ECC .24257 INC 3.1598 V1 29.476
 RP 107.50 LAP 3.16 LOP 144.72 VP 37.791 GAP 10.80 AZP 90.17 TAL 148.23 TAP 61.39 RCA 96.56 APO 158.41 V2 35.253
 RC 140.023 GL -16.35 GP -7.25 ZAL 41.68 ZAP 163.55 ETS 334.89 ZAE 122.82 ETE 185.40 ZAC 107.06 ETC 13.12 CLP-165.19

PLANETOCENTRIC CONIC

C3 26.726 VML 5.170 DLA -20.00 RAL 184.96 RAD 6568.1 VEL 12.170 PTH 2.18 VMP 7.326 DPA 4.37 RAP 159.70 ECC 1.4399
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 9 51 1607.28 -1.69 5.89 50.59 118.27 11 36 38 1007.3 2.10 359.26
 90.00 17 28 54 5606.72 28.16 262.67 59.10 93.14 19 2 20 5006.7 28.30 254.01
 100.00 12 18 23 1386.09 -3.17 348.81 49.77 119.74 12 41 29 786.1 .81 342.29
 100.00 19 3 2 5303.15 29.85 240.42 59.18 91.75 20 31 25 4703.2 29.77 231.62
 110.00 12 59 12 1258.20 -6.83 336.85 47.51 123.58 13 20 10 658.2 -2.37 330.61
 110.00 20 38 43 5003.81 34.14 217.68 59.18 88.11 22 2 7 4403.8 33.50 208.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.1264 TRA 4.3154 TC3-2.3732 BAU .8494 SGT 6628.0 SGR 439.3 SG3 339.6 ST 3787.1 SR 263.6 SS 1487.7
 RDE .2196 RRA .2853 RC3 -.1385 FAU .02243 RRT .4192 RRF .3851 RTF .9826 CRT -.6902 CRS .6856 CST -.9999
 FDE-1.9348 FRA 2.7193 FC3 -.7267 BSP 21403 SGB 6642.6 R23 -.0312 R13 .9825 LSA 4072.9 MSA 190.9 SSA 14.0
 BDE 3.1341 BRA 4.3248 BC3 2.3773 FSP -1170 SG1 6630.6 SG2 398.7 THA 1.60 EL1 3791.5 EL2 190.5 ALF 177.24

LAUNCH DATE MAY 13 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 598.778

RL 151.16 LAL -0.00 LOL 231.57 VL 26.714 GAL 9.68 AZL 93.24 MCA 276.40 SMA 127.32 ECC .24968 INC 3.2411 V1 29.476
 RP 107.51 LAP 3.22 LOP 147.97 VP 37.770 GAP 11.40 AZP 90.36 TAL 147.34 TAP 63.74 RCA 95.53 APO 159.11 V2 35.249
 RC 142.165 GL -15.99 GP -6.95 ZAL 40.55 ZAP 164.92 ETS 333.41 ZAE 122.37 ETE 185.16 ZAC 105.19 ETC 13.20 CLP-166.58

PLANETOCENTRIC CONIC

C3 29.208 VML 5.404 DLA -20.11 RAL 186.15 RAD 6568.2 VEL 12.271 PTH 2.21 VMP 7.660 DPA 3.97 RAP 161.53 ECC 1.4807
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 15 55 1624.58 -2.25 6.85 53.15 118.23 11 43 0 1024.6 1.54 .23
 90.00 17 32 21 5633.70 28.04 264.63 62.05 94.12 19 6 14 5033.7 28.32 255.98
 100.00 12 24 20 1403.83 -3.77 349.79 52.31 119.68 12 47 43 803.8 .21 343.26
 100.00 19 6 38 5329.68 29.77 242.39 62.16 92.78 20 35 27 4729.7 29.84 233.58
 110.00 13 4 52 1276.76 -7.52 337.84 50.00 123.44 13 26 9 676.8 -3.07 331.58
 110.00 20 42 34 5029.51 34.18 219.68 62.26 89.29 22 6 24 4429.5 33.70 210.47

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.2654 TRA 4.6029 TC3-2.1667 BAU .8473 SGT 6669.0 SGR 426.4 SG3 317.9 ST 3797.3 SR 278.3 SS 1445.6
 RDE .2473 RRA .2754 RC3 -.1184 FAU .01955 RRT .3546 RRF .3207 RTF .9824 CRT -.7209 CRS .7165 CST -.9999
 FDE-1.8727 FRA 2.6877 FC3 -.5794 BSP 21605 SGB 6682.6 R23 -.0308 R13 .9823 LSA 4068.1 MSA 193.0 SSA 13.7
 BDE 3.2747 BRA 4.6112 BC3 2.1700 FSP -1098 SG1 6670.7 SG2 398.6 THA 1.30 EL1 3802.6 EL2 192.6 ALF 176.97

LAUNCH DATE MAY 13 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 604.262

RL 151.16 LAL -0.00 LOL 231.57 VL 26.689 GAL 10.26 AZL 93.32 MCA 279.64 SMA 127.16 ECC .25737 INC 3.3234 V1 29.476
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.748 GAP 12.03 AZP 90.56 TAL 146.45 TAP 66.10 RCA 94.43 APO 159.88 V2 35.245
 RC 144.295 GL -15.61 GP -6.67 ZAL 39.45 ZAP 166.24 ETS 331.64 ZAE 121.94 ETE 184.94 ZAC 103.31 ETC 13.28 CLP-167.94

PLANETOCENTRIC CONIC

C3 32.013 VML 5.658 DLA -20.19 RAL 187.32 RAD 6568.3 VEL 12.385 PTH 2.24 VMP 8.015 DPA 3.52 RAP 163.37 ECC 1.5268
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 21 31 1644.27 -2.89 7.95 55.74 118.18 11 48 55 1044.3 .90 1.33
 90.00 17 36 8 5660.02 27.90 266.55 65.02 95.07 19 10 28 5060.0 28.31 257.90
 100.00 12 29 49 1423.84 -4.45 350.89 54.87 119.59 12 53 33 823.8 -.47 344.36
 100.00 19 10 31 5355.69 29.67 244.32 65.17 93.79 20 39 46 4755.7 29.88 235.52
 110.00 13 10 11 1297.34 -8.29 338.93 52.51 123.28 13 31 48 697.3 -3.86 332.65
 110.00 20 46 38 5054.96 34.18 221.67 65.37 90.47 22 10 53 4455.0 33.87 212.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.4091 TRA 4.9096 TC3-1.9654 BAU .8422 SGT 6702.7 SGR 414.8 SG3 298.0 ST 3801.1 SR 291.7 SS 1405.9
 RDE .2753 RRA .2644 RC3 -.1006 FAU .01684 RRT .2884 RRF .2555 RTF .9823 CRT -.7453 CRS .7409 CST -.9999
 FDE-1.8153 FRA 2.6620 FC3 -.4554 BSP 21785 SGB 6715.5 R23 -.0301 R13 .9823 LSA 4058.5 MSA 194.6 SSA 13.4
 BDE 3.4202 BRA 4.9168 BC3 1.9679 FSP -1031 SG1 6703.8 SG2 397.2 THA 1.03 EL1 3807.3 EL2 194.2 ALF 176.72

LAUNCH DATE MAY 13 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 19 1967

HELIOCENTRIC CONIC

DISTANCE 609.653

RL 151.16 LAL -0.00 LOL 231.57 VL 26.663 GAL 10.89 AZL 93.41 MCA 282.89 SMA 126.99 ECC .26572 INC 3.4073 V1 29.476
 RP 107.53 LAP 3.32 LOP 154.48 VP 37.726 GAP 12.69 AZP 90.76 TAL 145.58 TAP 68.46 RCA 93.25 APO 160.74 V2 35.240
 RC 146.414 GL -15.21 GP -6.42 ZAL 38.37 ZAP 167.52 ETS 329.50 ZAE 121.53 ETE 184.73 ZAC 101.40 ETC 13.34 CLP-169.27

PLANETOCENTRIC CONIC

C3 35.192 VML 5.932 DLA -20.24 RAL 188.47 RAD 6568.4 VEL 12.512 PTH 2.27 VMP 8.393 DPA 3.03 RAP 165.23 ECC 1.5792
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 26 36 1666.31 -3.59 9.19 58.34 118.11 11 54 22 1066.3 .19 2.55
 90.00 17 40 13 5685.74 27.73 268.41 68.01 95.99 19 14 59 5085.7 28.27 259.79
 100.00 12 34 51 1446.05 -5.19 352.12 57.46 119.48 12 58 57 846.0 -1.23 345.57
 100.00 19 14 39 5381.24 29.54 246.20 68.21 94.78 20 44 21 4781.2 29.89 237.42
 110.00 13 15 7 1319.86 -9.13 340.14 55.04 123.08 13 37 7 719.9 -4.71 333.84
 110.00 20 50 53 5080.19 34.15 223.64 68.51 91.63 22 15 33 4480.2 34.00 214.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.5579 TRA 5.2381 TC3-1.7692 BAU .8333 SGT 6729.6 SGR 404.5 SG3 279.5 ST 3798.6 SR 303.7 SS 1368.7
 RDE .3039 RRA .2521 RC3 -.0848 FAU .01427 RRT .2211 RRF .1896 RTF .9823 CRT -.7650 CRS .7606 CST -.9999
 FDE-1.7623 FRA 2.6423 FC3 -.3511 BSP 21933 SGB 6741.8 R23 -.0290 R13 .9823 LSA 4044.3 MSA 195.6 SSA 13.1
 BDE 3.5709 BRA 5.2442 BC3 1.7712 FSP -969 SG1 6730.2 SG2 394.5 THA .76 EL1 3805.7 EL2 195.2 ALF 176.49

LAUNCH DATE MAY 14 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 23 1967

HELIOCENTRIC CONIC

DISTANCE 135.674

RL 151.19 LAL -1.00 LOL 232.53 VL 17.29H GAL 18.02 AZL 91.65 HCA 43.37 SMA 91.13 ECC .69897 INC 1.6517 V1 29.470
 RP 108.81 LAP -1.13 LOP 275.89 VP 31.353 GAP -43.20 AZP 91.20 TAL 171.75 TAP 215.13 RCA 27.43 APO 154.82 V2 34.827
 RC 68.060 GL -1.95 GP 1.85 ZAL 69.13 ZAP 29.08 ETS 185.58 ZAE 145.04 ETE 170.49 ZAC 137.65 ETC 25.86 CLP 29.02

PLANETOCENTRIC CONIC

C3 194.566 VHL 13.949 CLA 4.72 RAL 163.97 RAD 6571.1 VEL 17.773 PTH 2.99 VMP 24.713 DPA 23.32 RAP 128.32 ECC 4.2021
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 17 33 2875.67 -28.32 87.36 65.07 90.04 7 5 28 2275.7 -28.01 78.70
 90.00 19 25 54 5226.19 26.46 235.10 60.26 79.53 20 53 0 4626.2 24.75 226.85
 100.00 7 41 6 2606.14 -29.89 67.53 65.06 90.32 8 24 32 2006.1 -29.53 58.74
 100.00 20 45 2 4970.95 28.01 216.00 59.93 79.10 22 7 53 4370.9 26.22 207.65
 110.00 8 54 26 2376.63 -34.17 50.04 65.00 91.12 9 34 3 1776.6 -33.63 40.84
 110.00 21 48 11 4773.22 32.20 200.01 58.94 77.84 23 7 44 4173.2 30.19 191.37

DIFFERENTIAL CORRECTIONS

TOE .6853 TRA-1.6886 TC3 -.1074 BAU .2820
 ROE -.9762 RRA -.5128 RC3 .0152 FAU .01326
 FDE -.3221 FRA .6243 FC3 -.0590 BSP 2106
 BOE 1.1927 BRA 1.7647 BC3 .1084 FSP -60

MID-COURSE EXECUTION ACCURACY

SGT 808.3 SGR 455.2 SG3 28.8
 RRT .0585 RRF -.0548 RTF -.6209
 SGB 927.6 R23 -.0017 R13 -.6211
 SG1 808.9 SG2 454.1 THA 2.76

ORBIT DETERMINATION ACCURACY

ST 350.6 SR 406.0 SS 327.2
 CRT -.7001 CRS -.7739 CST .9923
 LSA 586.2 MSA 225.9 SSA 13.9
 EL1 495.7 EL2 205.0 ALF 129.06

LAUNCH DATE MAY 14 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 25 1967

HELIOCENTRIC CONIC

DISTANCE 141.514

RL 151.19 LAL -1.00 LOL 232.53 VL 18.004 GAL 17.29 AZL 91.80 HCA 46.54 SMA 92.71 ECC .67157 INC 1.8039 V1 29.470
 RP 108.83 LAP -1.31 LOP 279.06 VP 31.740 GAP -41.20 AZP 91.24 TAL 171.02 TAP 217.57 RCA 30.45 APO 154.97 V2 34.820
 RC 65.936 GL -2.34 GP 1.90 ZAL 68.00 ZAP 27.57 ETS 185.83 ZAE 145.61 ETE 169.50 ZAC 136.12 ETC 25.09 CLP 27.51

PLANETOCENTRIC CONIC

C3 175.923 VHL 13.264 CLA 3.92 RAL 164.87 RAD 6570.9 VEL 17.241 PTH 2.94 VMP 23.727 DPA 23.02 RAP 130.09 ECC 3.8953
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 27 8 2834.49 -28.28 84.34 64.29 91.55 7 14 22 2234.5 -27.76 75.72
 90.00 19 23 31 5234.80 26.57 235.70 60.30 79.82 20 50 46 4634.8 24.89 227.44
 100.00 7 50 18 2566.19 -29.84 64.56 64.23 91.89 8 33 5 1966.2 -29.26 55.80
 100.00 20 43 1 4978.33 28.10 216.53 59.99 79.36 22 6 0 4378.3 26.35 208.17
 110.00 9 2 46 2339.41 -34.08 47.14 64.03 92.83 9 41 45 1739.4 -33.31 37.98
 110.00 21 47 3 4777.88 32.26 200.35 59.02 78.04 23 6 41 4177.9 30.28 191.70

DIFFERENTIAL CORRECTIONS

TOE .6859 TRA-1.6926 TC3 -.1136 BAU .2704
 ROE -.9358 RRA -.4984 RC3 .0177 FAU .01343
 FDE -.3376 FRA .6462 FC3 -.0661 BSP 2210
 BOE 1.1602 BRA 1.7644 BC3 .1150 FSP -66

MID-COURSE EXECUTION ACCURACY

SGT 846.0 SGR 460.6 SG3 31.2
 RRT .0621 RRF -.0581 RTF -.6399
 SGB 963.3 R23 -.0017 R13 -.6401
 SG1 846.7 SG2 459.4 THA 2.75

ORBIT DETERMINATION ACCURACY

ST 369.1 SR 409.4 SS 345.1
 CRT -.6986 CRS -.7765 CST .9917
 LSA 607.5 MSA 231.6 SSA 14.1
 EL1 508.5 EL2 212.6 ALF 130.77

LAUNCH DATE MAY 14 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 27 1967

HELIOCENTRIC CONIC

DISTANCE 147.445

RL 151.19 LAL -1.00 LOL 232.53 VL 18.663 GAL 16.58 AZL 91.94 HCA 49.71 SMA 94.30 ECC .64470 INC 1.9408 V1 29.470
 RP 108.85 LAP -1.48 LOP 282.22 VP 32.111 GAP -39.31 AZP 91.26 TAL 170.31 TAP 220.02 RCA 33.51 APO 155.10 V2 34.813
 RC 63.861 GL -2.75 GP 1.96 ZAL 66.93 ZAP 26.08 ETS 186.12 ZAE 146.28 ETE 168.41 ZAC 134.56 ETC 24.36 CLP 26.01

PLANETOCENTRIC CONIC

C3 159.146 VHL 12.615 CLA 3.13 RAL 165.71 RAD 6570.7 VEL 16.747 PTH 2.90 VMP 22.777 DPA 22.70 RAP 131.86 ECC 3.6191
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 36 25 2792.55 -28.16 81.28 63.38 93.08 7 22 58 2192.6 -27.44 72.69
 90.00 19 20 53 5242.53 26.66 236.25 60.23 80.08 20 48 16 4642.5 25.01 227.97
 100.00 7 59 13 2525.47 -29.71 61.54 63.28 93.47 8 41 19 1925.5 -28.91 52.83
 100.00 20 40 46 4984.85 28.18 217.00 59.92 79.60 22 3 51 4384.8 26.46 208.62
 110.00 9 10 49 2301.39 -33.91 44.18 62.93 94.58 9 49 10 1701.4 -32.91 35.09
 110.00 21 45 40 4781.69 32.32 200.64 58.98 78.20 23 5 22 4181.7 30.35 191.97

DIFFERENTIAL CORRECTIONS

TOE .6888 TRA-1.6938 TC3 -.1191 BAU .2571
 ROE -.8957 RRA -.4834 RC3 .0206 FAU .01365
 FDE -.3540 FRA .6679 FC3 -.0742 BSP 2375
 BOE 1.1300 BRA 1.7614 BC3 .1208 FSP -73

MID-COURSE EXECUTION ACCURACY

SGT 884.1 SGR 465.3 SG3 33.8
 RRT .0644 RRF -.0611 RTF -.6590
 SGB 999.1 R23 -.0025 R13 -.6593
 SG1 884.8 SG2 464.0 THA 2.68

ORBIT DETERMINATION ACCURACY

ST 399.1 SR 412.1 SS 363.8
 CRT -.6987 CRS -.7793 CST .9913
 LSA 630.4 MSA 236.6 SSA 14.4
 EL1 522.5 EL2 219.5 ALF 132.64

LAUNCH DATE MAY 14 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 29 1967

HELIOCENTRIC CONIC

DISTANCE 153.462

RL 151.19 LAL -1.00 LOL 232.53 VL 19.279 GAL 15.89 AZL 92.07 HCA 52.87 SMA 95.90 ECC .61843 INC 2.0655 V1 29.470
 RP 108.87 LAP -1.65 LOP 285.38 VP 32.467 GAP -37.52 AZP 91.25 TAL 169.62 TAP 222.49 RCA 36.59 APO 155.20 V2 34.807
 RC 61.839 GL -3.19 GP 2.03 ZAL 65.92 ZAP 24.60 ETS 186.46 ZAE 147.05 ETE 167.19 ZAC 132.97 ETC 23.68 CLP 24.52

PLANETOCENTRIC CONIC

C3 144.035 VHL 12.001 CLA 2.33 RAL 166.47 RAD 6570.6 VEL 16.290 PTH 2.85 VMP 21.861 DPA 22.37 RAP 133.65 ECC 3.3705
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 45 26 2749.82 -27.97 78.17 62.35 94.63 7 31 16 2149.8 -27.03 69.63
 90.00 19 18 0 5249.45 26.74 236.74 60.02 80.31 20 45 30 4649.4 25.13 228.44
 100.00 8 7 51 2483.95 -29.50 58.47 62.20 95.07 8 49 15 1883.9 -28.48 49.81
 100.00 20 38 16 4990.55 28.25 217.41 59.72 79.80 22 1 26 4390.6 26.55 209.01
 110.00 9 18 35 2262.55 -33.66 41.17 61.71 96.34 9 56 18 1662.6 -32.42 32.16
 110.00 21 44 1 4784.71 32.36 200.86 58.80 78.33 23 3 46 4184.7 30.41 192.19

DIFFERENTIAL CORRECTIONS

TOE .6894 TRA-1.6967 TC3 -.1248 BAU .2447
 ROE -.8562 RRA -.4679 RC3 .0238 FAU .01387
 FDE -.3706 FRA .6901 FC3 -.0834 BSP 2491
 BOE 1.0993 BRA 1.7600 BC3 .1271 FSP -80

MID-COURSE EXECUTION ACCURACY

SGT 924.8 SGR 469.4 SG3 36.7
 RRT .0681 RRF -.0646 RTF -.6767
 SGB 1037.1 R23 -.0026 R13 -.6770
 SG1 925.6 SG2 467.9 THA 2.66

ORBIT DETERMINATION ACCURACY

ST 409.3 SR 414.2 SS 383.0
 CRT -.6973 CRS -.7818 CST .9907
 LSA 653.7 MSA 241.4 SSA 14.6
 EL1 536.5 EL2 226.5 ALF 134.51

LAUNCH DATE MAY 14 1967

FLIGHT TIME 78.00

ARRIVAL DATE JUL 31 1967

HELIOCENTRIC CONIC

DISTANCE 159.559

RL 151.19 LAL -1.00 LOL 232.53 VL 19.855 GAL 15.21 AZL 92.18 MCA 56.03 SMA 97.48 ECC .59285 INC 2.1800 V1 29.470
 RP 108.89 LAP -1.81 LOP 288.55 VP 32.806 GAP -35.82 AZP 91.22 TAL 168.94 TAP 224.97 RCA 39.69 APO 155.28 V2 34.802
 RC 59.876 GL -3.66 GP 2.10 ZAL 64.98 ZAP 23.15 ETS 186.86 ZAE 147.93 ETE 165.82 ZAC 131.36 ETC 23.04 CLP 23.06

PLANETOCENTRIC CONIC

C3 130.412 VML 11.420 OLA 1.53 RAL 167.17 RAD 6570.4 VEL 15.866 PTH 2.81 VMP 20.978 DPA 22.02 RAP 135.45 ECC 3.1463
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 54 10 2706.27 -27.69 75.01 61.20 96.19 7 39 16 2106.3 -26.54 66.53
 90.00 19 14 51 5255.60 26.81 237.18 59.69 80.52 20 42 26 4655.6 25.22 228.87
 100.00 8 16 13 2441.60 -29.20 55.36 61.01 96.69 8 56 55 1841.6 -27.97 46.77
 100.00 20 35 29 4995.50 28.31 217.76 59.40 79.98 21 58 44 4395.5 26.64 209.36
 110.00 9 26 6 2222.89 -33.32 38.13 60.38 98.11 10 3 9 1622.9 -31.84 29.21
 110.00 21 42 5 4786.98 32.39 201.03 58.50 78.42 23 1 52 4187.0 30.46 192.35

DIFFERENTIAL CORRECTIONS

TDE .6919 TRA-1.6970 TC3 -.1296 BAU .2310
 RDE -.8171 RRA -.4521 RC3 .0275 FAU .01413
 FDE -.3880 FRA .7125 FC3 -.0938 BSP 2657
 BDE 1.0707 BRA 1.7562 BC3 .1325 FSP -88

MID-COURSE EXECUTION ACCURACY

SGT 966.2 SGR 472.8 SG3 39.8
 RRT .0709 RRF -.0679 RTF -.6945
 SGB 1075.7 R23 -.0034 R13 -.6947
 SG1 967.0 SG2 471.2 TMA 2.61

ORBIT DETERMINATION ACCURACY

ST 431.1 SR 415.6 SS 403.1
 CRT -.6973 CRS -.7845 CST .9902
 LSA 678.6 MSA 245.5 SSA 14.8
 EL1 551.7 EL2 232.8 ALF 136.50

LAUNCH DATE MAY 14 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 2 1967

HELIOCENTRIC CONIC

DISTANCE 165.730

RL 151.19 LAL -1.00 LOL 232.53 VL 20.393 GAL 14.56 AZL 92.29 MCA 59.20 SMA 99.06 ECC .56801 INC 2.2863 V1 29.470
 RP 108.90 LAP -1.96 LOP 291.71 VP 33.130 GAP -34.20 AZP 91.17 TAL 168.29 TAP 227.48 RCA 42.79 APO 155.33 V2 34.797
 RC 57.979 GL -4.15 GP 2.18 ZAL 64.10 ZAP 21.71 ETS 187.33 ZAE 148.93 ETE 164.28 ZAC 129.74 ETC 22.43 CLP 21.61

PLANETOCENTRIC CONIC

C3 118.124 VML 10.869 OLA .72 RAL 167.80 RAD 6570.2 VEL 15.475 PTH 2.76 VMP 20.126 DPA 21.65 RAP 137.25 ECC 2.9440
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 2 39 2661.87 -27.32 71.82 59.94 97.75 7 47 1 2061.9 -25.97 63.41
 90.00 19 11 24 5261.08 26.87 237.57 59.24 80.71 20 39 5 4661.1 25.31 229.25
 100.00 8 24 20 2398.41 -28.82 52.20 59.70 98.30 9 4 18 1798.4 -27.37 43.70
 100.00 20 32 24 4999.78 28.36 218.07 58.96 80.13 21 55 44 4399.8 26.71 209.66
 110.00 9 33 21 2182.38 -32.89 35.05 58.95 99.89 10 9 43 1582.4 -31.18 26.24
 110.00 21 39 53 4788.57 32.41 201.15 58.07 78.49 22 59 41 4188.6 30.49 192.46

DIFFERENTIAL CORRECTIONS

TDE .6945 TRA-1.6960 TC3 -.1337 BAU .2169
 RDE -.7786 RRA -.4360 RC3 .0316 FAU .01442
 FDE -.4063 FRA .7350 FC3 -.1057 BSP 2838
 BDE 1.0433 BRA 1.7512 BC3 .1374 FSP -97

MID-COURSE EXECUTION ACCURACY

SGT 1009.0 SGR 475.4 SG3 43.1
 RRT .0736 RRF -.0715 RTF -.7117
 SGB 1115.4 R23 -.0043 R13 -.7119
 SG1 1009.7 SG2 473.8 TMA 2.55

ORBIT DETERMINATION ACCURACY

ST 454.0 SR 416.2 SS 423.9
 CRT -.6975 CRS -.7872 CST .9898
 LSA 704.9 MSA 249.0 SSA 14.9
 EL1 567.9 EL2 238.4 ALF 138.55

LAUNCH DATE MAY 14 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 4 1967

HELIOCENTRIC CONIC

DISTANCE 171.971

RL 151.19 LAL -1.00 LOL 232.53 VL 20.897 GAL 13.93 AZL 92.39 MCA 62.36 SMA 100.62 ECC .54395 INC 2.3859 V1 29.470
 RP 108.92 LAP -2.11 LOP 294.87 VP 33.438 GAP -32.65 AZP 91.11 TAL 167.66 TAP 230.02 RCA 45.89 APO 155.35 V2 34.793
 RC 56.154 GL -4.68 GP 2.26 ZAL 63.29 ZAP 20.29 ETS 187.90 ZAE 150.03 ETE 162.53 ZAC 128.09 ETC 21.86 CLP 20.17

PLANETOCENTRIC CONIC

C3 107.037 VML 10.346 OLA -.09 RAL 168.37 RAD 6570.1 VEL 15.112 PTH 2.72 VMP 19.303 DPA 21.27 RAP 139.06 ECC 2.7616
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 10 53 2616.62 -26.86 68.58 58.59 99.31 7 54 30 2016.6 -25.30 60.26
 90.00 19 7 38 5265.99 26.92 237.92 58.67 80.87 20 35 24 4666.0 25.38 229.59
 100.00 8 32 11 2354.37 -28.34 49.02 58.30 99.92 9 11 25 1754.4 -26.68 40.61
 100.00 20 29 1 5003.47 28.40 218.34 58.39 80.27 21 52 25 4403.5 26.77 209.92
 110.00 9 40 20 2141.04 -32.36 31.94 57.42 101.66 10 16 1 1541.0 -30.42 23.26
 110.00 21 37 22 4789.57 32.43 201.23 57.52 78.53 22 57 11 4189.6 30.51 192.53

DIFFERENTIAL CORRECTIONS

TDE .6946 TRA-1.6967 TC3 -.1379 BAU .2040
 RDE -.7407 RRA -.4198 RC3 .0362 FAU .01472
 FDE -.4251 FRA .7583 FC3 -.1191 BSP 2957
 BDE 1.0154 BRA 1.7479 BC3 .1426 FSP -107

MID-COURSE EXECUTION ACCURACY

SGT 1054.7 SGR 477.4 SG3 46.7
 RRT .0780 RRF -.0757 RTF -.7273
 SGB 1157.7 R23 -.0045 R13 -.7275
 SG1 1055.5 SG2 475.6 TMA 2.54

ORBIT DETERMINATION ACCURACY

ST 477.0 SR 416.1 SS 445.5
 CRT -.6961 CRS -.7897 CST .9890
 LSA 731.5 MSA 252.4 SSA 15.1
 EL1 584.0 EL2 244.0 ALF 140.57

LAUNCH DATE MAY 14 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 6 1967

HELIOCENTRIC CONIC

DISTANCE 178.275

RL 151.19 LAL -1.00 LOL 232.53 VL 21.367 GAL 13.32 AZL 92.48 MCA 65.52 SMA 102.16 ECC .52071 INC 2.4798 V1 29.470
 RP 108.93 LAP -2.26 LOP 298.03 VP 33.730 GAP -31.17 AZP 91.03 TAL 167.06 TAP 232.58 RCA 48.96 APO 155.36 V2 34.790
 RC 54.407 GL -5.24 GP 2.35 ZAL 62.55 ZAP 18.88 ETS 188.58 ZAE 151.23 ETE 160.52 ZAC 126.43 ETC 21.32 CLP 18.74

PLANETOCENTRIC CONIC

C3 97.028 VML 9.850 OLA -.90 RAL 168.86 RAD 6569.9 VEL 14.777 PTH 2.67 VMP 18.509 DPA 20.88 RAP 140.86 ECC 2.5968
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 18 53 2570.52 -26.31 65.32 57.13 100.86 8 1 43 1970.5 -24.55 57.10
 90.00 19 3 33 5270.41 26.97 238.23 57.98 81.02 20 31 24 4670.4 25.45 229.89
 100.00 8 39 48 2309.48 -27.78 45.80 56.81 101.52 9 18 18 1709.5 -25.91 37.50
 100.00 20 25 19 5006.68 28.44 218.57 57.71 80.39 21 48 45 4406.7 26.82 210.14
 110.00 9 47 5 2098.87 -31.74 28.80 55.80 103.41 10 22 4 1498.9 -29.57 20.27
 110.00 21 34 31 4790.06 32.43 201.26 56.84 78.55 22 54 21 4190.1 30.52 192.57

DIFFERENTIAL CORRECTIONS

TDE .6970 TRA-1.6937 TC3 -.1403 BAU .1898
 RDE -.7033 RRA -.4034 RC3 .0414 FAU .01508
 FDE -.4451 FRA .7816 FC3 -.1346 BSP 3141
 BDE .9902 BRA 1.7411 BC3 .1463 FSP -117

MID-COURSE EXECUTION ACCURACY

SGT 1100.7 SGR 478.6 SG3 50.7
 RRT .0813 RRF -.0798 RTF -.7430
 SGB 1200.3 R23 -.0055 R13 -.7432
 SG1 1101.6 SG2 476.7 TMA 2.49

ORBIT DETERMINATION ACCURACY

ST 501.8 SR 415.1 SS 468.2
 CRT -.6964 CRS -.7924 CST .9885
 LSA 760.4 MSA 254.7 SSA 15.3
 EL1 602.1 EL2 248.3 ALF 142.66

LAUNCH DATE MAY 14 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 8 1967

HELIOCENTRIC CONIC

DISTANCE 184.639

RL 151.19 LAL -.00 LOL 232.53 VL 21.807 GAL 12.72 AZL 92.57 MCA 68.68 SMA 103.68 ECC .49832 INC 2.5690 V1 29.470
 RP 108.93 LAP -2.39 LOP 301.19 VP 34.008 GAP -29.76 ATP 90.93 TAL 166.49 TAP 235.17 RCA 52.01 APO 155.34 V2 34.787
 RC 52.748 GL -5.83 GP 2.45 ZAL 61.87 ZAP 17.48 ETS 189.41 ZAE 152.54 ETE 158.19 ZAC 124.76 ETC 20.81 CLP 17.31

PLANETOCENTRIC CONIC

C3 87.994 VML 9.381 DLA -1.73 RAL 169.27 RAD 6569.7 VEL 14.469 PTH 2.63 VHP 17.741 DPA 20.48 RAP 142.67 ECC 2.4482
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 26 39 2523.55 -25.67 62.03 55.60 102.38 8 8 42 1923.6 -23.71 53.91
 90.00 18 59 7 5274.49 27.01 238.52 57.17 81.16 20 27 1 4674.5 25.51 230.18
 100.00 8 47 11 2263.75 -27.11 42.56 55.23 103.10 9 24 55 1663.7 -25.04 34.38
 100.00 20 21 15 5009.53 28.47 218.77 56.91 80.49 21 44 45 4409.5 26.86 210.34
 110.00 9 53 35 2055.88 -31.02 25.66 54.11 105.14 10 27 53 1455.9 -28.63 17.28
 110.00 21 31 21 4790.16 32.43 201.27 56.06 78.56 22 51 11 4190.2 30.52 192.58

DIFFERENTIAL CORRECTIONS

TOE .6996 TRA-1.6895 TC3 -.1415 BAU .1755
 ROE -.6666 RRA -.3870 RC3 .0472 FAU .01547
 FDE -.4663 FRA .8054 FC3 -.1522 BSP 3331
 BDE .9663 BRA 1.7332 BC3 .1492 FSP -129

MID-COURSE EXECUTION ACCURACY

SGT 1148.4 SGR 479.1 SG3 55.0
 RRT .0848 RRF -.0843 RTF -.7581
 SGB 1244.4 R23 -.0066 R13 -.7583
 SGI 1149.3 SG2 477.0 TMA 2.45

ORBIT DETERMINATION ACCURACY

ST 527.8 SR 413.3 SS 491.9
 CRT -.6969 CRS -.7952 CST .9881
 LSA 790.8 MSA 256.4 SSA 15.5
 ELI 621.3 EL2 251.8 ALF 144.76

LAUNCH DATE MAY 14 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 10 1967

HELIOCENTRIC CONIC

DISTANCE 191.056

RL 151.19 LAL -.00 LOL 232.53 VL 22.218 GAL 12.15 AZL 92.65 MCA 71.84 SMA 105.17 ECC .47679 INC 2.6546 V1 29.470
 RP 108.94 LAP -2.52 LOP 304.35 VP 34.272 GAP -28.41 ATP 90.83 TAL 165.95 TAP 237.80 RCA 55.02 APO 155.31 V2 34.786
 RC 51.183 GL -6.46 GP 2.56 ZAL 61.27 ZAP 16.09 ETS 190.42 ZAE 153.93 ETE 155.48 ZAC 123.08 ETC 20.33 CLP 15.89

PLANETOCENTRIC CONIC

C3 79.841 VML 8.935 DLA -2.56 RAL 169.62 RAD 6569.6 VEL 14.184 PTH 2.58 VHP 16.999 DPA 20.07 RAP 144.48 ECC 2.3140
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 34 12 2475.74 -24.93 58.73 53.99 103.88 8 15 28 1875.7 -22.78 50.72
 90.00 18 54 18 5278.37 27.05 238.80 56.26 81.30 20 22 16 4678.4 25.57 230.45
 100.00 8 54 21 2217.19 -26.35 39.31 53.58 104.65 9 31 18 1617.2 -24.08 31.25
 100.00 20 16 50 5012.15 28.50 218.96 56.00 80.58 21 40 22 4412.1 26.91 210.52
 110.00 9 59 52 2012.11 -30.20 22.52 52.35 106.84 10 33 24 1412.1 -27.60 14.29
 110.00 21 27 48 4789.99 32.43 201.26 55.16 78.55 22 47 38 4190.0 30.51 192.56

DIFFERENTIAL CORRECTIONS

TOE .7021 TRA-1.6839 TC3 -.1413 BAU .1613
 ROE -.6306 RRA -.3707 RC3 .0536 FAU .01591
 FDE -.4888 FRA .8297 FC3 -.1725 BSP 3522
 BDE .9437 BRA 1.7242 BC3 .1511 FSP -142

MID-COURSE EXECUTION ACCURACY

SGT 1197.7 SGR 478.8 SG3 59.7
 RRT .0888 RRF -.0892 RTF -.7724
 SGB 1289.9 R23 -.0078 R13 -.7727
 SGI 1198.6 SG2 476.6 TMA 2.41

ORBIT DETERMINATION ACCURACY

ST 554.9 SR 410.6 SS 516.9
 CRT -.6975 CRS -.7979 CST .9876
 LSA 822.9 MSA 257.4 SSA 15.6
 ELI 641.7 EL2 254.4 ALF 146.83

LAUNCH DATE MAY 14 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 197.522

RL 151.19 LAL -.00 LOL 232.53 VL 22.603 GAL 11.59 AZL 92.74 MCA 75.00 SMA 106.62 ECC .45614 INC 2.7370 V1 29.470
 RP 108.94 LAP -2.64 LOP 307.52 VP 34.521 GAP -27.11 ATP 90.71 TAL 165.45 TAP 240.45 RCA 57.99 APO 155.25 V2 34.784
 RC 49.723 GL -7.13 GP 2.68 ZAL 60.73 ZAP 14.72 ETS 191.68 ZAE 155.40 ETE 152.29 ZAC 121.39 ETC 19.87 CLP 14.48

PLANETOCENTRIC CONIC

C3 72.485 VML 8.514 DLA -3.40 RAL 169.88 RAD 6569.4 VEL 13.922 PTH 2.54 VHP 16.281 DPA 19.65 RAP 146.29 ECC 2.1929
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 41 34 2427.09 -24.09 55.41 52.31 105.34 8 22 1 1827.1 -21.75 47.52
 90.00 18 49 4 5282.19 27.09 239.07 55.24 81.43 20 17 7 4682.2 25.63 230.71
 100.00 9 1 19 2169.82 -25.50 36.05 51.87 106.16 9 37 29 1569.8 -23.03 28.12
 100.00 20 12 0 5014.69 28.53 219.15 54.98 80.68 21 35 35 4414.7 26.95 210.70
 110.00 10 5 55 1967.59 -29.28 19.38 50.54 108.49 10 38 42 1367.6 -26.47 11.32
 110.00 21 23 54 4789.68 32.43 201.23 54.15 78.54 22 43 43 4189.7 30.51 192.54

DIFFERENTIAL CORRECTIONS

TOE .7052 TRA-1.6765 TC3 -.1392 BAU .1472
 ROE -.5952 RRA -.3545 RC3 .0607 FAU .01639
 FDE -.5129 FRA .8545 FC3 -.1958 BSP 3723
 BDE .9228 BRA 1.7155 BC3 .1519 FSP -157

MID-COURSE EXECUTION ACCURACY

SGT 1248.5 SGR 477.8 SG3 64.8
 RRT .0930 RRF -.0946 RTF -.7862
 SGB 1336.8 R23 -.0091 R13 -.7864
 SGI 1249.4 SG2 475.4 TMA 2.38

ORBIT DETERMINATION ACCURACY

ST 593.3 SR 406.9 SS 543.2
 CRT -.6985 CRS -.8008 CST .9871
 LSA 856.9 MSA 257.7 SSA 15.8
 ELI 663.6 EL2 256.0 ALF 148.89

LAUNCH DATE MAY 14 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 204.032

RL 151.19 LAL -.00 LOL 232.53 VL 22.962 GAL 11.06 AZL 92.82 MCA 78.16 SMA 108.04 ECC .43637 INC 2.8170 V1 29.470
 RP 108.94 LAP -2.76 LOP 310.68 VP 34.757 GAP -25.87 ATP 90.58 TAL 164.98 TAP 243.14 RCA 60.90 APO 155.19 V2 34.784
 RC 48.377 GL -7.84 GP 2.82 ZAL 60.27 ZAP 13.36 ETS 193.26 ZAE 156.93 ETE 148.50 ZAC 119.69 ETC 19.45 CLP 13.07

PLANETOCENTRIC CONIC

C3 65.850 VML 8.115 DLA -4.26 RAL 170.07 RAD 6569.3 VEL 13.682 PTH 2.50 VHP 15.588 DPA 19.23 RAP 148.09 ECC 2.0837
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 48 44 2377.63 -23.16 52.08 50.57 106.76 8 28 22 1777.6 -20.65 44.31
 90.00 18 43 25 5286.14 27.13 239.36 54.12 81.56 20 11 31 4686.1 25.68 230.99
 100.00 9 8 5 2121.67 -24.54 32.79 50.11 107.62 9 43 27 1521.7 -21.90 24.99
 100.00 20 6 46 5017.33 28.56 219.34 53.87 80.77 21 30 23 4417.3 26.99 210.89
 110.00 10 11 45 1922.35 -28.26 16.25 48.69 110.08 10 43 47 1322.4 -25.26 8.36
 110.00 21 19 35 4789.41 32.42 201.21 53.05 78.53 22 39 24 4189.4 30.50 192.52

DIFFERENTIAL CORRECTIONS

TOE .7058 TRA-1.6701 TC3 -.1366 BAU .1346
 ROE -.5606 RRA -.3386 RC3 .0686 FAU .01690
 FDE -.5383 FRA .8805 FC3 -.2222 BSP 3865
 BDE .9014 BRA 1.7041 BC3 .1529 FSP -172

MID-COURSE EXECUTION ACCURACY

SGT 1302.2 SGR 476.0 SG3 70.4
 RRT .0992 RRF -.1011 RTF -.7983
 SGB 1386.5 R23 -.0098 R13 -.7986
 SGI 1303.2 SG2 473.3 TMA 2.39

ORBIT DETERMINATION ACCURACY

ST 611.8 SR 402.3 SS 570.7
 CRT -.6979 CRS -.8034 CST .9864
 LSA 891.7 MSA 257.8 SSA 15.9
 ELI 685.6 EL2 257.1 ALF 150.86

LAUNCH DATE MAY 14 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 210.581

RL 151.19 LAL -.00 LOL 232.53 VL 23.297 GAL 10.54 AZL 92.90 MCA 81.32 SMA 109.42 ECC .41747 INC 2.8952 VI 29.470
 RP 108.94 LAP -2.86 LOP 313.84 VP 34.979 GAP -24.67 AZP 90.44 TAL 164.55 TAP 245.87 RCA 63.74 APO 155.10 V2 34.784
 RC 47.155 GL -8.60 GP 2.96 ZAL 59.89 ZAP 12.01 ETS 195.28 ZAE 158.47 ETE 143.96 ZAC 117.99 ETC 19.04 CLP 11.65

PLANETOCENTRIC CONIC

C3 59.870 VHL 7.758 DLA -5.13 RAL 170.19 RAD 6569.1 VEL 13.462 PTH 2.46 VHP 14.917 DPA 18.81 RAP 149.88 ECC 1.9853
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 55 44 2327.38 -22.14 48.76 48.79 108.12 8 34 32 1727.4 -19.45 41.11
 90.00 18 37 19 3290.39 27.17 239.66 52.91 81.71 20 5 29 4690.4 25.75 231.28
 100.00 9 14 40 2072.77 -23.90 29.54 48.30 109.03 9 49 13 1472.8 -20.68 21.87
 100.00 20 1 4 5020.23 28.59 219.55 52.66 80.88 21 24 44 4420.2 27.03 211.09
 110.00 10 17 23 1876.45 -27.15 13.14 46.80 111.62 10 48 39 1276.4 -23.97 5.42
 110.00 21 14 51 4789.32 32.42 201.21 51.86 78.52 22 34 40 4189.3 30.50 192.52

DIFFERENTIAL CORRECTIONS

TOE .7092 TRA-1.6597 TC3 -.1304 BAU .1213
 ROE -.5267 RRA -.3230 RC3 .0773 FAU .01749
 FDE -.5661 FRA .9069 FC3 -.2529 BSP 4067
 BDE .8834 BRA 1.6908 BC3 .1516 FSP -189

MID-COURSE EXECUTION ACCURACY

SGT 1356.1 SGR 473.4 SG3 76.5
 RRT .1049 RRF -.1080 RTF -.8107
 SGB 1436.4 R23 -.0114 R13 -.8110
 SG1 1357.1 SG2 470.4 TMA 2.38

ORBIT DETERMINATION ACCURACY

ST 642.5 SR 396.6 SS 600.1
 CRT -.6991 CRS -.8062 CST .9859
 LSA 929.6 MSA 256.7 SSA 16.1
 EL1 710.2 EL2 256.6 ALF 152.82

LAUNCH DATE MAY 14 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 217.165

RL 151.19 LAL -.00 LOL 232.53 VL 23.610 GAL 10.04 AZL 92.97 MCA 84.48 SMA 110.76 ECC .39945 INC 2.9722 VI 29.470
 RP 108.94 LAP -2.96 LOP 317.01 VP 35.190 GAP -23.53 AZP 90.29 TAL 164.16 TAP 248.64 RCA 66.52 APO 155.01 V2 34.785
 RC 46.068 GL -9.40 GP 3.12 ZAL 59.59 ZAP 10.69 ETS 197.90 ZAE 159.97 ETE 138.50 ZAC 116.28 ETC 18.66 CLP 10.23

PLANETOCENTRIC CONIC

C3 54.484 VHL 7.381 DLA -6.01 RAL 170.22 RAD 6569.0 VEL 13.261 PTH 2.42 VHP 14.269 DPA 18.38 RAP 151.67 ECC 1.8967
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 2 36 2276.38 -21.02 45.43 46.98 109.42 8 40 32 1676.4 -18.18 37.91
 90.00 18 30 42 5295.15 27.22 240.00 51.61 81.88 19 58 57 4695.2 25.81 231.61
 100.00 9 21 5 2023.17 -22.36 26.29 46.46 110.38 9 54 48 1423.2 -19.38 18.76
 100.00 19 54 55 5023.59 28.63 219.79 51.37 81.00 21 18 38 4423.6 27.09 211.32
 110.00 10 22 48 1829.93 -25.94 10.06 44.89 113.08 10 53 18 1229.9 -22.59 2.51
 110.00 21 9 40 4789.59 32.43 201.23 50.58 78.53 22 29 30 4189.6 30.51 192.54

DIFFERENTIAL CORRECTIONS

TOE .7130 TRA-1.6476 TC3 -.1213 BAU .1087
 ROE -.4935 RRA -.3078 RC3 .0869 FAU .01814
 FDE -.5963 FRA .9340 FC3 -.2882 BSP 4270
 BDE .8671 BRA 1.6761 BC3 .1493 FSP -208

MID-COURSE EXECUTION ACCURACY

SGT 1411.4 SGR 470.8 SG3 83.2
 RRT .1114 RRF -.1158 RTF -.8224
 SGB 1487.6 R23 -.0131 R13 -.8227
 SG1 1412.5 SG2 466.8 TMA 2.38

ORBIT DETERMINATION ACCURACY

ST 674.7 SR 389.8 SS 631.3
 CRT -.7005 CRS -.8090 CST .9855
 LSA 969.8 MSA 254.9 SSA 16.2
 EL1 736.3 EL2 254.9 ALF 154.72

LAUNCH DATE MAY 14 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 223.780

RL 151.19 LAL -.00 LOL 232.53 VL 23.902 GAL 9.56 AZL 93.05 MCA 87.64 SMA 112.06 ECC .38229 INC 3.0483 VI 29.470
 RP 108.93 LAP -3.05 LOP 320.17 VP 35.388 GAP -22.42 AZP 90.13 TAL 163.80 TAP 251.45 RCA 69.22 APO 154.90 V2 34.787
 RC 45.125 GL -10.25 GP 3.30 ZAL 59.36 ZAP 9.39 ETS 201.39 ZAE 161.37 ETE 131.94 ZAC 114.58 ETC 18.30 CLP 8.80

PLANETOCENTRIC CONIC

C3 49.637 VHL 7.045 DLA -6.92 RAL 170.17 RAD 6568.8 VEL 13.077 PTH 2.39 VHP 13.643 DPA 17.97 RAP 153.45 ECC 1.8169
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 9 19 2224.64 -19.81 42.12 45.13 110.66 8 46 24 1624.6 -16.82 34.72
 90.00 18 23 35 5300.63 27.27 240.39 50.24 82.07 19 51 55 4700.6 25.89 232.00
 100.00 9 27 22 1972.89 -21.13 23.06 44.59 111.65 10 0 15 1372.9 -18.00 15.66
 100.00 19 48 13 5027.62 28.67 220.08 50.01 81.15 21 12 1 4427.6 27.15 211.61
 110.00 10 28 3 1782.86 -24.65 7.02 42.96 114.47 10 57 46 1182.9 -21.14 359.63
 110.00 21 4 1 4790.41 32.44 201.29 49.23 78.57 22 23 52 4190.4 30.52 192.60

DIFFERENTIAL CORRECTIONS

TOE .7174 TRA-1.6336 TC3 -.1093 BAU .0972
 ROE -.4611 RRA -.2930 RC3 .0975 FAU .01886
 FDE -.6291 FRA .9622 FC3 -.3289 BSP 4477
 BDE .8528 BRA 1.6597 BC3 .1464 FSP -230

MID-COURSE EXECUTION ACCURACY

SGT 1468.0 SGR 465.9 SG3 90.5
 RRT .1189 RRF -.1250 RTF -.8335
 SGB 1540.2 R23 -.0151 R13 -.8337
 SG1 1469.1 SG2 462.3 TMA 2.40

ORBIT DETERMINATION ACCURACY

ST 708.2 SR 381.9 SS 664.6
 CRT -.7021 CRS -.8118 CST .9851
 LSA 1012.5 MSA 252.4 SSA 16.3
 EL1 764.1 EL2 252.0 ALF 156.57

LAUNCH DATE MAY 14 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 230.422

RL 151.19 LAL -.00 LOL 232.53 VL 24.175 GAL 9.10 AZL 93.12 MCA 90.80 SMA 113.31 ECC .36599 INC 3.1240 VI 29.470
 RP 108.93 LAP -3.12 LOP 323.34 VP 35.575 GAP -21.36 AZP 89.96 TAL 163.49 TAP 254.30 RCA 71.84 APO 154.79 V2 34.790
 RC 44.335 GL -11.15 GP 3.49 ZAL 59.22 ZAP 8.14 ETS 206.16 ZAE 162.57 ETE 124.14 ZAC 112.88 ETC 17.96 CLP 7.36

PLANETOCENTRIC CONIC

C3 45.281 VHL 6.729 DLA -7.84 RAL 170.03 RAD 6568.7 VEL 12.909 PTH 2.35 VHP 13.038 DPA 17.55 RAP 155.21 ECC 1.7452
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 15 56 2172.21 -18.52 38.82 43.27 111.81 8 52 9 1572.2 -15.40 31.53
 90.00 18 15 53 5307.05 27.33 240.85 48.80 82.29 19 44 20 4707.1 25.98 232.45
 100.00 9 33 30 1921.98 -19.82 19.85 42.70 112.85 10 5 32 1322.0 -16.55 12.58
 100.00 19 41 0 5032.52 28.72 220.44 48.58 81.33 21 4 53 4432.5 27.22 211.95
 110.00 10 33 8 1735.29 -23.28 4.01 41.03 115.77 11 2 3 1135.3 -19.62 356.78
 110.00 20 57 52 4791.97 32.46 201.41 47.81 78.64 22 17 44 4192.0 30.55 192.71

DIFFERENTIAL CORRECTIONS

TOE .7225 TRA-1.6176 TC3 -.0934 BAU .0869
 ROE -.4294 RRA -.2788 RC3 .1090 FAU .01966
 FDE -.6652 FRA .9913 FC3 -.3758 BSP 4688
 BDE .8405 BRA 1.6414 BC3 .1435 FSP -253

MID-COURSE EXECUTION ACCURACY

SGT 1525.5 SGR 461.1 SG3 98.6
 RRT .1277 RRF -.1355 RTF -.8440
 SGB 1593.7 R23 -.0172 R13 -.8443
 SG1 1526.8 SG2 456.9 TMA 2.43

ORBIT DETERMINATION ACCURACY

ST 743.3 SR 372.6 SS 700.2
 CRT -.7039 CRS -.8144 CST .9848
 LSA 1057.9 MSA 249.1 SSA 16.4
 EL1 793.6 EL2 247.9 ALF 158.34

LAUNCH DATE MAY 14 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 237.085

RL 151.19 LAL -.00 LOL 232.53 VL 24.428 GAL 8.66 AZL 93.20 MCA 93.97 SMA 114.52 ECC .35052 INC 3.1999 V1 29.470
 RP 108.92 LAP -3.19 LOP 326.50 VP 35.751 GAP -20.33 AZP 89.78 TAL 163.22 TAP 257.19 RCA 74.38 APO 154.66 V2 34.793
 RC 43.707 GL -12.10 GP 3.71 ZAL 59.16 ZAP 6.97 ETS 212.81 ZAE 163.48 ETE 115.10 ZAC 111.18 ETC 17.63 CLP 5.91

PLANETOCENTRIC CONIC

C3 41.370 VHL 6.432 DLA -8.78 RAL 169.81 RAD 6568.6 VEL 12.157 PTH 2.32 VHP 12.453 OPA 17.16 RAP 156.97 ECC 1.6808
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 22 28 2119.11 -17.14 35.53 41.40 112.89 8 57 48 1519.1 -13.90 28.55
 90.00 18 7 36 5314.65 27.40 241.40 47.30 82.56 19 36 11 4714.7 26.08 232.98
 100.00 9 39 33 1870.48 -18.42 16.66 40.81 113.96 10 10 43 1270.5 -15.03 9.51
 100.00 19 33 13 5038.52 28.78 220.87 47.08 81.55 20 57 12 4438.5 27.31 212.38
 110.00 10 38 3 1687.29 -21.82 1.04 39.09 116.99 11 6 10 1087.3 -18.03 353.96
 110.00 20 51 12 4794.48 32.49 201.59 46.33 78.74 22 11 7 4194.5 30.60 192.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7284 TRA-1.5998 TC3 -.0736 BAU .0786 SGT 1584.0 SGR 455.6 SG3 107.5 ST 779.8 SR 362.1 SS 738.2
 RDE -.3984 RRA -.2653 RC3 .1215 FAU .02054 RRT .1383 RRF -.1480 RTF -.8539 CRT -.7056 CRS -.8167 CST .9846
 FDE -.7048 FRA 1.0218 FC3 -.4298 BSP 4906 SGB 1648.3 R23 -.0197 R13 -.8543 LSA 1106.2 MSA 245.2 SSA 16.5
 BDE .8302 BRA 1.6216 BC3 .1421 FSP -279 SG1 1585.4 SG2 450.8 THA 2.48 EL1 824.8 EL2 242.6 ALF 160.06

LAUNCH DATE MAY 14 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 243.768

RL 151.19 LAL -.00 LOL 232.53 VL 24.665 GAL 8.24 AZL 93.28 MCA 97.13 SMA 115.68 ECC .33588 INC 3.2764 V1 29.470
 RP 108.90 LAP -3.25 LOP 329.67 VP 35.917 GAP -19.35 AZP 89.59 TAL 162.99 TAP 260.12 RCA 76.82 APO 154.53 V2 34.797
 RC 43.245 GL -13.10 GP 3.95 ZAL 59.18 ZAP 5.94 ETS 222.27 ZAE 163.98 ETE 105.07 ZAC 109.49 ETC 17.33 CLP 4.44

PLANETOCENTRIC CONIC

C3 37.864 VHL 6.153 DLA -9.75 RAL 169.51 RAD 6568.5 VEL 12.619 PTH 2.29 VHP 11.887 OPA 16.77 RAP 158.71 ECC 1.6231
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 28 57 2065.36 -15.69 32.25 39.52 113.88 9 3 23 1465.4 -12.33 25.18
 90.00 17 58 41 5323.68 27.48 242.05 45.75 82.87 19 27 24 4723.7 26.20 233.61
 100.00 9 45 30 1818.42 -16.95 13.49 38.92 114.99 10 15 48 1218.4 -13.45 6.46
 100.00 19 24 49 5045.85 28.85 221.41 45.54 81.82 20 48 55 4445.8 27.42 212.89
 110.00 10 42 50 1638.90 -20.30 358.11 37.16 118.11 11 10 9 1038.9 -16.38 351.18
 110.00 20 43 59 4798.13 32.54 201.87 44.81 78.90 22 3 57 4198.1 30.67 193.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7352 TRA-1.5801 TC3 -.0496 BAU .0729 SGT 1643.4 SGR 449.4 SG3 117.3 ST 818.1 SR 350.1 SS 779.2
 RDE -.3680 RRA -.2525 RC3 .1352 FAU .02151 RRT .1508 RRF -.1627 RTF -.8633 CRT -.7072 CRS -.8187 CST .9845
 FDE -.7487 FRA 1.0536 FC3 -.4919 BSP 5113 SGB 1703.8 R23 -.0225 R13 -.8636 LSA 1157.9 MSA 240.7 SSA 16.6
 BDE .8222 BRA 1.6001 BC3 .1440 FSP -307 SG1 1644.9 SG2 443.9 THA 2.55 EL1 858.0 EL2 236.0 ALF 161.73

LAUNCH DATE MAY 14 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 250.465

RL 151.19 LAL -.00 LOL 232.53 VL 24.885 GAL 7.83 AZL 93.35 MCA 100.29 SMA 116.79 ECC .32204 INC 3.3540 V1 29.470
 RP 108.89 LAP -3.30 LOP 332.84 VP 36.072 GAP -18.40 AZP 89.40 TAL 162.81 TAP 263.10 RCA 79.18 APO 154.40 V2 34.801
 RC 42.956 GL -14.17 GP 4.21 ZAL 59.29 ZAP 5.14 ETS 235.58 ZAE 164.01 ETE 94.58 ZAC 107.82 ETC 17.04 CLP 2.95

PLANETOCENTRIC CONIC

C3 34.728 VHL 5.893 DLA -10.74 RAL 169.11 RAD 6568.4 VEL 12.494 PTH 2.26 VHP 11.342 OPA 16.41 RAP 160.43 ECC 1.5715
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 35 25 2010.96 -14.16 28.98 37.65 114.78 9 8 56 1411.0 -10.71 22.01
 90.00 17 49 4 5334.38 27.57 242.82 44.16 83.25 19 17 58 4734.4 26.34 234.37
 100.00 9 51 24 1765.83 -15.41 10.35 37.03 115.93 10 20 50 1165.8 -11.80 3.42
 100.00 19 15 46 5054.75 28.94 222.05 43.96 82.16 20 40 1 4454.7 27.55 213.52
 110.00 10 47 29 1590.20 -18.71 355.23 35.24 119.14 11 13 59 990.2 -14.68 348.42
 110.00 20 36 11 4803.14 32.60 202.24 43.26 79.11 21 56 14 4203.1 30.76 193.51

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7429 TRA-1.5585 TC3 -.0208 BAU .0703 SGT 1703.3 SGR 442.7 SG3 128.1 ST 857.8 SR 336.5 SS 823.2
 RDE -.3382 RRA -.2405 RC3 .1499 FAU .02260 RRT .1661 RRF -.1803 RTF -.8721 CRT -.7083 CRS -.8200 CST .9844
 FDE -.7975 FRA 1.0869 FC3 -.5634 BSP 5328 SGB 1759.9 R23 -.0257 R13 -.8724 LSA 1212.8 MSA 235.7 SSA 16.6
 BDE .8163 BRA 1.5770 BC3 .1514 FSP -339 SG1 1705.0 SG2 436.1 THA 2.65 EL1 892.7 EL2 228.2 ALF 163.35

LAUNCH DATE MAY 14 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 257.175

RL 151.19 LAL -.00 LOL 232.53 VL 25.089 GAL 7.44 AZL 93.43 MCA 103.45 SMA 117.85 ECC .30899 INC 3.4331 V1 29.470
 RP 108.87 LAP -3.34 LOP 336.01 VP 36.219 GAP -17.48 AZP 89.20 TAL 162.66 TAP 266.12 RCA 81.43 APO 154.26 V2 34.806
 RC 42.841 GL -15.29 GP 4.51 ZAL 59.49 ZAP 4.74 ETS 252.86 ZAE 163.54 ETE 84.34 ZAC 106.15 ETC 16.76 CLP 1.44

PLANETOCENTRIC CONIC

C3 31.927 VHL 5.650 DLA -11.75 RAL 168.63 RAD 6568.3 VEL 12.381 PTH 2.24 VHP 10.815 OPA 16.08 RAP 162.14 ECC 1.5254
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 41 55 1955.92 -12.57 25.73 35.79 115.58 9 14 30 1355.9 -9.02 18.84
 90.00 17 38 44 5347.03 27.66 243.73 42.53 83.70 19 7 51 4747.0 26.50 235.26
 100.00 9 57 17 1712.73 -13.81 7.22 35.16 116.78 10 25 50 1112.7 -10.11 .39
 100.00 19 6 2 5065.46 29.03 222.83 42.35 82.56 20 30 28 4465.5 27.70 214.29
 110.00 10 52 3 1541.23 -17.06 352.30 33.34 120.08 11 17 44 941.2 -12.94 345.70
 110.00 20 27 46 4809.72 32.69 202.74 41.67 79.39 21 47 56 4209.7 30.88 193.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7523 TRA-1.5351 TC3 .0128 BAU .0710 SGT 1763.5 SGR 435.6 SG3 140.1 ST 899.6 SR 321.3 SS 870.8
 RDE -.3089 RRA -.2294 RC3 .1659 FAU .02380 RRT .1844 RRF -.0214 RTF -.8803 CRT -.7090 CRS -.8205 CST .9844
 FDE -.8522 FRA 1.1218 FC3 -.6454 BSP 5546 SGB 1816.5 R23 -.0294 R13 -.8807 LSA 1271.9 MSA 230.1 SSA 16.6
 BDE .8132 BRA 1.5521 BC3 .1664 FSP -375 SG1 1765.4 SG2 427.6 THA 2.77 EL1 929.8 EL2 219.2 ALF 164.94

LAUNCH DATE MAY 14 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 263.892

RL 151.19 LAL -.00 LOL 232.53 VL 25.279 GAL 7.07 AZL 93.51 MCA 106.62 SMA 118.86 ECC .29671 INC 3.5144 V1 29.470
 RP 108.86 LAP -3.37 LOP 339.18 VP 36.356 GAP -16.59 AZP 88.99 TAL 162.56 TAP 269.18 RCA 83.59 APO 154.12 V2 34.812
 RC 42.900 GL -16.47 GP 4.85 ZAL 59.77 ZAP 4.85 ETS 271.71 ZAE 162.63 ETE 75.00 ZAC 104.51 ETC 16.50 CLP -.11

PLANETOCENTRIC CONIC

C3 29.433 VML 5.425 DLA -12.80 RAL 168.06 RAD 6568.2 VEL 12.280 PTH 2.21 VMP 10.306 DPA 15.78 RAP 163.83 ECC 1.4844
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 48 28 1900.21 -10.91 22.48 33.95 116.29 9 20 8 1300.2 -7.29 15.67
 90.00 17 27 37 5361.91 27.77 244.81 40.88 84.23 18 56 59 4761.9 26.68 236.31
 100.00 10 3 12 1659.10 -12.14 4.11 33.31 117.53 10 30 51 1059.1 -8.36 357.37
 100.00 18 55 34 5078.25 29.14 223.77 40.71 83.04 20 20 13 4478.2 27.87 215.20
 110.00 10 56 33 1492.03 -15.36 349.58 31.46 120.92 11 21 25 892.0 -11.15 343.01
 110.00 20 18 43 4818.08 32.79 203.37 40.07 79.75 21 39 1 4218.1 31.03 194.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7624 TRA-1.5101 TC3 .0495 BAU .0747 SGT 1823.7 SGR 428.2 SG3 153.3 ST 942.9 SR 304.2 SS 922.3
 RDE -.2799 RRA -.2194 RC3 .1832 FAU .02513 RRT .2064 RRF -.2268 RTF -.8876 CRT -.7080 CRS -.8196 CST .9845
 FDE -.9134 FRA 1.1589 FC3 -.7391 BSP 5733 SGB 1873.3 R23 -.0342 R13 -.8881 LSA 1334.8 MSA 224.3 SSA 16.6
 BDE .8122 BRA 1.5260 BC3 .1897 FSP -414 SGI 1825.9 SG2 418.5 TMA 2.93 EL1 968.4 EL2 209.1 ALF 166.49

LAUNCH DATE MAY 14 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 270.615

RL 151.19 LAL -.00 LOL 232.53 VL 25.455 GAL 6.72 AZL 93.60 MCA 109.79 SMA 119.81 ECC .28516 INC 3.5985 V1 29.470
 RP 108.84 LAP -3.39 LOP 342.35 VP 36.485 GAP -15.73 AZP 88.78 TAL 162.50 TAP 272.28 RCA 85.65 APO 153.98 V2 34.819
 RC 43.133 GL -17.71 GP 5.23 ZAL 60.14 ZAP 5.49 ETS 288.26 ZAE 161.36 ETE 66.92 ZAC 102.88 ETC 16.25 CLP -1.69

PLANETOCENTRIC CONIC

C3 27.219 VML 5.217 DLA -13.87 RAL 167.40 RAD 6568.1 VEL 12.190 PTH 2.19 VMP 9.816 DPA 15.53 RAP 165.49 ECC 1.4480
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 55 10 1843.76 -9.19 19.22 32.14 116.90 9 25 53 1243.8 -5.51 12.48
 90.00 17 15 40 5379.32 27.88 246.07 39.22 84.85 18 45 19 4779.3 26.88 237.55
 100.00 10 9 11 1604.93 -10.42 1.02 31.49 118.18 10 35 56 1004.9 -6.57 354.34
 100.00 18 44 19 5093.37 29.26 224.88 39.06 83.61 20 9 13 4493.4 28.07 216.28
 110.00 11 1 0 1442.64 -13.62 346.82 29.61 121.66 11 25 3 842.6 -9.33 340.35
 110.00 20 9 0 4828.44 32.91 204.15 38.46 80.20 21 29 28 4228.4 31.21 195.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7750 TRA-1.4821 TC3 .0966 BAU .0814 SGT 1882.9 SGR 420.8 SG3 168.0 ST 988.7 SR 285.0 SS 978.2
 RDE -.2512 RRA -.2104 RC3 .2017 FAU .02661 RRT .2340 RRF -.2574 RTF -.8957 CRT -.7058 CRS -.8167 CST .9848
 FDE -.9826 FRA 1.1978 FC3 -.8465 BSP 5973 SGB 1929.3 R23 -.0386 R13 -.8962 LSA 1402.8 MSA 217.9 SSA 16.5
 BDE .8147 BRA 1.4969 BC3 .2236 FSP -458 SGI 1885.6 SG2 408.5 TMA 3.14 EL1 1009.8 EL2 197.7 ALF 168.03

LAUNCH DATE MAY 14 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 277.341

RL 151.19 LAL -.00 LOL 232.53 VL 25.618 GAL 6.38 AZL 93.69 MCA 112.95 SMA 120.72 ECC .27434 INC 3.6860 V1 29.470
 RP 108.81 LAP -3.39 LOP 345.53 VP 36.606 GAP -14.91 AZP 88.56 TAL 162.47 TAP 275.43 RCA 87.60 APO 153.84 V2 34.826
 RC 43.534 GL -19.01 GP 5.65 ZAL 60.60 ZAP 6.55 ETS 300.63 ZAE 159.83 ETE 60.18 ZAC 101.28 ETC 16.01 CLP -3.31

PLANETOCENTRIC CONIC

C3 25.260 VML 5.026 DLA -14.97 RAL 166.65 RAD 6568.0 VEL 12.109 PTH 2.17 VMP 9.343 DPA 15.33 RAP 167.14 ECC 1.4157
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 2 3 1786.50 -7.41 15.96 30.36 117.41 9 31 50 1186.5 -3.68 9.26
 90.00 17 2 48 5399.58 28.00 247.54 37.55 85.58 18 32 47 4799.6 27.09 238.99
 100.00 10 15 18 1550.19 -8.64 357.92 29.70 118.73 10 41 8 950.2 -4.74 351.30
 100.00 18 32 14 5111.12 29.39 226.18 37.41 84.28 19 57 26 4511.1 28.29 217.55
 110.00 11 5 27 1393.07 -11.83 344.10 27.79 122.31 11 28 41 793.1 -7.48 337.70
 110.00 19 58 34 4841.01 33.06 205.11 36.85 80.75 21 19 15 4241.0 31.43 196.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7888 TRA-1.4534 TC3 .1460 BAU .0896 SGT 1942.1 SGR 413.7 SG3 184.3 ST 1036.1 SR 263.7 SS 1038.9
 RDE -.2225 RRA -.2027 RC3 .2216 FAU .02826 RRT .2673 RRF -.2945 RTF -.9026 CRT -.6997 CRS -.8107 CST .9851
 FDE -1.0609 FRA 1.2392 FC3 -.9685 BSP 6184 SGB 1985.7 R23 -.0442 R13 -.9032 LSA 1475.5 MSA 211.5 SSA 16.4
 BDE .8196 BRA 1.4675 BC3 .2654 FSP -506 SGI 1945.4 SG2 398.0 TMA 3.40 EL1 1052.9 EL2 185.4 ALF 169.58

LAUNCH DATE MAY 14 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 284.067

RL 151.19 LAL -.00 LOL 232.53 VL 25.769 GAL 6.07 AZL 93.78 MCA 116.12 SMA 121.58 ECC .26421 INC 3.7778 V1 29.470
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.719 GAP -14.11 AZP 88.33 TAL 162.49 TAP 278.61 RCA 89.46 APO 153.70 V2 34.834
 RC 44.099 GL -20.37 GP 6.14 ZAL 61.13 ZAP 7.89 ETS 309.28 ZAE 158.15 ETE 54.71 ZAC 99.71 ETC 15.77 CLP -4.97

PLANETOCENTRIC CONIC

C3 23.535 VML 4.851 DLA -16.10 RAL 165.82 RAD 6568.0 VEL 12.038 PTH 2.15 VMP 8.888 DPA 15.19 RAP 168.77 ECC 1.3873
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 9 15 1728.27 -5.57 12.67 28.63 117.81 9 38 3 1128.3 -1.81 6.01
 90.00 16 48 57 5423.07 28.11 249.25 35.89 86.43 18 19 20 4823.1 27.32 240.67
 100.00 10 21 37 1494.76 -6.82 354.82 27.95 119.18 10 46 32 894.8 -2.88 348.25
 100.00 18 19 16 5131.82 29.52 227.71 35.77 85.08 19 44 47 4531.8 28.53 219.04
 110.00 11 9 58 1343.32 -10.00 341.40 26.01 122.86 11 32 21 743.3 -5.60 335.07
 110.00 19 47 24 4856.03 33.21 206.25 35.26 81.41 21 8 20 4256.0 31.67 197.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8039 TRA-1.4227 TC3 .1996 BAU .0990 SGT 1999.4 SGR 407.5 SG3 202.3 ST 1084.8 SR 239.8 SS 1104.6
 RDE -.1934 RRA -.1963 RC3 .2431 FAU .03008 RRT .3077 RRF -.3390 RTF -.9089 CRT -.6879 CRS -.7996 CST .9855
 FDE -1.1498 FRA 1.2832 FC3 -1.1065 BSP 6380 SGB 2040.5 R23 -.0509 R13 -.9096 LSA 1553.1 MSA 205.2 SSA 16.2
 BDE .8269 BRA 1.4362 BC3 .3145 FSP -561 SGI 2003.5 SG2 386.9 TMA 3.73 EL1 1097.6 EL2 172.0 ALF 171.14

LAUNCH DATE MAY 14 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 290.791

RL 151.19 LAL -.00 LOL 232.53 VL 25.909 GAL 5.76 AZL 93.87 MCA 119.29 SMA 122.39 ECC .25476 INC 3.8747 V1 29.470
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.825 GAP -13.33 AZP 88.10 TAL 162.54 TAP 281.83 RCA 91.21 APO 153.57 V2 34.842
 RC 44.820 GL -21.79 GP 6.69 ZAL 61.75 ZAP 9.45 ETS 315.26 ZAE 156.40 ETE 50.35 ZAC 98.17 ETC 15.55 CLP -6.69

PLANETOCENTRIC CONIC

C3 22.025 VHL 4.693 DLA -17.26 RAL 164.90 RAD 6567.9 VEL 11.975 PTH 2.13 VHP 8.450 OPA 15.12 RAP 170.37 ECC 1.3625
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 16 52 1668.87 -3.68 9.33 26.95 118.10 9 44 40 1068.9 .11 2.70
 90.00 16 34 0 5450.23 28.21 251.23 34.23 87.42 18 4 50 4850.2 27.55 242.63
 100.00 10 28 15 1438.52 -4.94 351.78 26.26 119.52 10 52 13 838.5 -.97 345.16
 100.00 18 5 18 5155.81 29.65 229.48 34.14 86.00 19 31 14 4555.8 28.78 220.78
 110.00 11 14 35 1293.35 -8.15 338.72 24.28 123.31 11 36 8 693.4 -3.71 332.45
 110.00 19 35 27 4873.74 33.39 207.60 33.69 82.19 20 56 41 4273.7 31.95 198.67

DIFFERENTIAL CORRECTIONS

TDE .8240 TRA-1.3879 TC3 .2619 BAU .1100
 RDE -.1637 RRA -.1914 RC3 .2663 FAU .03216
 FDE-1.2530 FRA 1.3288 FC3-1.2643 BSP 6643
 BDE .8401 BRA 1.4010 BC3 .3735 FSP -625

MID-COURSE EXECUTION ACCURACY

SGT 2054.4 SGR 402.8 SG3 222.5
 RRT .3558 RRF -.3918 RTF -.9156
 SGB 2093.5 R23 -.0586 R13 -.9164
 SGI 2059.6 SG2 375.5 TMA 4.13

ORBIT DETERMINATION ACCURACY

ST 1138.2 SR 213.0 SS 1177.5
 CRT -.6679 CRS -.7802 CST .9863
 LSA 1639.5 MSA 198.0 SSA 16.0
 EL1 1147.2 EL2 157.3 ALF 172.74

LAUNCH DATE MAY 14 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 297.511

RL 151.19 LAL -.00 LOL 232.53 VL 26.037 GAL 5.48 AZL 93.98 MCA 122.46 SMA 123.15 ECC .24595 INC 3.9779 V1 29.470
 RP 108.74 LAP -3.36 LOP 355.06 VP 36.924 GAP -12.58 AZP 87.86 TAL 162.63 TAP 285.09 RCA 92.86 APO 153.44 V2 34.851
 RC 45.690 GL -23.27 GP 7.32 ZAL 62.43 ZAP 11.17 ETS 319.41 ZAE 154.65 ETE 46.92 ZAC 96.67 ETC 15.32 CLP -8.46

PLANETOCENTRIC CONIC

C3 20.713 VHL 4.551 DLA -18.45 RAL 163.90 RAD 6567.8 VEL 11.920 PTH 2.12 VHP 8.030 OPA 15.15 RAP 171.94 ECC 1.3409
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 25 2 1607.94 -1.72 5.93 25.34 118.27 9 51 50 1007.9 2.08 359.30
 90.00 16 17 49 5481.59 28.28 253.52 32.60 88.56 17 49 11 4881.6 27.78 244.89
 100.00 10 35 18 1381.24 -3.01 348.54 24.63 119.75 10 58 19 781.2 .97 342.02
 100.00 17 50 15 5183.53 29.76 231.53 32.54 87.07 19 16 39 4583.5 29.04 222.80
 110.00 11 19 23 1243.11 -6.26 336.06 22.61 123.67 11 40 6 643.1 -1.79 329.82
 110.00 19 22 40 4894.42 33.57 209.19 32.15 83.12 20 44 14 4294.4 32.25 200.21

DIFFERENTIAL CORRECTIONS

TDE .8432 TRA-1.3536 TC3 .3234 BAU .1205
 RDE -.1329 RRA -.1881 RC3 .2914 FAU .03442
 FDE-1.3695 FRA 1.3783 FC3-1.4386 BSP 6834
 BDE .8536 BRA 1.3666 BC3 .4353 FSP -693

MID-COURSE EXECUTION ACCURACY

SGT 2107.3 SGR 400.8 SG3 244.9
 RRT .4133 RRF -.4539 RTF -.9212
 SGB 2145.1 R23 -.0675 R13 -.9222
 SGI 2114.0 SG2 363.9 TMA 4.63

ORBIT DETERMINATION ACCURACY

ST 1190.5 SR 183.5 SS 1255.6
 CRT -.6278 CRS -.7439 CST .9869
 LSA 1729.3 MSA 191.9 SSA 15.6
 EL1 1196.2 EL2 142.1 ALF 174.39

LAUNCH DATE MAY 14 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 304.224

RL 151.19 LAL -.00 LOL 232.53 VL 26.156 GAL 5.21 AZL 94.09 MCA 125.63 SMA 123.86 ECC .23777 INC 4.0886 V1 29.470
 RP 108.71 LAP -3.32 LOP 358.23 VP 37.016 GAP -11.85 AZP 87.62 TAL 162.75 TAP 288.38 RCA 94.41 APO 153.31 V2 34.860
 RC 46.700 GL -24.81 GP 8.05 ZAL 63.19 ZAP 13.05 ETS 322.32 ZAE 152.93 ETE 44.30 ZAC 95.20 ETC 15.10 CLP -10.31

PLANETOCENTRIC CONIC

C3 19.586 VHL 4.426 DLA -19.68 RAL 162.81 RAD 6567.8 VEL 11.873 PTH 2.11 VHP 7.627 OPA 15.28 RAP 173.50 ECC 1.3223
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 34 0 1545.03 .32 2.42 23.82 118.32 9 59 45 945.0 4.10 355.78
 90.00 16 0 14 5517.85 28.32 256.17 31.00 89.89 17 32 12 4917.8 28.00 247.52
 100.00 10 42 55 1322.60 -1.02 345.32 23.07 119.88 11 4-58 722.6 2.96 338.80
 100.00 17 34 0 5215.51 29.85 233.91 30.97 88.32 19 0 55 4615.5 29.30 225.14
 110.00 11 24 27 1192.48 -4.34 333.39 21.01 123.94 11 44 19 592.5 .15 327.18
 110.00 19 8 58 4918.39 33.75 211.04 30.67 84.20 20-30 56 4318.4 32.58 202.00

DIFFERENTIAL CORRECTIONS

TDE .8640 TRA-1.3184 TC3 .3854 BAU .1309
 RDE -.1003 RRA -.1869 RC3 .3186 FAU .03690
 FDE-1.5030 FRA 1.4315 FC3-1.6309 BSP 6997
 BDE .8698 BRA 1.3316 BC3 .5001 FSP -768

MID-COURSE EXECUTION ACCURACY

SGT 2157.2 SGR 403.0 SG3 269.7
 RRT .4793 RRF -.5247 RTF -.9262
 SGB 2194.6 R23 -.0782 R13 -.9275
 SGI 2166.1 SG2 352.2 TMA 5.26

ORBIT DETERMINATION ACCURACY

ST 1243.8 SR 151.2 SS 1340.3
 CRT -.5489 CRS -.6723 CST .9875
 LSA 1825.3 MSA 186.3 SSA 15.2
 EL1 1246.6 EL2 126.1 ALF 176.14

LAUNCH DATE MAY 14 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 310.930

RL 151.19 LAL -.00 LOL 232.53 VL 26.265 GAL 4.96 AZL 94.21 MCA 128.81 SMA 124.52 ECC .23020 INC 4.2087 V1 29.470
 RP 108.68 LAP -3.28 LOP 1.42 VP 37.103 GAP -11.15 AZP 87.36 TAL 162.89 TAP 291.70 RCA 95.86 APO 153.19 V2 34.870
 RC 47.841 GL -26.42 GP 8.89 ZAL 64.01 ZAP 15.08 ETS 324.34 ZAE 151.29 ETE 42.38 ZAC 93.79 ETC 14.88 CLP -12.23

PLANETOCENTRIC CONIC

C3 18.633 VHL 4.317 DLA -20.94 RAL 161.66 RAD 6567.8 VEL 11.833 PTH 2.10 VHP 7.242 OPA 15.55 RAP 175.03 ECC 1.3066
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 44 2 1479.34 2.43 358.75 22.40 118.22 10 8 42 879.3 6.19 352.08
 90.00 15 40 58 5559.98 28.28 259.25 29.42 91.44 17 13 38 4960.0 28.18 250.59
 100.00 10 51 21 1262.09 1.03 342.00 21.61 119.88 11 12 23 662.1 5.00 335.46
 100.00 17 16 20 5252.45 29.89 236.65 29.44 89.77 18 43 53 4652.5 29.54 227.86
 110.00 11 29 54 1141.26 -2.39 330.71 19.48 124.11 11 48 56 541.3 2.10 324.51
 110.00 18 54 16 4946.05 33.92 213.18 29.24 85.45 20 16 42 4346.0 32.91 204.09

DIFFERENTIAL CORRECTIONS

TDE .8873 TRA-1.2813 TC3 .4483 BAU .1414
 RDE -.0651 RRA -.1877 RC3 .3485 FAU .03966
 FDE-1.6573 FRA 1.4877 FC3-1.8426 BSP 7162
 BDE .8897 BRA 1.2950 BC3 .5678 FSP -853

MID-COURSE EXECUTION ACCURACY

SGT 2202.9 SGR 411.3 SG3 297.3
 RRT .5523 RRF -.6023 RTF -.9309
 SGB 2241.0 R23 -.0906 R13 -.9325
 SGI 2214.9 SG2 341.0 TMA 6.03

ORBIT DETERMINATION ACCURACY

ST 1298.3 SR 118.2 SS 1432.8
 CRT -.3780 CRS -.5137 CST .9882
 LSA 1928.6 MSA 181.1 SSA 14.7
 EL1 1299.1 EL2 109.3 ALF 178.02

LAUNCH DATE MAY 14 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 317.625

RL 151.19 LAL -1.00 LOL 232.53 VL 26.365 GAL 4.73 AZL 94.34 MCA 131.98 SMA 125.14 ECC .22320 INC 4.3400 V1 29.470
 RP 108.64 LAP -3.22 LOP 4.60 VP 37.183 GAP -10.47 AZP 87.09 TAL 163.06 TAP 295.04 RCA 97.21 APO 153.07 V2 34.881
 RC 49.103 GL -28.08 GP 9.87 ZAL 64.89 ZAP 17.26 ETS 325.72 ZAE 149.73 ETE 41.09 ZAC 92.42 ETC 14.65 CLP -14.24

PLANETOCENTRIC CONIC

C3 17.843 VML 4.224 DLA -22.25 RAL 160.43 RAD 6567.7 VEL 11.799 PTH 2.09 VMP 6.875 DPA 15.97 RAP 176.54 ECC 1.2937
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 55 36 1409.65 4.67 354.85 21.10 117.96 10 19 6 809.7 8.37 348.13
 90.00 15 19 35 5609.42 28.15 262.86 27.88 93.24 16 53 4 5009.4 28.30 254.20
 100.00 11 0 53 1198.95 3.17 338.54 20.27 119.74 11 20 52 599.0 7.10 331.96
 100.00 16 56 59 5295.35 29.86 239.84 27.96 91.44 18 25 14 4695.4 29.74 231.04
 110.00 11 35 54 1089.19 -.40 327.99 18.05 124.18 11 54 3 489.2 4.09 321.78
 110.00 18 38 28 4977.88 34.06 215.66 27.89 86.91 20 1 26 4377.9 33.26 206.51

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9130 TRA-1.2421 TC3 .5092 BAU .1518
 RDE -.0263 RRA -.1910 RC3 .3815 FAU .04269
 FDE -1.8357 FRA 1.5465 FC3-2.0713 BSP 7324
 BDE .9134 BRA 1.2567 BC3 .6362 FSP -949

SGT 2243.2 SGR 428.4 SG3 327.8
 RRT .6286 RRF -.6826 RTF -.9354
 SGB 2283.8 R23 -.1049 R13 -.9374
 SGI 2259.7 SG2 330.8 TMA 7.00

ST 1353.5 SR 91.8 SS 1533.3
 CRT .0145 CRS -.1518 CST .9889
 LSA 2039.7 MSA 176.2 SSA 14.0
 EL1 1353.5 EL2 91.8 ALF .06

LAUNCH DATE MAY 14 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 324.309

RL 151.19 LAL -1.00 LOL 232.53 VL 26.457 GAL 4.51 AZL 94.49 MCA 135.16 SMA 125.72 ECC .21675 INC 4.4852 V1 29.470
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.259 GAP -9.81 AZP 86.82 TAL 163.24 TAP 298.41 RCA 98.47 APO 152.97 V2 34.891
 RC 50.476 GL -29.81 GP 11.02 ZAL 65.83 ZAP 19.62 ETS 326.59 ZAE 148.26 ETE 40.38 ZAC 91.10 ETC 14.42 CLP -16.34

PLANETOCENTRIC CONIC

C3 17.213 VML 4.149 DLA -23.60 RAL 159.13 RAD 6567.7 VEL 11.773 PTH 2.08 VMP 6.526 DPA 16.58 RAP 178.04 ECC 1.2833
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 9 26 1333.87 7.07 350.98 19.98 117.49 10 31 39 733.9 10.70 343.78
 90.00 14 55 23 5668.52 27.84 267.16 26.36 95.37 16 29 51 5068.5 28.30 258.53
 100.00 11 11 59 1131.93 5.42 334.84 19.08 119.44 11 30 51 531.9 9.30 328.20
 100.00 16 35 30 5345.70 29.72 243.58 26.52 93.40 18 4 36 4745.7 29.87 234.77
 110.00 11 42 38 1035.82 1.64 325.21 16.73 124.15 11 59 54 435.8 6.11 318.98
 110.00 18 21 21 5014.57 34.16 218.52 26.61 88.60 19 44 55 4414.6 33.59 209.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9426 TRA-1.1997 TC3 .5698 BAU .1627
 RDE .0178 RRA -.1971 RC3 .4185 FAU .04609
 FDE -2.0433 FRA 1.6064 FC3-2.3179 BSP 7515
 BDE .9427 BRA 1.2158 BC3 .7070 FSP -1058

SGT 2277.4 SGR 457.7 SG3 361.7
 RRT .7034 RRF -.7602 RTF -.9398
 SGB 2322.9 R23 -.1204 R13 -.9424
 SGI 2300.5 SG2 322.0 TMA 8.21

ST 1410.2 SR 93.0 SS 1643.2
 CRT .6130 CRS .4963 CST .9898
 LSA 2160.6 MSA 171.2 SSA 13.3
 EL1 1411.4 EL2 73.4 ALF 2.32

LAUNCH DATE MAY 14 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 330.982

RL 151.19 LAL -1.00 LOL 232.53 VL 26.540 GAL 4.31 AZL 94.65 MCA 138.34 SMA 126.25 ECC .21083 INC 4.6477 V1 29.470
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.329 GAP -9.16 AZP 86.52 TAL 163.45 TAP 301.79 RCA 99.63 APO 152.86 V2 34.903
 RC 51.950 GL -31.61 GP 12.37 ZAL 66.80 ZAP 22.18 ETS 327.08 ZAE 146.87 ETE 40.25 ZAC 89.84 ETC 14.17 CLP -18.55

PLANETOCENTRIC CONIC

C3 16.741 VML 4.092 DLA -24.99 RAL 157.76 RAD 6567.7 VEL 11.753 PTH 2.07 VMP 6.197 DPA 17.41 RAP 179.53 ECC 1.2755
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 26 52 1247.94 9.74 345.67 19.08 116.72 10 47 40 647.9 13.25 338.75
 90.00 14 27 2 5741.64 27.27 272.43 24.83 97.96 16 2 43 5141.6 28.08 263.86
 100.00 11 25 25 1058.88 7.85 330.77 18.07 118.94 11 43 4 458.9 11.65 324.05
 100.00 16 11 9 5405.92 29.39 248.02 25.12 95.72 17 41 15 4805.9 29.87 239.25
 110.00 11 50 25 980.48 3.75 322.32 15.56 124.00 12 6 45 380.5 8.19 316.04
 110.00 18 2 39 5057.09 34.18 221.84 25.43 90.57 19 26 56 4457.1 33.88 212.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9719 TRA-1.1580 TC3 .6175 BAU .1723
 RDE .0689 RRA -.2066 RC3 .4598 FAU .04966
 FDE -2.2812 FRA 1.6696 FC3-2.5683 BSP 7629
 BDE .9744 BRA 1.1763 BC3 .7699 FSP -1173

SGT 2304.0 SGR 502.7 SG3 398.5
 RRT .7704 RRF -.8289 RTF -.9433
 SGB 2358.3 R23 -.1384 R13 -.9468
 SGI 2337.0 SG2 316.0 TMA 9.72

ST 1463.1 SR 136.4 SS 1760.3
 CRT .9163 CRS .8541 CST .9905
 LSA 2286.8 MSA 167.7 SSA 12.4
 EL1 1468.4 EL2 54.4 ALF 4.89

LAUNCH DATE MAY 14 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 337.640

RL 151.19 LAL -1.00 LOL 232.53 VL 26.616 GAL 4.12 AZL 94.83 MCA 141.52 SMA 126.73 ECC .20542 INC 4.8319 V1 29.470
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.394 GAP -8.54 AZP 86.21 TAL 163.66 TAP 305.18 RCA 100.70 APO 152.77 V2 34.914
 RC 53.515 GL -33.48 GP 13.98 ZAL 67.81 ZAP 24.96 ETS 327.23 ZAE 145.53 ETE 40.69 ZAC 88.64 ETC 13.90 CLP -20.89

PLANETOCENTRIC CONIC

C3 16.430 VML 4.053 DLA -26.45 RAL 156.32 RAD 6567.7 VEL 11.739 PTH 2.07 VMP 5.890 DPA 18.53 RAP 181.03 ECC 1.2704
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 51 6 1142.00 12.91 339.51 18.55 115.42 11 10 8 542.0 16.23 332.40
 90.00 13 51 21 5838.98 26.16 279.34 23.20 101.25 15 28 40 5239.0 27.45 270.91
 100.00 11 42 36 975.64 10.55 326.08 17.34 118.13 11 58 52 375.6 14.24 319.22
 100.00 15 42 31 5480.58 28.76 253.48 23.71 98.53 17 13 52 4880.6 29.64 244.79
 110.00 11 59 39 922.13 5.97 319.25 14.56 123.72 12 15 1 322.1 10.36 312.91
 110.00 17 41 58 5106.85 34.08 225.72 24.33 92.86 19 7 4 4506.9 34.10 216.48

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0030 TRA-1.1146 TC3 .6546 BAU .1818
 RDE .1299 RRA -.2199 RC3 .5064 FAU .05346
 FDE -2.5554 FRA 1.7326 FC3-2.8171 BSP 7736
 BDE 1.0114 BRA 1.1361 BC3 .8276 FSP -1300

SGT 2321.2 SGR 568.1 SG3 438.4
 RRT .8258 RRF -.8847 RTF -.9464
 SGB 2389.8 R23 -.1570 R13 -.9510
 SGI 2369.1 SG2 313.9 TMA 11.63

ST 1512.9 SR 211.4 SS 1885.5
 CRT .9862 CRS .9568 CST .9911
 LSA 2421.1 MSA 164.8 SSA 11.5
 EL1 1527.2 EL2 34.7 ALF 7.85

LAUNCH DATE MAY 14 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 344.284

RL 151.19 LAL -.00 LOL 232.53 VL 26.685 GAL 3.95 AZL 95.04 MCA 144.71 SMA 127.18 ECC .20050 INC 5.0440 V1 29.470
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.454 GAP -7.93 AZP 85.88 TAL 163.87 TAP 308.58 RCA 101.68 APO 152.68 V2 34.926
 RC 55.163 GL -35.44 GP 15.92 ZAL 68.86 ZAP 28.01 ETS 327.11 ZAE 144.18 ETE 41.72 ZAC 87.50 ETC 13.61 CLP -23.36

PLANETOCENTRIC CONIC

C3 16.291 VHL 4.036 CLA -27.98 RAL 154.81 RAD 6567.7 VEL 11.733 PTH 2.07 VMP 5.608 OPA 19.98 RAP 182.57 ECC 1.2681
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 36 41 969.66 17.69 329.11 18.87 112.48 11 52 51 369.7 20.58 321.64
 90.00 12 53 43 719.41 23.41 313.00 21.02 106.41 13 5 43 119.4 25.43 304.92
 100.00 12 6 54 871.97 13.81 320.10 17.02 116.78 12 21 26 272.0 17.30 313.04
 100.00 15 6 12 5580.38 27.54 260.65 22.18 102.11 16 39 12 4980.4 28.93 252.12
 110.00 12 11 2 858.97 8.34 315.90 13.80 123.27 12 25 21 259.0 12.66 309.47
 110.00 17 18 33 5166.14 33.78 230.33 23.31 95.57 18 44 39 4566.1 34.18 221.11

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0395 TRA -1.0669 TC3 .6844 BAU .1926
 RDE .2050 RRA -.2374 RC3 .5597 FAU .05757
 FDE -2.8747 FRA 1.7885 FC3 -3.0593 BSP 7892
 BDE 1.0595 BRA 1.0930 BC3 .8841 FSP -1443

SGT 2328.8 SGR 659.1 SG3 481.2
 RRT .8687 RRF -.9263 RTF -.9496
 SGB 2420.3 R23 -.1733 R13 -.9558
 SGI 2399.5 SG2 316.9 THA 14.06

ST 1562.8 SR 313.0 SS 2021.1
 CRT .9987 CRS .9859 CST .9919
 LSA 2568.9 MSA 161.5 SSA 10.6
 EL1 1593.8 EL2 15.7 ALF 11.31

LAUNCH DATE MAY 14 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 350.912

RL 151.19 LAL -.00 LOL 232.53 VL 26.748 GAL 3.79 AZL 95.29 MCA 147.89 SMA 127.59 ECC .19603 INC 5.2925 V1 29.470
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.510 GAP -7.34 AZP 85.51 TAL 164.09 TAP 311.98 RCA 102.58 APO 152.60 V2 34.938
 RC 56.885 GL -37.51 GP 18.25 ZAL 69.94 ZAP 31.38 ETS 326.76 ZAE 142.75 ETE 43.39 ZAC 86.41 ETC 13.29 CLP -25.98

PLANETOCENTRIC CONIC

C3 16.347 VHL 4.043 CLA -29.59 RAL 153.23 RAD 6567.7 VEL 11.736 PTH 2.07 VMP 5.353 OPA 21.85 RAP 184.17 ECC 1.2690
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.03 10 55 20 1082.75 21.63 339.06 18.92 110.70 11 13 23 482.8 24.25 331.27
 98.97 13 22 25 607.88 21.64 304.18 18.93 110.69 13 32 33 7.9 24.26 296.39
 100.00 12 54 40 696.67 18.91 309.58 17.74 113.59 13 6 16 96.7 21.94 302.10
 100.00 14 5 46 5757.24 24.42 272.85 19.98 107.80 15 41 44 5157.2 26.62 264.74
 110.00 12 25 47 787.72 10.98 312.07 13.37 122.58 12 38 55 187.7 15.20 305.51
 110.00 16 51 9 5238.95 33.16 235.92 22.34 98.83 18 18 27 4639.0 34.02 226.79

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0754 TRA -1.0206 TC3 .6897 BAU .2025
 RDE .2992 RRA -.2604 RC3 .6186 FAU .06149
 FDE -3.2349 FRA 1.8395 FC3 -3.2563 BSP 7976
 BDE 1.1163 BRA 1.0533 BC3 .9265 FSP -1585

SGT 2323.9 SGR 781.1 SG3 525.1
 RRT .8986 RRF -.9549 RTF -.9517
 SGB 2451.6 R23 -.1875 R13 -.9603
 SGI 2429.6 SG2 327.8 THA 17.13

ST 1603.7 SR 442.9 SS 2161.0
 CRT .9994 CRS .9951 CST .9925
 LSA 2722.5 MSA 159.8 SSA 9.6
 EL1 1663.7 EL2 14.5 ALF 15.43

LAUNCH DATE MAY 14 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 357.523

RL 151.19 LAL -.00 LOL 232.53 VL 26.804 GAL 3.65 AZL 95.59 MCA 151.08 SMA 127.96 ECC .19200 INC 5.5896 V1 29.470
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.562 GAP -6.77 AZP 85.10 TAL 164.30 TAP 315.38 RCA 103.39 APO 152.53 V2 34.951
 RC 58.673 GL -39.70 GP 21.09 ZAL 71.05 ZAP 35.12 ETS 326.19 ZAE 141.10 ETE 45.70 ZAC 85.36 ETC 12.92 CLP -28.75

PLANETOCENTRIC CONIC

C3 16.635 VHL 4.079 CLA -31.32 RAL 151.55 RAD 6567.7 VEL 11.748 PTH 2.07 VMP 5.133 OPA 24.23 RAP 185.91 ECC 1.2738
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.03 10 11 41 1204.10 22.73 348.60 18.02 112.15 10 31 45 604.1 25.53 340.80
 103.97 13 52 39 5782.57 22.74 274.08 18.03 112.14 15 29 2 5182.6 25.54 266.28
 76.03 10 11 41 1204.10 22.73 348.60 18.02 112.15 10 31 45 604.1 25.53 340.80
 103.97 13 52 39 5782.57 22.74 274.08 18.03 112.14 15 29 2 5182.6 25.54 266.28
 110.00 12 46 32 700.98 14.11 307.30 13.44 121.46 12 58 13 101.0 18.17 300.54
 110.00 16 16 59 5333.68 31.94 243.04 21.29 102.87 17 45 53 4733.7 35.38 234.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1143 TRA -.9729 TC3 .6750 BAU .2135
 RDE .4205 RRA -.2895 RC3 .6829 FAU .06506
 FDE -3.6384 FRA 1.8745 FC3 -3.3857 BSP 8074
 BDE 1.1910 BRA 1.0151 BC3 .9602 FSP -1726

SGT 2305.0 SGR 941.2 SG3 568.2
 RRT .9186 RRF -.9734 RTF -.9534
 SGB 2489.8 R23 -.1950 R13 -.9653
 SGI 2465.4 SG2 347.7 THA 21.00

ST 1637.4 SR 608.0 SS 2304.0
 CRT .9980 CRS .9982 CST .9930
 LSA 2886.9 MSA 158.6 SSA 8.5
 EL1 1746.3 EL2 35.8 ALF 20.34

LAUNCH DATE MAY 14 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 364.118

RL 151.19 LAL -.00 LOL 232.53 VL 26.855 GAL 3.52 AZL 95.95 MCA 154.27 SMA 128.30 ECC .18839 INC 5.9534 V1 29.470
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.609 GAP -6.21 AZP 84.63 TAL 164.50 TAP 318.77 RCA 104.13 APO 152.46 V2 34.964
 RC 60.521 GL -42.06 GP 24.58 ZAL 72.21 ZAP 39.31 ETS 325.45 ZAE 139.08 ETE 48.67 ZAC 84.33 ETC 12.49 CLP -31.70

PLANETOCENTRIC CONIC

C3 17.222 VHL 4.150 CLA -33.18 RAL 149.74 RAD 6567.7 VEL 11.773 PTH 2.08 VMP 4.958 OPA 27.24 RAP 187.87 ECC 1.2834
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 71.93 9 37 12 1297.11 23.79 356.18 17.35 113.85 9 58 49 697.1 26.80 348.40
 108.07 14 12 45 5705.52 23.80 268.69 17.36 113.84 15 47 51 5105.5 26.81 260.91
 71.93 9 37 12 1297.11 23.79 356.18 17.35 113.85 9 58 49 697.1 26.80 348.40
 108.07 14 12 45 5705.52 23.80 268.69 17.36 113.84 15 47 51 5105.5 26.81 260.91
 110.00 13 22 7 5861.06 18.52 277.91 14.53 119.26 14 59 48 5261.1 22.28 270.79
 110.00 15 27 0 5477.61 29.29 253.40 19.73 108.47 16 58 18 4877.6 31.53 244.91

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1597 TRA -.9219 TC3 .6420 BAU .2275
 RDE .5814 RRA -.3245 RC3 .7508 FAU .06792
 FDE -4.0819 FRA 1.8771 FC3 -3.4143 BSP 8260
 BDE 1.2973 BRA .9774 BC3 .9879 FSP -1862

SGT 2271.7 SGR 1148.5 SG3 607.1
 RRT .9319 RRF -.9847 RTF -.9549
 SGB 2545.6 R23 -.1918 R13 -.9712
 SGI 2517.6 SG2 376.0 THA 25.85

ST 1665.0 SR 818.8 SS 2447.0
 CRT .9967 CRS .9994 CST .9935
 LSA 3066.8 MSA 157.3 SSA 7.5
 EL1 1854.5 EL2 59.6 ALF 26.14

LAUNCH DATE MAY 14 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 370.694

RL 151.19 LAL -.00 LOL 232.53 VL 26.900 GAL 3.41 AZL 96.41 MCA 157.46 SMA 128.60 ECC .18517 INC 6.4128 V1 29.470
 RP 108.35 LAP -2.45 LOP 30.11 VP 37.654 GAP -5.66 AZP 84.07 TAL 164.69 TAP 322.14 RCA 104.78 APO 152.41 V2 34.977
 RC 62.420 GL -44.63 GP 28.90 ZAL 73.42 ZAP 44.04 ETS 324.59 ZAE 136.42 ETE 52.23 ZAC 83.30 ETC 11.96 CLP -34.81

PLANETOCENTRIC CONIC

C3 18.226 VHL 4.269 DLA -35.23 RAL 147.77 RAD 6567.7 VEL 11.816 PTH 2.09 VMP 4.844 OPA 31.03 RAP 190.24 ECC 1.3000
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 68.11 9 6 25 1380.10 24.76 3.16 16.96 115.89 9 29 25 780.1 28.03 355.43
 111.89 14 27 48 5648.87 24.76 264.77 16.97 115.88 16 1 57 5048.9 28.05 257.03
 68.11 9 6 25 1380.10 24.76 3.16 16.96 115.89 9 29 25 780.1 28.03 355.43
 111.89 14 27 48 5648.87 24.76 264.77 16.97 115.88 16 1 57 5048.9 28.05 257.03
 68.11 9 6 25 1380.10 24.76 3.16 16.96 115.89 9 29 25 780.1 28.03 355.43
 111.89 14 27 48 5648.87 24.76 264.77 16.97 115.88 16 1 57 5048.9 28.05 257.03

DIFFERENTIAL CORRECTIONS

TDE 1.2129 TRA -.8690 TC3 .5862 BAU .2448
 RDE .7993 RRA -.3649 RC3 .8160 FAU .06925
 FDE-4.5424 FRA 1.8293 FC3-3.2896 BSP 8548
 BDE 1.4526 BRA .9425 BC3 1.0047 FSP -1969

MID-COURSE EXECUTION ACCURACY

SGT 2222.3 SGR 1412.6 SG3 635.4
 RRT .9400 RRF -.9913 RTF -.9557
 SGB 2633.3 R23 -.1777 R13 -.9777
 SGI 2600.9 SG2 411.9 TMA 31.75

ORBIT DETERMINATION ACCURACY

ST 1683.3 SR 1087.8 SS 2579.2
 CRT .9958 CRS .9998 CST .9939
 LSA 3262.6 MSA 156.4 SSA 6.5
 ELI 2002.5 EL2 83.7 ALF 32.83

LAUNCH DATE MAY 14 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 377.250

RL 151.19 LAL -.00 LOL 232.53 VL 26.940 GAL 3.31 AZL 97.02 MCA 160.65 SMA 128.86 ECC .18233 INC 7.0151 V1 29.470
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.694 GAP -5.13 AZP 83.38 TAL 164.85 TAP 325.50 RCA 105.37 APO 152.36 V2 34.990
 RC 64.367 GL -47.47 GP 34.26 ZAL 74.72 ZAP 49.41 ETS 323.64 ZAE 132.82 ETE 56.21 ZAC 82.22 ETC 11.29 CLP -38.07

PLANETOCENTRIC CONIC

C3 19.865 VHL 4.457 DLA -37.49 RAL 145.56 RAD 6567.8 VEL 11.885 PTH 2.11 VMP 4.819 OPA 35.75 RAP 193.30 ECC 1.3269
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 64.32 8 37 9 1460.96 25.58 10.12 16.92 118.40 9 1 30 861.0 29.17 2.48
 115.68 14 39 23 5608.61 25.60 262.00 16.93 118.39 16 12 52 5008.6 29.18 254.35
 64.32 8 37 9 1460.96 25.58 10.12 16.92 118.40 9 1 30 861.0 29.17 2.48
 115.68 14 39 23 5608.61 25.60 262.00 16.93 118.39 16 12 52 5008.6 29.18 254.35
 64.32 8 37 9 1460.96 25.58 10.12 16.92 118.40 9 1 30 861.0 29.17 2.48
 115.68 14 39 23 5608.61 25.60 262.00 16.93 118.39 16 12 52 5008.6 29.18 254.35

DIFFERENTIAL CORRECTIONS

TDE 1.2842 TRA -.8127 TC3 .5143 BAU .2679
 RDE 1.1028 RRA -.4073 RC3 .8680 FAU .06816
 FDE-4.9806 FRA 1.7027 FC3-2.9704 BSP 9096
 BDE 1.6927 BRA .9090 BC3 1.0089 FSP -2029

MID-COURSE EXECUTION ACCURACY

SGT 2160.9 SGR 1744.7 SG3 644.3
 RRT .9454 RRF -.9950 RTF -.9567
 SGB 2777.3 R23 -.1518 R13 -.9846
 SGI 2740.9 SG2 448.4 TMA 38.58

ORBIT DETERMINATION ACCURACY

ST 1697.5 SR 1431.6 SS 2688.3
 CRT .9954 CRS .9999 CST .9943
 LSA 3483.4 MSA 154.9 SSA 5.5
 ELI 2218.1 EL2 105.5 ALF 40.12

LAUNCH DATE MAY 14 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 383.780

RL 151.19 LAL -.00 LOL 232.53 VL 26.975 GAL 3.22 AZL 97.85 MCA 163.84 SMA 129.10 ECC .17984 INC 7.8452 V1 29.470
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.731 GAP -4.61 AZP 82.46 TAL 165.00 TAP 328.84 RCA 105.88 APO 152.32 V2 35.003
 RC 66.356 GL -50.69 GP 40.94 ZAL 76.16 ZAP 55.50 ETS 322.69 ZAE 127.88 ETE 60.31 ZAC 81.00 ETC 10.36 CLP -41.43

PLANETOCENTRIC CONIC

C3 22.577 VHL 4.752 DLA -40.04 RAL 142.97 RAD 6567.9 VEL 11.998 PTH 2.14 VMP 4.937 OPA 41.52 RAP 197.61 ECC 1.3716
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 60.42 8 7 57 1545.96 26.08 17.50 17.33 121.53 8 33 43 946.0 30.04 10.04
 119.58 14 47 56 5585.15 26.09 260.36 17.34 121.52 16 21 1 4985.2 30.06 252.90
 60.42 8 7 57 1545.96 26.08 17.50 17.33 121.53 8 33 43 946.0 30.04 10.04
 119.58 14 47 56 5585.15 26.09 260.36 17.34 121.52 16 21 1 4985.2 30.06 252.90
 60.42 8 7 57 1545.96 26.08 17.50 17.33 121.53 8 33 43 946.0 30.04 10.04
 119.58 14 47 56 5585.15 26.09 260.36 17.34 121.52 16 21 1 4985.2 30.06 252.90

DIFFERENTIAL CORRECTIONS

TDE 1.4318 TRA -.7136 TC3 .5017 BAU .3178
 RDE 1.5566 RRA -.4187 RC3 .9256 FAU .06695
 FDE-5.3890 FRA 1.3849 FC3-2.5670 BSP 11099
 BDE 2.1150 BRA .8274 BC3 1.0528 FSP -2167

MID-COURSE EXECUTION ACCURACY

SGT 2114.6 SGR 2175.3 SG3 628.6
 RRT .9568 RRF -.9972 RTF -.9642
 SGB 3033.7 R23 -.1080 R13 -.9919
 SGI 3000.8 SG2 445.4 TMA 45.85

ORBIT DETERMINATION ACCURACY

ST 1759.2 SR 1887.6 SS 2786.3
 CRT .9961 CRS 1.0000 CST .9957
 LSA 3794.9 MSA 142.2 SSA 4.7
 ELI 2577.8 EL2 113.3 ALF 47.02

LAUNCH DATE MAY 14 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 390.300

RL 151.19 LAL -.00 LOL 232.53 VL 27.005 GAL 3.16 AZL 99.07 MCA 167.02 SMA 129.31 ECC .17771 INC 9.0713 V1 29.470
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.766 GAP -4.11 AZP 81.16 TAL 165.10 TAP 332.12 RCA 106.33 APO 152.29 V2 35.016
 RC 68.382 GL -54.35 GP 49.18 ZAL 77.78 ZAP 62.29 ETS 321.72 ZAE 121.22 ETE 63.97 ZAC 79.53 ETC 8.86 CLP -44.66

PLANETOCENTRIC CONIC

C3 27.369 VHL 5.232 DLA -42.92 RAL 139.84 RAD 6568.1 VEL 12.196 PTH 2.19 VMP 5.308 OPA 48.29 RAP 204.27 ECC 1.4504
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 56.29 7 37 41 1642.47 25.89 25.72 18.37 125.51 8 5 3 1042.5 30.34 18.60
 123.71 14 53 18 5583.35 25.90 260.07 18.38 125.50 16 26 21 4983.3 30.35 252.94
 56.29 7 37 41 1642.47 25.89 25.72 18.37 125.51 8 5 3 1042.5 30.34 18.60
 123.71 14 53 18 5583.35 25.90 260.07 18.38 125.50 16 26 21 4983.3 30.35 252.94
 56.29 7 37 41 1642.47 25.89 25.72 18.37 125.51 8 5 3 1042.5 30.34 18.60
 123.71 14 53 18 5583.35 25.90 260.07 18.38 125.50 16 26 21 4983.3 30.35 252.94

DIFFERENTIAL CORRECTIONS

TDE 1.5197 TRA -.7404 TC3 .2653 BAU .3035
 RDE 2.1423 RRA -.4861 RC3 .7859 FAU .04909
 FDE-5.3203 FRA 1.2015 FC3-1.5529 BSP 10132
 BDE 2.6266 BRA .8857 BC3 .8295 FSP -1662

MID-COURSE EXECUTION ACCURACY

SGT 2018.2 SGR 2590.2 SG3 545.2
 RRT .9446 RRF -.9980 RTF -.9531
 SGB 3283.7 R23 -.0929 R13 -.9942
 SGI 3240.7 SG2 529.3 TMA 52.47

ORBIT DETERMINATION ACCURACY

ST 1697.3 SR 2356.5 SS 2683.7
 CRT .9946 CRS 1.0000 CST .9945
 LSA 3951.0 MSA 160.2 SSA 3.8
 ELI 2900.5 EL2 143.7 ALF 54.28

LAUNCH DATE MAY 14 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 396.783

RL 151.19 LAL -0.00 LOL 232.53 VL 27.031 GAL 3.11 AZL 101.08 MCA 170.20 SMA 129.49 ECC .17590 INC11.0790 V1 29.470
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.797 GAP -3.62 AZP 79.08 TAL 165.17 TAP 335.37 RCA 106.71 APO 152.26 V2 35.029
 RC 70.443 GL -58.57 GP 59.25 ZAL 79.73 ZAP 69.67 ETS 320.29 ZAE 112.45 ETE 66.19 ZAC 77.67 ETC 5.96 CLP -47.19

PLANETOCENTRIC CONIC

C3 36.993 VHL 6.079 OLA -46.10 RAL 135.83 RAD 6568.4 VEL 12.583 PTH 2.28 VHP 6.178 OPA 55.59 RAP 215.60 ECC 1.6081
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.97 7 5 0 1761.72 24.24 35.18 20.14 130.49 7 34 22 1161.7 29.27 28.63
 128.03 14 53 58 5615.00 24.26 261.53 20.15 130.49 16 27 33 5015.0 29.29 254.98
 51.97 7 5 0 1761.72 24.24 35.18 20.14 130.49 7 34 22 1161.7 29.27 28.63
 128.03 14 53 58 5615.00 24.26 261.53 20.15 130.49 16 27 33 5015.0 29.29 254.98
 51.97 7 5 0 1761.72 24.24 35.18 20.14 130.49 7 34 22 1161.7 29.27 28.63
 128.03 14 53 58 5615.00 24.26 261.53 20.15 130.49 16 27 33 5015.0 29.29 254.98

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.8819 TRA -.7105 TC3 .1656 BAU .3093 SGT 2029.6 SGR 3057.4 SG3 424.3 ST 1797.3 SR 2910.5 SS 2518.2
 RDE 3.0817 RRA -.4487 RC3 .6039 FAU .03247 RRT .9490 RRF -.9985 RTF -.9580 CRT .9951 CRS 1.0000 CST .9955
 FDE-4.9941 FRA .7711 FC3 -.7608 BSP 11472 SGB 3669.8 R23 -.0630 R13 -.9971 LSA 4244.6 MSA 158.7 SSA 3.0
 BDE 3.6109 BRA .8403 BC3 .6262 FSP -1302 SGI 3630.0 SG2 539.0 THA 56.97 ELI 3417.3 EL2 151.4 ALF 58.36

LAUNCH DATE MAY 14 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 403.221

RL 151.19 LAL -0.00 LOL 232.53 VL 27.054 GAL 3.07 AZL 104.99 MCA 173.36 SMA 129.64 ECC .17441 INC14.9857 V1 29.470
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.825 GAP -3.14 AZP 75.11 TAL 165.18 TAP 338.54 RCA 107.03 APO 152.25 V2 35.042
 RC 72.534 GL -63.15 GP 71.31 ZAL 82.15 ZAP 77.16 ETS 314.62 ZAE 101.19 ETE 62.66 ZAC 75.07 ETC 357.29 CLP -46.07

PLANETOCENTRIC CONIC

C3 61.308 VHL 7.830 OLA -49.24 RAL 130.59 RAD 6569.1 VEL 13.515 PTH 2.47 VHP 8.262 OPA 61.54 RAP 236.15 ECC 2.0090
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 47.87 6 29 54 1923.22 19.49 45.98 22.80 136.16 7 1 57 1323.2 25.16 40.28
 132.13 14 47 14 5706.08 19.51 265.51 22.82 136.16 16 22 20 5106.1 25.17 259.81
 47.87 6 29 54 1923.22 19.49 45.98 22.80 136.16 7 1 57 1323.2 25.16 40.28
 132.13 14 47 14 5706.08 19.51 265.51 22.82 136.16 16 22 20 5106.1 25.17 259.81
 47.87 6 29 54 1923.22 19.49 45.98 22.80 136.16 7 1 57 1323.2 25.16 40.28
 132.13 14 47 14 5706.08 19.51 265.51 22.82 136.16 16 22 20 5106.1 25.17 259.81

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.0580 TRA -.7434 TC3 .0712 BAU .2343 SGT 3290.4 SGR 3295.8 SG3 268.9 ST 2251.6 SR 3256.7 SS 2196.5
 RDE 4.4491 RRA -.2442 RC3 .2769 FAU .01206 RRT .9598 RRF -.9979 RTF -.9737 CRT .9963 CRS .9999 CST .9974
 FDE-4.2020 FRA .3571 FC3 -.1703 BSP 12654 SGB 4071.3 R23 -.0402 R13 -.9987 LSA 4524.9 MSA 161.6 SSA 1.9
 BDE 5.3987 BRA .7825 BC3 .2859 FSP -813 SGI 4034.3 SG2 548.1 THA 54.40 ELI 3956.1 EL2 159.3 ALF 55.38

LAUNCH DATE MAY 14 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 409.543

RL 151.19 LAL -0.00 LOL 232.53 VL 27.072 GAL 3.07 AZL 115.76 MCA 176.44 SMA 129.77 ECC .17331 INC25.7563 V1 29.470
 RP 108.10 LAP -1.55 LOP 49.32 VP 37.850 GAP -2.70 AZP 64.29 TAL 165.07 TAP 341.51 RCA 107.28 APO 152.26 V2 35.056
 RC 74.652 GL -66.00 GP 83.90 ZAL 85.23 ZAP 83.94 ETS 230.59 ZAE 85.68 ETE 339.27 ZAC 70.50 ETC 267.67 CLP 6.37

PLANETOCENTRIC CONIC

C3 165.362 VHL 12.859 OLA -50.18 RAL 124.92 RAD 6570.8 VEL 16.932 PTH 2.92 VHP 14.668 OPA 60.72 RAP 269.69 ECC 3.7214
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 46.67 6 3 22 2142.03 9.10 56.14 27.23 139.57 6 39 4 1542.0 15.14 51.19
 133.33 14 28 30 618.30 9.11 295.89 27.25 139.56 14 38 49 18.3 15.15 290.94
 46.67 6 3 22 2142.03 9.10 56.14 27.23 139.57 6 39 4 1542.0 15.14 51.19
 133.33 14 28 30 618.30 9.11 295.89 27.25 139.56 14 38 49 18.3 15.15 290.94
 46.67 6 3 22 2142.03 9.10 56.14 27.23 139.57 6 39 4 1542.0 15.14 51.19
 133.33 14 28 30 618.30 9.11 295.89 27.25 139.56 14 38 49 18.3 15.15 290.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 9.5461 TRA .0426 TC3 -.1100 BAU .2810 SGT 4262.8 SGR 926.9 SG3 129.4 ST 4253.4 SR 682.5 SS 1888.5
 RDE-1.4709 RRA .9123 RC3 .0636 FAU-.00956 RRT -.7124 RRF .7534 RTF -.9981 CRT -.9597 CRS -.9644 CST .9998
 FDE-3.3440 FRA .1092 FC3 .0501 BSP 13002 SGB 4362.4 R23 -.0368 R13 .9993 LSA 4699.7 MSA 190.5 SSA .7
 BDE 9.6587 BRA .9133 BC3 .1271 FSP -373 SGI 4314.9 SG2 642.6 THA 170.99 ELI 4303.6 EL2 189.6 ALF 171.23

LAUNCH DATE MAY 14 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 423.084

RL 151.19 LAL -0.00 LOL 232.53 VL 27.099 GAL 2.93 AZL 69.54 MCA 183.43 SMA 129.95 ECC .17102 INC20.4630 V1 29.470
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.894 GAP -1.61 AZP 110.43 TAL 165.52 TAP 348.95 RCA 107.73 APO 152.18 V2 35.082
 RC 78.958 GL 65.90 GP -86.56 ZAL 84.43 ZAP 86.86 ETS 67.76 ZAE 94.44 ETE 323.34 ZAC 100.80 ETC 38.11 CLP 24.05

PLANETOCENTRIC CONIC

C3 107.442 VHL 10.365 OLA 64.53 RAL 209.61 RAD 6570.1 VEL 15.126 PTH 2.72 VHP 15.196 OPA -68.80 RAP 100.86 ECC 2.7682
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 29.24 22 52 10 4798.46 -15.74 236.83 111.91 26.53 24 12 8 4198.5 -22.86 233.38
 150.76 8 55 24 3085.72 -15.73 93.73 111.89 26.53 9 46 50 2485.7 -22.85 90.28
 29.24 22 52 10 4798.46 -15.74 236.83 111.91 26.53 24 12 8 4198.5 -22.86 233.38
 150.76 8 55 24 3085.72 -15.73 93.73 111.89 26.53 9 46 50 2485.7 -22.85 90.28
 29.24 22 52 10 4798.46 -15.74 236.83 111.91 26.53 24 12 8 4198.5 -22.86 233.38
 150.76 8 55 24 3085.72 -15.73 93.73 111.89 26.53 9 46 50 2485.7 -22.85 90.28

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.2013 TRA-2.7014 TC3 -.0165 BAU .0478 SGT 3535.7 SGR 3046.2 SG3 122.1 ST 1235.4 SR 944.8 SS 586.8
 RDE .4564 RRA 2.3611 RC3 -.0289 FAU-.00116 RRT -.9629 RRF .9823 RTF -.9962 CRT -.6691 CRS -.8203 CST .9739
 FDE -.2686 FRA 1.0931 FC3 -.0094 BSP 14185 SGB 4667.0 R23 .0303 R13 .9994 LSA 1547.9 MSA 606.1 SSA .8
 BDE 1.2851 BRA 3.5878 BC3 .0333 FSP -384 SGI 4624.4 SG2 628.9 THA 139.41 ELI 1432.6 EL2 605.5 ALF 146.04

LAUNCH DATE MAY 14 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 429.339

RL 151.19 LAL -.00 LOL 232.53 VL 27.108 GAL 2.97 AZL 80.98 HCA 186.50 SMA 130.02 ECC .17070 INC 9.0225 V1 29.470
 RP 107.98 LAP -1.02 LOP 58.96 VP 37.912 GAP -1.19 AZP 98.97 TAL 165.29 TAP 351.79 RCA 107.82 APO 152.21 V2 35.094
 RC 81.139 GL 55.51 GP -75.76 ZAL 78.52 ZAP 86.09 ETS 15.90 ZAE 108.96 ETE 273.51 ZAC 106.33 ETC 353.77 CLP -73.90

PLANETOCENTRIC CONIC

C3 26.533 VHL 5.151 DLA 55.25 RAL 198.08 RAD 6568.1 VEL 12.162 PTH 2.18 VHP 8.267 DPA -57.54 RAP 123.08 ECC 1.4367
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 40.35 22 34 27 4409.12 -32.19 213.19 82.21 42.34 23 47 56 3809.1 -37.93 206.79
 139.65 7 41 10 2801.29 -32.18 83.82 82.19 42.33 8 27 52 2201.3 -37.91 77.42
 40.35 22 34 27 4409.12 -32.19 213.19 82.21 42.34 23 47 56 3809.1 -37.93 206.79
 139.65 7 41 10 2801.29 -32.18 83.82 82.19 42.33 8 27 52 2201.3 -37.91 77.42
 40.35 22 34 27 4409.12 -32.19 213.19 82.21 42.34 23 47 56 3809.1 -37.93 206.79
 139.65 7 41 10 2801.29 -32.18 83.82 82.19 42.33 8 27 52 2201.3 -37.91 77.42

DIFFERENTIAL CORRECTIONS

TDE .4987 TRA .0499 TC3 -.1626 BAU .4335
 RDE .1387 RRA 2.2623 RC3-1.2113 FAU .02674
 FDE .0238 FRA 1.5152 FC3 -.8726 BSP 14290
 BDE .5176 BRA 2.2628 BC3 1.2221 FSP -851

MID-COURSE EXECUTION ACCURACY

SGT 587.6 SGR 4590.4 SG3 267.0
 RRT .2687 RRF .9995 RTF .2496
 SGB 4627.8 R23 .0239 R13 .9994
 SG1 4593.1 SG2 565.6 TMA 88.00

ORBIT DETERMINATION ACCURACY

ST 555.5 SR 1333.9 SS 634.1
 CRT .1680 CRS -.9963 CST -.0827
 LSA 1479.0 MSA 550.2 SSA 1.6
 EL1 1337.8 EL2 546.0 ALF 85.20

LAUNCH DATE MAY 14 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 435.682

RL 151.19 LAL -.00 LOL 232.53 VL 27.114 GAL 3.01 AZL 85.03 HCA 189.67 SMA 130.06 ECC .17053 INC 4.9720 V1 29.470
 RP 107.94 LAP -.83 LOP 62.17 VP 37.928 GAP -.76 AZP 94.90 TAL 165.09 TAP 354.77 RCA 107.88 APO 152.23 V2 35.107
 RC 83.336 GL 40.98 GP -65.63 ZAL 73.08 ZAP 87.27 ETS 7.00 ZAE 118.74 ETE 265.48 ZAC 109.77 ETC 351.71 CLP -83.38

PLANETOCENTRIC CONIC

C3 12.805 VHL 3.578 DLA 42.72 RAL 186.57 RAD 6567.5 VEL 11.584 PTH 2.03 VHP 5.933 DPA -48.39 RAP 131.07 ECC 1.2107
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 56.57 22 43 23 4105.38 -32.31 183.37 53.35 60.38 23 51 48 3505.4 -35.98 175.19
 123.43 6 0 23 2765.06 -32.30 80.39 53.34 60.37 6 46 28 2165.1 -35.97 72.22
 56.57 22 43 23 4105.38 -32.31 183.37 53.35 60.38 23 51 48 3505.4 -35.98 175.19
 123.43 6 0 23 2765.06 -32.30 80.39 53.34 60.37 6 46 28 2165.1 -35.97 72.22
 56.57 22 43 23 4105.38 -32.31 183.37 53.35 60.38 23 51 48 3505.4 -35.98 175.19
 123.43 6 0 23 2765.06 -32.30 80.39 53.34 60.37 6 46 28 2165.1 -35.97 72.22

DIFFERENTIAL CORRECTIONS

TDE .3169 TRA .2500 TC3 -.7855 BAU .4899
 RDE .1588 RRA 1.7804 RC3-2.7520 FAU .05227
 FDE .1182 FRA 2.1589 FC3-3.5337 BSP 13776
 BDE .3544 BRA 1.7979 BC3 2.8619 FSP -1471

MID-COURSE EXECUTION ACCURACY

SGT 932.9 SGR 4358.8 SG3 461.8
 RRT .8239 RRF .9995 RTF .8185
 SGB 4457.5 R23 .0298 R13 .9991
 SG1 4427.0 SG2 520.6 TMA 79.86

ORBIT DETERMINATION ACCURACY

ST 533.3 SR 1193.0 SS 731.0
 CRT .5034 CRS -.9967 CST -.4312
 LSA 1424.6 MSA 460.8 SSA 2.7
 EL1 1227.6 EL2 447.8 ALF 75.32

LAUNCH DATE MAY 14 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 442.034

RL 151.19 LAL -.00 LOL 232.53 VL 27.118 GAL 3.05 AZL 87.09 HCA 192.87 SMA 130.08 ECC .17055 INC 2.9120 V1 29.470
 RP 107.91 LAP -.65 LOP 65.39 VP 37.942 GAP -.33 AZP 92.84 TAL 164.88 TAP 357.75 RCA 107.89 APO 152.26 V2 35.119
 RC 85.546 GL 27.48 GP -57.46 ZAL 69.15 ZAP 89.99 ETS 1.11 ZAE 126.18 ETE 258.84 ZAC 112.68 ETC 351.90 CLP -89.99

PLANETOCENTRIC CONIC

C3 8.893 VHL 2.982 DLA 30.50 RAL 179.28 RAD 6567.3 VEL 11.414 PTH 1.98 VHP 4.838 DPA -40.51 RAP 134.90 ECC 1.1464
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.16 0 19 43 3667.10 -25.21 144.94 36.26 72.23 1 20 50 3067.1 -27.40 136.77
 101.84 3 29 50 3055.05 -25.20 99.84 36.25 72.22 4 20 45 2455.1 -27.39 91.67
 78.16 0 19 43 3667.10 -25.21 144.94 36.26 72.23 1 20 50 3067.1 -27.40 136.77
 101.84 3 29 50 3055.05 -25.20 99.84 36.25 72.22 4 20 45 2455.1 -27.39 91.67
 110.00 6 23 24 2512.19 -33.84 60.60 38.26 84.88 7 5 16 1912.2 -34.18 51.38
 110.00 2 25 20 3257.97 -17.14 111.33 32.43 59.96 3 19 38 2658.0 -21.01 104.33

DIFFERENTIAL CORRECTIONS

TDE .1867 TRA .3732 TC3-1.6630 BAU .4946
 RDE -.0135 RRA 1.4963 RC3-3.8138 FAU .07692
 FDE -.1430 FRA 2.7989 FC3-7.4886 BSP 13187
 BDE .1872 BRA 1.5422 BC3 4.1606 FSP -2125

MID-COURSE EXECUTION ACCURACY

SGT 1343.5 SGR 4038.4 SG3 663.5
 RRT .9259 RRF .9993 RTF .9232
 SGB 4256.0 R23 .0413 R13 .9985
 SG1 4228.3 SG2 484.6 TMA 72.64

ORBIT DETERMINATION ACCURACY

ST 438.0 SR 1003.7 SS 793.1
 CRT .5520 CRS -.9929 CST -.4488
 LSA 1298.5 MSA 377.1 SSA 4.4
 EL1 1036.4 EL2 353.7 ALF 74.62

LAUNCH DATE MAY 14 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 448.377

RL 151.19 LAL -.00 LOL 232.53 VL 27.118 GAL 3.10 AZL 88.34 HCA 196.08 SMA 130.09 ECC .17079 INC 1.6616 V1 29.470
 RP 107.87 LAP -.46 LOP 68.60 VP 37.953 GAP -.10 AZP 91.60 TAL 164.63 TAP .71 RCA 107.87 APO 152.30 V2 35.131
 RC 87.767 GL 16.60 GP -50.60 ZAL 66.72 ZAP 93.77 ETS 356.59 ZAE 131.81 ETE 251.78 ZAC 115.33 ETC 352.68 CLP -95.95

PLANETOCENTRIC CONIC

C3 7.560 VHL 2.749 DLA 20.40 RAL 174.75 RAD 6567.2 VEL 11.356 PTH 1.96 VHP 4.246 DPA -33.65 RAP 136.83 ECC 1.1244
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 41 39 2703.34 -27.67 74.80 27.76 96.29 5 26 42 2103.3 -26.51 66.33
 90.00 22 27 49 3958.26 -7.69 158.42 23.88 62.66 23 33 47 3358.3 -11.29 151.59
 100.00 6 16 17 2398.18 -28.82 52.19 27.59 98.31 6 56 15 1798.2 -27.37 43.68
 100.00 23 35 52 3738.66 -6.66 141.72 23.33 60.79 24 38 10 3138.7 -10.51 135.04
 110.00 7 52 53 2095.95 -31.69 28.59 26.95 103.53 8 27 49 1495.9 -29.51 20.06
 110.00 0 19 41 3613.65 -4.17 130.70 21.79 56.04 1 19 54 3013.7 -8.60 124.42

DIFFERENTIAL CORRECTIONS

TDE .0544 TRA .4887 TC3-2.5372 BAU .4900
 RDE -.1667 RRA 1.2926 RC3-4.1318 FAU .09773
 FDE -.6174 FRA 3.3530 FC3-11.1926 BSP 12604
 BDE .1754 BRA 1.3819 BC3 4.8486 FSP -2705

MID-COURSE EXECUTION ACCURACY

SGT 1772.0 SGR 3679.8 SG3 842.6
 RRT .9589 RRF .9991 RTF .9572
 SGB 4084.2 R23 .0556 R13 .9975
 SG1 4058.7 SG2 455.6 TMA 64.87

ORBIT DETERMINATION ACCURACY

ST 347.7 SR 932.0 SS 949.0
 CRT .7545 CRS -.9904 CST -.6569
 LSA 1350.2 MSA 258.6 SSA 7.4
 EL1 970.2 EL2 219.2 ALF 73.41

LAUNCH DATE MAY 14 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 454.708

RL 151.19 LAL -.00 LOL 232.53 VL 27.117 GAL 3.17 AZL 89.18 MCA 199.29 SMA 130.08 ECC .17123 INC .8174 V1 29.470
 RP 107.83 LAP -.27 LOP 71.82 VP 37.963 GAP .53 A7P 90.77 TAL 164.34 TAP 3.63 RCA 107.80 APO 152.35 V2 35.143
 RC 89.996 GL 8.32 GP -44.75 ZAL 65.26 ZAP 98.18 ETS 353.07 ZAE 135.85 ETE 244.15 ZAC 117.74 ETC 353.77 CLP-101.56

PLANETOCENTRIC CONIC

C3 7.135 VHL 2.671 DLA 12.57 RAL 171.87 RAD 6567.2 VEL 11.337 PTH 1.95 VHP 3.908 DPA -27.63 RAP 137.77 ECC 1.1174
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 46 42 2399.61 -23.59 53.55 21.55 106.14 6 26 42 1799.6 -21.15 45.73
 90.00 20 59 47 4241.27 1.37 174.28 18.86 61.71 22 10 28 3641.3 -2.42 167.65
 100.00 7 14 31 2116.41 -24.43 32.44 21.26 107.78 7 49 47 1516.4 -21.77 24.65
 100.00 22 14 39 3999.70 2.15 156.09 18.43 60.18 23 21 19 3399.7 -1.84 149.57
 110.00 8 37 21 1857.21 -26.66 11.86 20.36 112.23 9 8 18 1257.2 -23.41 4.21
 110.00 23 8 18 3831.66 4.16 142.09 17.18 56.04 24 12 10 3231.7 -.33 135.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0848 TRA .6036 TC3-3.2727 BAU .4901
 RDE -.2696 RRA 1.1283 RC3-3.9614 FAU .11373
 FDE -1.1747 FRA 3.7752 FC-13.7993 BSP 12238
 BDE .2827 BRA 1.2796 BC3 5.1384 FSP -3175

SGT 2202.2 SGR 3310.9 SG3 983.3
 RRT .9731 RRF .9987 RTF .9717
 SGB 3976.4 R23 .0709 R13 .9962
 SG1 3953.6 SG2 425.2 THA 56.65

ST 440.7 SR 944.4 SS 1198.2
 CRT .9721 CRS -.9915 CST -.9339
 LSA 1579.6 MSA 163.3 SSA 11.6
 EL1 1037.9 EL2 94.0 ALF 65.38

LAUNCH DATE MAY 14 1967

FLIGHT TIME 170.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 461.022

RL 151.19 LAL -.00 LOL 232.53 VL 27.113 GAL 3.25 AZL 89.79 MCA 202.51 SMA 130.05 ECC .17188 INC .2063 V1 29.470
 RP 107.80 LAP -.08 LOP 75.05 VP 37.971 GAP .96 A7P 90.19 TAL 164.01 TAP 6.52 RCA 107.70 APO 152.40 V2 35.154
 RC 92.232 GL 2.11 GP -39.69 ZAL 64.30 ZAP 102.90 ETS 350.36 ZAE 138.46 ETE 236.21 ZAC 119.88 ETC 355.09 CLP-106.87

PLANETOCENTRIC CONIC

C3 7.094 VHL 2.664 DLA 6.59 RAL 170.03 RAD 6567.2 VEL 11.335 PTH 1.95 VHP 3.718 DPA -22.36 RAP 138.19 ECC 1.1168
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 27 29 2203.10 -19.29 40.76 18.15 111.14 7 4 12 1603.1 -16.24 33.40
 90.00 20 4 18 4435.76 7.57 185.21 16.69 62.63 21 18 14 3835.8 3.85 178.51
 100.00 7 51 58 1930.61 -20.04 20.39 17.83 112.65 8 24 8 1330.6 -16.80 13.10
 100.00 21 22 30 4183.48 8.29 166.27 16.31 61.18 22 32 13 3583.5 4.38 159.67
 110.00 9 7 23 1694.57 -22.05 1.48 16.84 116.81 9 35 38 1094.6 -18.27 354.38
 110.00 22 23 34 3992.29 10.19 150.62 15.16 57.19 23 30 6 3392.3 5.79 144.28

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2309 TRA .7175 TC3-3.8546 BAU .4978
 RDE -.3265 RRA .9914 RC3-3.5626 FAU .12435
 FDE -1.7174 FRA 4.0617 FC-15.1740 BSP 12130
 BDE .3999 BRA 1.2238 BC3 5.2488 FSP -3514

SGT 2622.4 SGR 2950.2 SG3 1080.3
 RRT .9799 RRF .9981 RTF .9789
 SGB 3947.2 R23 .0837 R13 .9945
 SG1 3927.6 SG2 392.8 THA 48.43

ST 684.0 SR 954.6 SS 1460.3
 CRT .9995 CRS -.9926 CST -.9905
 LSA 1870.2 MSA 116.1 SSA 16.0
 EL1 1174.2 EL2 18.1 ALF 54.38

LAUNCH DATE MAY 14 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 467.318

RL 151.19 LAL -.00 LOL 232.53 VL 27.108 GAL 3.34 AZL 90.26 MCA 205.74 SMA 130.01 ECC .17273 INC .2562 V1 29.470
 RP 107.77 LAP -.11 LOP 78.27 VP 37.977 GAP 1.38 A7P 89.77 TAL 163.63 TAP 9.37 RCA 107.55 APO 152.47 V2 35.165
 RC 94.474 GL -2.59 GP -35.30 ZAL 63.56 ZAP 107.70 ETS 348.31 ZAE 139.85 ETE 228.41 ZAC 121.70 ETC 356.58 CLP-111.88

PLANETOCENTRIC CONIC

C3 7.241 VHL 2.691 DLA 1.97 RAL 168.88 RAD 6567.2 VEL 11.342 PTH 1.95 VHP 3.623 DPA -17.75 RAP 138.35 ECC 1.1192
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 57 41 2062.16 -15.60 32.06 16.43 113.93 7 32 3 1462.2 -12.24 24.99
 90.00 19 24 57 4583.96 12.10 193.75 15.98 64.20 20 41 21 3984.0 8.53 186.88
 100.00 8 19 56 1796.83 -16.33 12.20 16.08 115.39 8 49 53 1196.8 -12.78 5.21
 100.00 20 45 22 4324.53 12.81 174.30 15.62 62.76 21 57 27 3724.5 9.06 167.52
 110.00 9 30 17 1576.63 -18.26 354.43 15.04 119.41 9 56 34 976.6 -14.20 347.67
 110.00 21 51 30 4117.49 14.71 157.49 14.53 58.79 23 0 8 3517.5 -10.47 150.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.3804 TRA .8313 TC3-4.2953 BAU .5124
 RDE -.3480 RRA .8765 RC3-3.0931 FAU .12970
 FDE -2.1849 FRA 4.2298 FC-15.5067 BSP 12248
 BDE .5155 BRA 1.2081 BC3 5.2931 FSP -3709

SGT 3022.7 SGR 2609.1 SG3 1134.8
 RRT .9834 RRF .9971 RTF .9829
 SGB 3993.0 R23 .0913 R13 .9930
 SG1 3976.8 SG2 359.7 THA 40.73

ST 971.1 SR 930.3 SS 1686.0
 CRT .9976 CRS -.9927 CST -.9982
 LSA 2154.2 MSA 101.4 SSA 18.2
 EL1 1344.0 EL2 46.3 ALF 43.77

LAUNCH DATE MAY 14 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 473.596

RL 151.19 LAL -.00 LOL 232.53 VL 27.100 GAL 3.45 AZL 90.62 MCA 208.97 SMA 129.96 ECC .17378 INC .6242 V1 29.470
 RP 107.73 LAP .30 LOP 81.50 VP 37.981 GAP 1.80 A7P 89.45 TAL 163.21 TAP 12.18 RCA 107.37 APO 152.54 V2 35.175
 RC 96.719 GL -6.19 GP -31.49 ZAL 62.88 ZAP 112.42 ETS 346.77 ZAE 140.25 ETE 221.19 ZAC 123.19 ETC 358.18 CLP-116.57

PLANETOCENTRIC CONIC

C3 7.491 VHL 2.737 DLA -1.66 RAL 168.22 RAD 6567.2 VEL 11.353 PTH 1.96 VHP 3.594 DPA -13.74 RAP 138.43 ECC 1.1233
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 22 0 1955.64 -12.56 25.71 15.74 115.59 7 54 36 1355.6 -9.02 18.83
 90.00 18 55 24 4702.68 15.51 200.80 16.13 66.01 20 13 47 4102.7 12.13 193.74
 100.00 8 42 34 1695.74 -13.29 6.23 15.37 117.03 9 10 50 1095.7 -9.56 359.43
 100.00 20 17 31 4437.81 16.24 180.97 15.77 64.55 21 31 29 3837.8 12.68 173.98
 110.00 9 49 2 1487.67 -15.21 349.34 14.27 120.99 10 13 50 887.7 -10.99 342.78
 110.00 21 27 32 4218.65 18.19 163.27 14.71 60.55 22 37 51 3618.7 14.13 156.51

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.5311 TRA .9448 TC3-4.6196 BAU .5328
 RDE -.3461 RRA .7794 RC3-2.6379 FAU .13071
 FDE -2.5573 FRA 4.2980 FC-15.1055 BSP 12582
 BDE .6340 BRA 1.2248 BC3 5.3197 FSP -3787

SGT 3398.0 SGR 2296.6 SG3 1152.9
 RRT .9850 RRF .9956 RTF .9853
 SGB 4101.3 R23 .0923 R13 .9917
 SG1 4088.1 SG2 329.1 THA 33.90

ST 1262.6 SR 875.6 SS 1863.4
 CRT .9946 CRS -.9919 CST -.9996
 LSA 2413.1 MSA 100.7 SSA 18.5
 EL1 1534.7 EL2 75.0 ALF 34.69

LAUNCH DATE MAY 14 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 479.855

RL 151.19 LAL -.00 LOL 232.53 VL 27.091 GAL 3.56 AZL 90.92 MCA 212.20 SMA 129.89 ECC .17503 INC .9245 VI 29.470
 RP 107.70 LAP .49 LOP 84.72 VP 37.984 GAP 2.21 AZP 89.22 TAL 162.76 TAP 14.95 RCA 107.16 APO 152.63 V2 35.185
 RC 98.967 GL -8.9H GP -28.17 ZAL 62.19 ZAP 116.96 ETS 345.63 ZAE 139.93 ETE 214.83 ZAC 124.32 ETC 359.83 CLP-120.95

PLANETOCENTRIC CONIC

C3 7.808 VHL 2.594 DLA -4.58 RAL 167.94 RAD 6567.3 VEL 11.367 PTH 1.96 VMP 3.614 DPA -10.28 RAP 138.51 ECC 1.1285
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 42 40 1872.27 -10.06 20.86 15.72 116.61 8 13 52 1272.3 -6.41 14.09
 90.00 18 32 27 4801.13 18.13 206.83 16.82 67.87 19 52 28 4201.1 14.97 199.58
 100.00 9 1 51 1616.81 -10.80 1.69 15.33 118.04 9 28 48 1016.8 -6.97 355.00
 100.00 19 55 57 4531.82 18.90 186.68 16.48 66.40 21 11 29 3931.8 15.55 179.49
 110.00 10 5 10 1418.61 -12.75 345.50 14.18 121.99 10 28 48 818.6 -8.44 339.06
 110.00 21 9 8 4302.78 20.93 168.26 15.44 62.34 22 20 51 3702.8 17.06 161.27

DIFFERENTIAL CORRECTIONS

TDE -.6800 TRA 1.0594 TC3-4.8430 BAU .5564
 RDE -.3277 RRA .6983 RC3-2.2250 FAU .12805
 FDE -2.8214 FRA 4.2957 FC-14.1977 BSP 13036
 BDE .7549 BRA 1.2688 BC3 5.3296 FSP -3753

MID-COURSE EXECUTION ACCURACY

SGT 3744.1 SGR 2015.1 SG3 1141.3
 RRT .9851 RRF .9934 RTF .9866
 SGB 4252.0 R23 .0872 R13 .9907
 SG1 4240.9 SG2 306.0 TMA 28.09

ORBIT DETERMINATION ACCURACY

ST 1542.1 SR 799.1 SS 1988.2
 CRT .9913 CRS -.9901 CST -.9998
 LSA 2637.9 MSA 104.9 SSA 18.2
 EL1 1734.4 EL2 93.4 ALF 27.27

LAUNCH DATE MAY 14 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 486.094

RL 151.19 LAL -.00 LOL 232.53 VL 27.080 GAL 3.70 AZL 91.18 MCA 215.43 SMA 129.82 ECC .17647 INC 1.1754 VI 29.470
 RP 107.67 LAP .68 LOP 87.95 VP 37.985 GAP 2.63 AZP 89.04 TAL 162.26 TAP 17.69 RCA 106.91 APO 152.73 V2 35.195
 RC 101.218 GL -11.18 GP -25.29 ZAL 61.46 ZAP 121.25 ETS 344.80 ZAE 139.11 ETE 209.43 ZAC 125.10 ETC 1.46 CLP-125.01

PLANETOCENTRIC CONIC

C3 8.175 VHL 2.859 DLA -6.97 RAL 167.94 RAD 6567.3 VEL 11.383 PTH 1.97 VMP 3.670 DPA -7.31 RAP 138.68 ECC 1.1345
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 0 52 1805.38 -8.00 17.03 16.17 117.25 8 30 57 1205.4 -4.28 10.32
 90.00 18 14 15 4884.96 20.20 212.11 17.88 69.72 19 35 40 4285.0 17.26 204.67
 100.00 9 18 52 1553.72 -8.76 358.12 15.77 118.69 9 44 46 953.7 -4.86 351.50
 100.00 19 38 55 4611.86 21.00 191.70 17.56 68.23 20 55 47 4011.9 17.86 184.31
 110.00 10 19 30 1363.90 -10.76 342.51 14.56 122.64 10 42 14 763.9 -6.38 336.16
 110.00 20 54 47 4374.45 23.13 172.66 16.54 64.10 22 7 41 3774.4 19.46 165.44

DIFFERENTIAL CORRECTIONS

TDE -.8286 TRA 1.1725 TC3-4.9929 BAU .5829
 RDE -.3017 RRA .6288 RC3-1.8759 FAU .12335
 FDE -3.0041 FRA 4.2299 FC-13.0626 BSP 13640
 BDE .8018 BRA 1.3305 BC3 5.3337 FSP -3668

MID-COURSE EXECUTION ACCURACY

SGT 4063.5 SGR 1768.5 SG3 1109.7
 RRT .9840 RRF .9902 RTF .9875
 SGB 4431.7 R23 .0763 R13 .9900
 SG1 4422.2 SG2 289.5 TMA 23.29

ORBIT DETERMINATION ACCURACY

ST 1808.0 SR 715.2 SS 2075.8
 CRT .9876 CRS -.9872 CST -.9999
 LSA 2842.0 MSA 109.7 SSA 17.8
 EL1 1941.5 EL2 104.7 ALF 21.40

LAUNCH DATE MAY 14 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 492.313

RL 151.19 LAL -.00 LOL 232.53 VL 27.068 GAL 3.85 AZL 91.39 MCA 218.66 SMA 129.73 ECC .17811 INC 1.3893 VI 29.470
 RP 107.65 LAP .87 LOP 91.19 VP 37.984 GAP 3.04 AZP 88.92 TAL 161.72 TAP 20.38 RCA 106.63 APO 152.84 V2 35.204
 RC 103.470 GL -12.91 GP -22.78 ZAL 60.67 ZAP 125.27 ETS 344.18 ZAE 138.00 ETE 204.96 ZAC 125.56 ETC 3.04 CLP-128.78

PLANETOCENTRIC CONIC

C3 8.584 VHL 2.930 DLA -8.96 RAL 168.17 RAD 6567.3 VEL 11.401 PTH 1.97 VMP 3.756 DPA -4.77 RAP 138.96 ECC 1.1413
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 17 19 1750.77 -6.28 13.94 16.97 117.67 8 46 30 1150.8 -2.53 7.27
 90.00 17 59 36 4957.93 21.85 216.83 19.23 71.53 19 22 14 4357.9 19.12 209.21
 100.00 9 34 18 1502.45 -7.07 355.25 16.55 119.12 9 59 20 902.4 -3.13 348.67
 100.00 19 25 19 4681.48 22.69 196.18 18.92 70.00 20 43 20 4081.5 19.76 188.61
 110.00 10 32 35 1319.93 -9.14 340.14 15.29 123.08 10 54 35 719.9 -4.72 333.84
 110.00 20 43 31 4436.77 24.93 176.60 17.92 65.82 21 57 28 3836.8 21.45 169.18

DIFFERENTIAL CORRECTIONS

TDE -.9740 TRA 1.2873 TC3-5.0762 BAU .6102
 RDE -.2702 RRA .5710 RC3-1.5824 FAU .11708
 FDE -3.1070 FRA 4.1310 FC-11.8079 BSP 14291
 BDE 1.0108 BRA 1.4083 BC3 5.3171 FSP -3533

MID-COURSE EXECUTION ACCURACY

SGT 4355.6 SGR 1554.5 SG3 1064.1
 RRT .9814 RRF .9856 RTF .9880
 SGB 4624.7 R23 .0622 R13 .9895
 SG1 4616.1 SG2 281.3 TMA 19.38

ORBIT DETERMINATION ACCURACY

ST 2054.4 SR 628.4 SS 2127.3
 CRT .9823 CRS -.9825 CST -.9999
 LSA 3021.1 MSA 114.9 SSA 17.5
 EL1 2145.4 EL2 112.9 ALF 16.77

LAUNCH DATE MAY 14 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 498.510

RL 151.19 LAL -.00 LOL 232.53 VL 27.054 GAL 4.01 AZL 91.58 MCA 221.90 SMA 129.64 ECC .17995 INC 1.5750 VI 29.470
 RP 107.62 LAP 1.05 LOP 94.42 VP 37.982 GAP 3.46 AZP 88.83 TAL 161.15 TAP 23.04 RCA 106.31 APO 152.97 V2 35.212
 RC 105.723 GL -14.29 GP -20.60 ZAL 59.83 ZAP 129.02 ETS 345.72 ZAE 136.73 ETE 201.32 ZAC 125.70 ETC 4.51 CLP-132.27

PLANETOCENTRIC CONIC

C3 9.034 VHL 3.006 DLA -10.64 RAL 168.58 RAD 6567.3 VEL 11.420 PTH 1.98 VMP 3.864 DPA -2.62 RAP 139.38 ECC 1.1487
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 32 30 1705.65 -4.85 11.39 18.05 117.93 9 0 55 1105.6 -1.08 4.75
 90.00 17 47 44 5022.59 23.18 221.10 20.80 73.27 19 11 27 4422.6 20.67 213.53
 100.00 9 48 32 1460.33 -5.67 352.91 17.60 119.40 10 12 52 860.3 -1.71 346.36
 100.00 19 14 23 4743.14 24.07 200.24 20.50 71.72 20 33 26 4143.1 21.35 192.50
 110.00 10 44 44 1284.31 -7.81 338.24 16.28 123.39 11 6 9 684.3 -3.36 331.97
 110.00 20 34 40 4491.92 26.42 180.20 19.53 67.47 21 49 32 3891.9 23.13 172.58

DIFFERENTIAL CORRECTIONS

TDE -1.1158 TRA 1.4047 TC3-5.1005 BAU .6369
 RDE -.2362 RRA .5229 RC3-1.3370 FAU .10978
 FDE -3.1471 FRA 4.0126 FC-10.5197 BSP 14946
 BDE 1.1405 BRA 1.4989 BC3 5.2728 FSP -3363

MID-COURSE EXECUTION ACCURACY

SGT 4620.4 SGR 1370.1 SG3 1009.6
 RRT .9770 RRF .9792 RTF .9882
 SGB 4819.3 R23 .0474 R13 .9891
 SG1 4811.1 SG2 280.3 TMA 16.21

ORBIT DETERMINATION ACCURACY

ST 2280.4 SR 544.0 SS 2150.3
 CRT .9743 CRS -.9752 CST -.9999
 LSA 3178.9 MSA 120.0 SSA 17.3
 EL1 2341.4 EL2 119.3 ALF 13.12

LAUNCH DATE MAY 14 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 504.686

RL 151.19 LAL -.00 LOL 232.53 VL 27.039 GAL 4.19 AZL 91.74 MCA 225.14 SMA 129.54 ECC .18199 INC 1.7388 V1 29.470
 RP 107.60 LAP 1.23 LOP 97.65 VP 37.978 GAP 3.87 AZP 88.77 TAL 160.53 TAP 25.67 RCA 105.96 APO 153.11 V2 35.220
 RC 107.975 GL -15.37 GP -18.71 ZAL 58.92 ZAP 132.50 ETS 343.37 ZAE 135.41 ETE 198.37 ZAC 125.57 ETC 5.85 CLP-135.50

PLANETOCENTRIC CONIC

C3 9.527 VML 3.087 CLA -12.07 RAL 169.15 RAD 6567.3 VEL 11.442 PTH 1.98 VMP 3.992 OPA -.81 RAP 139.94 ECC 1.1568
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 46 40 1668.11 -3.65 9.29 19.34 118.10 9 14 28 1068.1 .14 2.65
 90.00 17 38 7 5080.76 24.27 225.02 22.55 74.94 19 2 48 4480.8 21.96 217.10
 100.00 10 1 51 1425.55 -4.50 350.98 18.87 119.58 10 25 37 825.5 -.53 344.45
 100.00 19 5 37 4798.56 25.20 203.97 22.26 73.37 20 25 36 4198.6 22.68 196.07
 110.00 10 56 11 1255.39 -6.72 336.70 17.50 123.59 11 17 7 655.4 -2.26 330.46
 110.00 20 27 46 4541.49 27.67 183.51 21.32 69.07 21 43 28 3941.5 24.57 175.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.2546 TRA 1.5251 TC3-5.0790 BAU .6628 SGT 4861.7 SGR 1213.0 SG3 951.1 ST 2487.4 SR 465.2 SS 2152.1
 RDE -.2018 RRA .4829 RC3-1.1348 FAU .10212 RRT .9704 RRF .9703 RTF .9882 CRT .9621 CRS -.9635 CST -.9999
 FDE-3.1413 FRA 3.8840 FC3-9.2799 BSP 15599 SGB 5010.7 R23 .0332 R13 .9888 LSA 3319.5 MSA 124.9 SSA 17.1
 BDE 1.2708 BRA 1.5997 BC3 5.2042 FSP -3179 SG1 5002.6 SG2 284.6 TMA 13.66 EL1 2527.5 EL2 124.8 ALF 10.23

LAUNCH DATE MAY 14 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 510.840

RL 151.19 LAL -.00 LOL 232.53 VL 27.022 GAL 4.38 AZL 91.89 MCA 228.38 SMA 129.43 ECC .18424 INC 1.8853 V1 29.470
 RP 107.58 LAP 1.41 LOP 100.89 VP 37.973 GAP 4.29 AZP 88.75 TAL 159.89 TAP 28.26 RCA 105.58 APO 153.27 V2 35.227
 RC 110.226 GL -16.23 GP -17.06 ZAL 57.96 ZAP 135.72 ETS 343.08 ZAE 134.10 ETE 195.97 ZAC 125.19 ETC 7.05 CLP-138.50

PLANETOCENTRIC CONIC

C3 10.065 VML 3.172 CLA -13.31 RAL 169.85 RAD 6567.4 VEL 11.465 PTH 1.99 VMP 4.137 OPA .70 RAP 140.64 ECC 1.1656
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 0 3 1636.84 -2.65 7.54 20.82 118.20 9 27 20 1036.8 1.14 .91
 90.00 17 30 20 5133.77 25.15 228.64 24.45 76.55 18 55 53 4533.8 23.06 220.60
 100.00 10 14 27 1396.81 -3.54 349.40 20.32 119.70 10 37 44 796.8 .44 342.87
 100.00 18 58 37 4849.03 26.14 207.42 24.17 74.96 20 19 28 4249.0 23.82 199.39
 110.00 11 7 4 1232.00 -5.84 335.47 18.89 123.74 11 27 36 632.0 -1.37 329.24
 110.00 20 22 29 4586.61 28.73 186.59 23.27 70.62 21 38 56 3986.6 25.81 178.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.3881 TRA 1.6517 TC3-5.0089 BAU .6864 SGT 5077.6 SGR 1079.1 SG3 890.6 ST 2672.0 SR 392.7 SS 2133.4
 RDE -.1671 RRA .4502 RC3 -.9653 FAU .09409 RRT .9608 RRF .9584 RTF .9880 CRT .9422 CRS -.9443 CST -.9999
 FDE-3.0940 FRA 3.7586 FC3-8.0934 BSP 16185 SGB 5191.0 R23 .0213 R13 .9883 LSA 3439.2 MSA 130.3 SSA 17.0
 BDE 1.3981 BRA 1.7120 BC3 5.1011 FSP -2978 SG1 5182.7 SG2 293.0 TMA 11.58 EL1 2697.6 EL2 130.3 ALF 7.90

LAUNCH DATE MAY 14 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 516.969

RL 151.19 LAL -.00 LOL 232.53 VL 27.005 GAL 4.59 AZL 92.02 MCA 231.62 SMA 129.31 ECC .18670 INC 2.0177 V1 29.470
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.967 GAP 4.71 AZP 88.75 TAL 159.21 TAP 30.83 RCA 105.17 APO 153.45 V2 35.233
 RC 112.475 GL -16.88 GP -15.62 ZAL 56.94 ZAP 138.71 ETS 342.83 ZAE 132.84 ETE 194.03 ZAC 124.60 ETC 8.11 CLP-141.28

PLANETOCENTRIC CONIC

C3 10.652 VML 3.264 CLA -14.38 RAL 170.67 RAD 6567.4 VEL 11.491 PTH 2.00 VMP 4.295 OPA 1.95 RAP 141.49 ECC 1.1753
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 12 47 1610.90 -1.81 6.09 22.45 118.26 9 39 38 1010.9 1.98 359.46
 90.00 17 24 5 5182.59 25.88 232.03 26.48 78.10 18 50 28 4582.6 23.98 223.88
 100.00 10 26 27 1373.22 -2.74 348.10 21.93 119.78 10 49 20 773.2 1.24 341.58
 100.00 18 53 7 4895.49 26.92 210.66 26.22 76.49 20 14 42 4295.5 24.79 202.50
 110.00 11 17 30 1213.31 -5.13 334.49 20.45 123.84 11 37 43 613.3 -.65 328.26
 110.00 20 18 33 4628.16 29.63 189.49 25.35 72.12 21 35 41 4028.2 26.90 181.37

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.5204 TRA 1.7815 TC3-4.9131 BAU .7095 SGT 5275.8 SGR 966.3 SG3 831.5 ST 2841.0 SR 329.2 SS 2105.7
 RDE -.1339 RRA .4226 RC3 -.8275 FAU .08652 RRT .9480 RRF .9429 RTF .9878 CRT .9107 CRS -.9135 CST -.9999
 FDE-3.0291 FRA 3.6302 FC3-7.0319 BSP 16782 SGB 5363.5 R23 .0106 R13 .9879 LSA 3549.0 MSA 135.2 SSA 16.8
 BDE 1.5263 BRA 1.8310 BC3 4.9823 FSP -2790 SG1 5355.0 SG2 303.0 TMA 9.88 EL1 2856.8 EL2 135.2 ALF 6.04

LAUNCH DATE MAY 14 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 523.074

RL 151.19 LAL -.00 LOL 232.53 VL 26.987 GAL 4.82 AZL 92.14 MCA 234.86 SMA 129.18 ECC .18938 INC 2.1388 V1 29.470
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.959 GAP 5.14 AZP 88.77 TAL 158.50 TAP 33.36 RCA 104.72 APO 153.65 V2 35.239
 RC 114.720 GL -17.38 GP -14.36 ZAL 55.88 ZAP 141.48 ETS 342.58 ZAE 131.65 ETE 192.45 ZAC 123.81 ETC 9.04 CLP-143.87

PLANETOCENTRIC CONIC

C3 11.295 VML 3.361 CLA -15.32 RAL 171.57 RAD 6567.4 VEL 11.519 PTH 2.01 VMP 4.467 OPA 2.96 RAP 142.47 ECC 1.1859
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 24 56 1589.57 -1.12 4.90 24.21 118.30 9 51 25 989.6 2.67 358.27
 90.00 17 19 11 5227.95 26.48 235.22 28.62 79.59 18 46 19 4628.0 24.78 226.97
 100.00 10 37 54 1354.11 -2.09 347.05 23.68 119.83 11 0 29 754.1 1.89 340.53
 100.00 18 48 53 4938.65 27.57 213.70 28.38 77.96 20 11 12 4338.6 25.63 205.43
 110.00 11 27 31 1198.72 -4.58 333.72 22.13 123.91 11 47 30 598.7 -.09 327.50
 110.00 20 15 46 4666.80 30.41 192.23 27.56 73.57 21 33 33 4066.8 27.86 183.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6499 TRA 1.9176 TC3-4.7882 BAU .7310 SGT 5455.3 SGR 871.3 SG3 774.6 ST 2992.5 SR 274.4 SS 2068.6
 RDE -.1019 RRA .3998 RC3 -.7127 FAU .07924 RRT .9312 RRF .9232 RTF .9874 CRT .8590 CRS -.8626 CST -.9999
 FDE-2.9477 FRA 3.5086 FC3-6.0731 BSP 17347 SGB 5524.4 R23 .0017 R13 .9875 LSA 3645.5 MSA 140.2 SSA 16.6
 BDE 1.6531 BRA 1.9589 BC3 4.8410 FSP -2608 SG1 5515.5 SG2 314.2 TMA 8.49 EL1 3001.8 EL2 140.1 ALF 4.51

LAUNCH DATE MAY 14 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 529.153

RL 151.19 LAL -.00 LOL 232.53 VL 26.967 GAL 5.06 AZL 92.25 MCA 238.10 SMA 129.05 ECC .19229 INC 2.2507 V1 29.470
 RP 107.52 LAP 1.91 LOP 110.61 VP 37.990 GAP 5.57 AZP 88.81 TAL 157.76 TAP 35.86 RCA 104.24 APO 153.87 V2 35.244
 RC 116.961 GL -17.73 GP -13.25 ZAL 54.78 ZAP 144.06 ETS 342.33 ZAE 130.54 ETE 191.15 ZAC 122.86 ETC 9.83 CLP-146.28

PLANETOCENTRIC CONIC

C3 12.000 VHL 3.464 DLA -16.14 RAL 172.56 RAD 6567.5 VEL 11.549 PTH 2.02 VMP 4.650 DPA 3.77 RAP 143.57 ECC 1.1975
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 36 34 1572.39 -.57 3.94 26.10 118.31 10 2 46 972.4 3.22 357.31
 90.00 17 15 25 5270.43 26.97 238.23 30.87 81.02 18 43 16 4670.4 25.45 229.90
 100.00 10 48 54 1339.00 -1.58 346.22 25.54 119.85 11 11 13 739.0 2.40 339.70
 100.00 18 45 46 4979.06 28.11 216.58 30.65 79.39 20 8 45 4379.1 26.36 208.22
 110.00 11 37 10 1187.78 -4.16 333.14 23.93 123.96 11 56 58 587.8 .33 326.93
 110.00 20 13 59 4703.04 31.07 194.84 29.87 74.98 21 32 22 4103.0 28.70 186.45

DIFFERENTIAL CORRECTIONS

TOE-1.7770 TRA 2.0604 TC3-4.6405 BAU .7511
 RDE -.0709 RRA .3807 RC3 -.6170 FAU .07238
 FDE-2.8559 FRA 3.3939 FC3-5.2218 BSP 17874
 BDE 1.7784 BRA 2.0953 BC3 4.6813 FSP -2435

MID-COURSE EXECUTION ACCURACY

SGT 5617.9 SGR 791.4 SG3 720.5
 RRT .9098 RRF .8988 RTF .9871
 SGB 5673.4 R23 -.0056 R13 .9871
 SGI 5664.0 SG2 325.7 TMA 7.33

ORBIT DETERMINATION ACCURACY

ST 3127.3 SR 229.4 SS 2024.5
 CRT .7743 CRS -.7789 CST -.9999
 LSA 3729.6 MSA 145.2 SSA 16.5
 EL1 3132.4 EL2 144.9 ALF 3.26

LAUNCH DATE MAY 14 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 535.205

RL 151.19 LAL -.00 LOL 232.53 VL 26.947 GAL 5.32 AZL 92.35 MCA 241.35 SMA 128.91 ECC .19545 INC 2.3549 V1 29.470
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.940 GAP 6.00 AZP 88.87 TAL 156.99 TAP 38.34 RCA 103.72 APO 154.11 V2 35.248
 RC 119.197 GL -17.97 GP -12.28 ZAL 53.65 ZAP 146.46 ETS 342.06 ZAE 129.52 ETE 190.08 ZAC 121.76 ETC 10.50 CLP-148.55

PLANETOCENTRIC CONIC

C3 12.776 VHL 3.574 DLA -16.86 RAL 173.61 RAD 6567.5 VEL 11.583 PTH 2.03 VMP 4.843 DPA 4.40 RAP 144.79 ECC 1.2103
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 47 43 1558.97 -.14 3.19 28.09 118.32 10 13 42 959.0 3.65 356.56
 90.00 17 12 41 5310.46 27.36 241.10 33.22 82.41 18 41 11 4710.5 26.03 232.68
 100.00 10 59 27 1327.51 -1.19 345.59 27.51 119.87 11 21 35 727.5 2.79 339.07
 100.00 18 43 38 5017.15 28.56 219.32 33.01 80.77 20 7 15 4417.2 26.99 210.87
 110.00 11 46 30 1180.14 -3.87 332.74 25.84 123.99 12 6 10 580.1 .62 326.53
 110.00 20 13 5 4737.29 31.65 197.35 32.29 76.36 21 32 2 4137.3 29.45 188.83

DIFFERENTIAL CORRECTIONS

TOE-1.8993 TRA 2.2145 TC3-4.4621 BAU .7676
 RDE -.0406 RRA .3653 RC3 -.5344 FAU .06562
 FDE-2.7531 FRA 3.2937 FC3-4.4469 BSP 18279
 BDE 1.8997 BRA 2.2444 BC3 4.4940 FSP -2257

MID-COURSE EXECUTION ACCURACY

SGT 5762.2 SGR 724.2 SG3 669.4
 RRT .8833 RRF .8693 RTF .9866
 SGB 5807.5 R23 -.0110 R13 .9865
 SGI 5797.7 SG2 337.4 TMA 6.36

ORBIT DETERMINATION ACCURACY

ST 3242.9 SR 195.1 SS 1972.7
 CRT .6379 CRS -.6439 CST -.9999
 LSA 3797.8 MSA 150.5 SSA 16.3
 EL1 3245.3 EL2 150.1 ALF 2.20

LAUNCH DATE MAY 14 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 541.227

RL 151.19 LAL -.00 LOL 232.53 VL 26.926 GAL 5.60 AZL 92.45 MCA 244.59 SMA 128.77 ECC .19885 INC 2.4530 V1 29.470
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.928 GAP 6.44 AZP 88.95 TAL 156.20 TAP 40.80 RCA 103.17 APO 154.38 V2 35.252
 RC 121.426 GL -18.10 GP -11.42 ZAL 52.50 ZAP 148.71 ETS 341.75 ZAE 128.57 ETE 189.18 ZAC 120.53 ETC 11.06 CLP-150.67

PLANETOCENTRIC CONIC

C3 13.629 VHL 3.692 DLA -17.49 RAL 174.73 RAD 6567.5 VEL 11.620 PTH 2.04 VMP 5.047 DPA 4.87 RAP 146.10 ECC 1.2243
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 58 25 1549.04 .19 2.64 30.18 118.32 10 24 14 949.0 3.97 356.00
 90.00 17 10 30 5348.38 27.67 243.83 35.64 83.74 18 39 59 4748.4 26.52 235.35
 100.00 11 9 36 1319.38 -.92 345.15 29.57 119.88 11 31 35 719.4 3.07 338.62
 100.00 18 42 21 5053.27 28.92 221.95 35.47 82.10 20 6 34 4453.3 27.53 213.42
 110.00 11 55 30 1175.55 -3.70 332.50 27.83 124.01 12 15 6 575.6 .79 326.30
 110.00 20 12 56 4769.86 32.15 199.76 34.80 77.07 21 32 26 4169.9 30.12 191.13

DIFFERENTIAL CORRECTIONS

TOE-2.0239 TRA 2.3729 TC3-4.2813 BAU .7847
 RDE -.0119 RRA .3517 RC3 -.4662 FAU .05969
 FDE-2.6560 FRA 3.1949 FC3-3.7919 BSP 18749
 BDE 2.0239 BRA 2.3988 BC3 4.3066 FSP -2107

MID-COURSE EXECUTION ACCURACY

SGT 5896.5 SGR 668.1 SG3 622.2
 RRT .8519 RRF .8346 RTF .9861
 SGB 5934.2 R23 -.0161 R13 .9860
 SGI 5924.0 SG2 348.2 TMA 5.53

ORBIT DETERMINATION ACCURACY

ST 3349.2 SR 173.0 SS 1922.4
 CRT .4453 CRS -.4523 CST -.9999
 LSA 3862.4 MSA 155.3 SSA 16.1
 EL1 3350.0 EL2 154.8 ALF 1.32

LAUNCH DATE MAY 14 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 547.219

RL 151.19 LAL -.00 LOL 232.53 VL 26.904 GAL 5.90 AZL 92.55 MCA 247.84 SMA 128.63 ECC .20252 INC 2.5459 V1 29.470
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.915 GAP 6.89 AZP 89.04 TAL 155.39 TAP 43.23 RCA 102.58 APO 154.68 V2 35.255
 RC 123.648 GL -18.14 GP -10.66 ZAL 51.32 ZAP 150.81 ETS 341.39 ZAE 127.70 ETE 188.43 ZAC 119.20 ETC 11.54 CLP-152.67

PLANETOCENTRIC CONIC

C3 14.571 VHL 3.817 DLA -18.05 RAL 175.88 RAD 6567.6 VEL 11.660 PTH 2.05 VMP 5.262 DPA 5.20 RAP 147.51 ECC 1.2398
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 8 40 1542.39 .40 2.27 32.35 118.31 10 34 22 942.4 4.18 355.63
 90.00 17 9 49 5384.47 27.91 246.44 38.15 85.03 18 39 34 4784.5 26.93 237.91
 100.00 11 19 19 1314.41 -.75 344.87 31.71 119.88 11 41 13 714.4 3.24 338.35
 100.00 18 41 51 5087.68 29.22 224.46 38.00 83.39 20 6 39 4487.7 28.00 215.87
 110.00 12 4 11 1173.83 -3.63 332.41 29.91 124.01 12 23 45 573.8 .86 326.21
 110.00 20 13 28 4801.03 32.58 202.09 37.40 79.02 21 33 29 4201.0 30.72 193.36

DIFFERENTIAL CORRECTIONS

TOE-2.1473 TRA 2.5410 TC3-4.0870 BAU .8001
 RDE .0161 RRA .3401 RC3 -.4075 FAU .05416
 FDE-2.5585 FRA 3.1061 FC3-3.2178 BSP 19177
 BDE 2.1474 BRA 2.5637 BC3 4.1073 FSP -1966

MID-COURSE EXECUTION ACCURACY

SGT 6018.0 SGR 621.0 SG3 578.5
 RRT .8153 RRF .7948 RTF .9856
 SGB 6049.9 R23 -.0201 R13 .9855
 SGI 6039.3 SG2 358.4 TMA 4.83

ORBIT DETERMINATION ACCURACY

ST 3441.7 SR 163.1 SS 1869.9
 CRT .2084 CRS -.2161 CST -.9999
 LSA 3917.0 MSA 160.0 SSA 15.9
 EL1 3441.9 EL2 159.6 ALF .57

LAUNCH DATE MAY 14 1967

FLIGHT TIME 200.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 553.177

RL 151.19 LAL -1.00 LOL 232.53 VL 26.882 GAL 6.22 AZL 92.63 MCA 251.09 SMA 128.4H ECC .20648 INC 2.6346 V1 29.470
 RP 107.4H LAP 2.49 LOP 123.60 VP 37.902 GAP 7.35 AZP 89.15 TAL 154.55 TAP 45.64 RCA 101.95 APO 155.01 V2 35.257
 RC 125.861 GL -18.11 GP -9.99 ZAL 50.12 ZAP 152.79 ETS 340.97 ZAE 126.91 ETE 187.80 ZAC 117.76 ETC 11.92 CLP-154.56

PLANETOCENTRIC CONIC

C3 15.613 VHL 3.951 CLA -18.53 RAL 177.07 RAD 6567.6 VEL 11.705 PTH 2.06 VHP 5.487 OPA 5.41 RAP 148.99 ECC 1.2570
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 18 28 1538.86 .51 2.07 34.59 118.31 10 44 7 938.9 4.29 355.43
 90.00 17 9 32 5418.95 28.09 248.95 40.73 86.28 18 39 51 4818.9 27.28 240.38
 100.00 11 28 38 1312.42 -.68 344.76 33.93 119.89 11 50 31 712.4 3.30 338.24
 100.00 18 42 3 5120.62 29.45 226.88 40.61 84.65 20 7 23 4520.6 28.40 218.24
 110.00 12 12 34 1174.80 -3.67 332.46 32.07 124.01 12 32 8 574.8 .82 326.26
 110.00 20 14 37 4831.01 32.94 204.35 40.07 80.31 21 35 8 4231.0 31.26 195.53

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TCE-2.2697 TRA 2.7197 TC3-3.8819 BAU .8137 SGT 6127.2 SGR 581.6 SG3 538.0 ST 3520.9 SR 164.3 SS 1816.3
 RDE .0435 RRA .3301 RC3 -.3566 FAU .04901 RRT .7736 RRF .7500 RTF .9851 CRT -.0309 CRS .0229 CST -.9999
 FDE-2.4622 FRA 3.0259 FC3-2.7174 BSP 19567 SGB 6154.7 R23 -.0234 R13 .9850 LSA 3961.8 MSA 164.7 SSA 15.8
 BDE 2.2701 BRA 2.7396 BC3 3.8983 FSP -1835 SG1 6143.7 SG2 367.5 THA 4.21 EL1 3520.9 EL2 164.2 ALF 179.92

LAUNCH DATE MAY 14 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 559.099

RL 151.19 LAL -1.00 LOL 232.53 VL 26.859 GAL 6.57 AZL 92.72 MCA 254.33 SMA 128.32 ECC .21074 INC 2.7199 V1 29.470
 RP 107.4H LAP 2.62 LOP 126.85 VP 37.887 GAP 7.82 AZP 89.27 TAL 153.70 TAP 48.03 RCA 101.28 APO 155.37 V2 35.258
 RC 128.066 GL -18.01 GP -9.39 ZAL 48.92 ZAP 154.66 ETS 340.49 ZAE 126.18 ETE 187.25 ZAC 116.24 ETC 12.24 CLP-156.36

PLANETOCENTRIC CONIC

C3 16.769 VHL 4.095 CLA -18.95 RAL 178.29 RAD 6567.7 VEL 11.754 PTH 2.07 VHP 5.723 OPA 5.50 RAP 150.55 ECC 1.2760
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 27 48 1538.33 .53 2.04 36.91 118.31 10 53 27 938.3 4.31 355.40
 90.00 17 9 55 5452.01 28.21 251.36 43.38 87.48 18 40 47 4852.0 27.57 242.75
 100.00 11 37 32 1313.30 -.71 344.81 36.22 119.88 11 59 26 713.3 3.27 338.29
 100.00 18 42 52 5152.27 29.63 229.22 43.28 85.86 20 8 45 4552.3 28.74 220.53
 110.00 12 20 37 1178.34 -3.80 332.65 34.29 124.00 12 40 15 578.3 .69 326.44
 110.00 20 16 18 4860.00 33.25 206.55 42.82 81.58 21 37 18 4260.0 31.73 197.66

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TCE-2.3324 TRA 2.9087 TC3-3.6699 BAU .8257 SGT 6225.4 SGR 548.4 SG3 500.7 ST 3588.8 SR 173.5 SS 1763.0
 RDE .0705 RRA .3211 RC3 -.3121 FAU .04424 RRT .7272 RRF .7007 RTF .9846 CRT -.2335 CRS .2258 CST -.9999
 FDE-2.3694 FRA 2.9533 FC3-2.2838 BSP 19930 SGB 6249.5 R23 -.0260 R13 .9845 LSA 3998.6 MSA 169.2 SSA 15.5
 BDE 2.3934 BRA 2.9264 BC3 3.6832 FSP -1713 SG1 6238.2 SG2 375.7 THA 3.68 EL1 3589.0 EL2 168.7 ALF 179.35

LAUNCH DATE MAY 14 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 564.983

RL 151.19 LAL -1.00 LOL 232.53 VL 26.836 GAL 6.93 AZL 92.80 MCA 257.58 SMA 128.17 ECC .21533 INC 2.8026 V1 29.470
 RP 107.4H LAP 2.74 LOP 130.10 VP 37.871 GAP 8.30 AZP 89.40 TAL 152.83 TAP 50.41 RCA 100.57 APO 155.77 V2 35.259
 RC 130.261 GL -17.85 GP -8.86 ZAL 47.71 ZAP 156.43 ETS 339.91 ZAE 125.51 ETE 186.79 ZAC 114.64 ETC 12.50 CLP-158.07

PLANETOCENTRIC CONIC

C3 18.053 VHL 4.249 CLA -19.32 RAL 179.53 RAD 6567.7 VEL 11.808 PTH 2.09 VHP 5.970 OPA 5.49 RAP 152.17 ECC 1.2971
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 36 42 1540.69 .46 2.18 39.28 118.31 11 2 22 940.7 4.24 355.54
 90.00 17 10 56 5483.81 28.29 253.68 46.09 88.64 18 42 19 4883.8 27.80 245.05
 100.00 11 46 2 1316.94 -.83 345.01 38.56 119.88 12 7 59 716.9 3.15 338.49
 100.00 18 44 16 5182.80 29.76 231.48 46.02 87.05 20 10 39 4582.8 29.03 222.75
 110.00 12 28 20 1184.36 -4.03 332.97 36.56 123.97 12 48 5 584.4 .46 326.76
 110.00 20 18 27 4888.13 33.51 208.71 45.63 82.84 21 39 55 4288.1 32.16 199.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TCE-2.5123 TRA 3.1131 TC3-3.4465 BAU .8344 SGT 6312.2 SGR 520.7 SG3 466.2 ST 3642.3 SR 188.0 SS 1707.9
 RDE .0974 RRA .3132 RC3 -.2725 FAU .03966 RRT .6765 RRF .6479 RTF .9841 CRT -.3876 CRS .3801 CST -.9999
 FDE-2.2763 FRA 2.8923 FC3-1.9017 BSP 20182 SGB 6333.6 R23 -.0276 R13 .9840 LSA 4023.4 MSA 173.8 SSA 15.3
 BDE 2.5142 BRA 3.1288 BC3 3.4572 FSP -1592 SG1 6322.1 SG2 382.8 THA 3.21 EL1 3643.0 EL2 173.3 ALF 178.85

LAUNCH DATE MAY 14 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 570.823

RL 151.19 LAL -1.00 LOL 232.53 VL 26.812 GAL 7.33 AZL 92.88 MCA 260.83 SMA 128.01 ECC .22027 INC 2.8832 V1 29.470
 RP 107.4H LAP 2.85 LOP 133.35 VP 37.854 GAP 8.80 AZP 89.54 TAL 151.95 TAP 52.78 RCA 99.81 APO 156.21 V2 35.259
 RC 132.447 GL -17.64 GP -8.38 ZAL 46.50 ZAP 158.11 ETS 339.24 ZAE 124.90 ETE 186.38 ZAC 112.98 ETC 12.71 CLP-159.70

PLANETOCENTRIC CONIC

C3 19.482 VHL 4.414 CLA -19.63 RAL 180.79 RAD 6567.8 VEL 11.869 PTH 2.11 VHP 6.230 OPA 5.40 RAP 153.84 ECC 1.3206
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 45 7 1545.87 .29 2.46 41.70 118.32 11 10 53 945.9 4.07 355.83
 90.00 17 12 30 5514.47 28.32 255.93 48.85 89.77 18 44 24 4914.5 27.98 247.28
 100.00 11 54 6 1323.25 -1.05 345.36 40.95 119.88 12 16 9 723.3 2.94 338.84
 100.00 18 46 12 5212.32 29.84 233.67 48.82 88.20 20 13 4 4612.3 29.27 224.91
 110.00 12 35 44 1192.78 -4.35 333.41 38.90 123.94 12 55 37 592.8 .13 327.19
 110.00 20 21 3 4915.56 33.73 210.82 48.51 84.07 21 42 58 4315.6 32.54 201.79

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TCE-2.6365 TRA 3.3262 TC3-3.2277 BAU .8430 SGT 6391.0 SGR 497.1 SG3 434.6 ST 3689.3 SR 204.6 SS 1656.5
 RDE .1240 RRA .3053 RC3 -.2380 FAU .03559 RRT .6222 RRF .5915 RTF .9836 CRT -.4989 CRS .4918 CST -.9999
 FDE-2.1920 FRA 2.8341 FC3-1.5815 BSP 20490 SGB 6410.3 R23 -.0292 R13 .9835 LSA 4045.4 MSA 177.8 SSA 15.0
 BDE 2.6394 BRA 3.3402 BC3 3.2365 FSP -1489 SG1 6398.5 SG2 388.7 THA 2.78 EL1 3690.8 EL2 177.3 ALF 178.41

LAUNCH DATE MAY 14 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC
 RL 151.19 LAL -1.00 LOL 232.53 VL 26.787 GAL 7.75 AZL 92.96 MCA 264.07 SMA 127.85 ECC .22559 INC 2.9624 V1 29.470
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.836 GAP 9.31 AZP 89.69 TAL 151.06 TAP 55.13 RCA 99.01 APO 156.69 V2 35.258
 RC 134.624 GL -17.39 GP -7.95 ZAL 45.29 ZAP 159.70 ETS 338.46 ZAE 124.33 ETE 186.03 ZAC 111.27 ETC 12.88 CLP-161.27

PLANETOCENTRIC CONIC
 C3 21.077 VHL 4.591 OLA -19.89 RAL 182.04 RAD 6567.9 VEL 11.936 PTH 2.12 VHP 6.502 DPA 5.22 RAP 155.56 ECC 1.3469
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 53 4 1553.79 .03 2.91 44.16 118.32 11 18 58 953.8 3.82 356.27
 90.00 17 14 35 5544.11 28.31 258.09 51.66 90.85 18 46 59 4944.1 28.12 249.43
 100.00 12 1 45 1332.16 -1.35 345.85 43.40 119.86 12 23 57 732.2 2.64 339.33
 100.00 18 48 35 5240.96 29.89 235.80 51.67 89.32 20 15 56 4641.0 29.47 227.02
 110.00 12 42 48 1203.50 -4.76 333.97 41.27 123.89 13 2 51 603.5 -1.28 327.75
 110.00 20 24 1 4942.39 33.90 212.90 51.44 85.29 21 46 24 4342.4 32.87 203.81

DIFFERENTIAL CORRECTIONS
 TDE-2.7620 TRA 3.5528 TC3-3.0083 BAU .8497 SGT 6461.0 SGR 477.0 SG3 405.5 ST 3726.8 SR 222.2 SS 1606.4
 RDE .1505 RRA .2976 RC3 -.2073 FAU .03182 RRT .5648 RRF .5325 RTF .9832 CRT -.5790 CRS .5724 CST -.9999
 FDE-2.1121 FRA 2.7829 FC3-1.3069 BSP 20778 SGB 6478.6 R23 -.0302 R13 .9831 LSA 4060.3 MSA 181.6 SSA 14.8
 BDE 2.7661 BRA 3.5653 BC3 3.0155 FSP -1394 SGI 6466.7 SGI 393.3 TMA 2.40 ELI 3729.1 EL2 181.0 ALF 178.02

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 14 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC
 RL 151.19 LAL -1.00 LOL 232.53 VL 26.763 GAL 8.20 AZL 93.04 MCA 267.32 SMA 127.69 ECC .23133 INC 3.0406 V1 29.470
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.817 GAP 9.84 AZP 89.86 TAL 150.16 TAP 57.48 RCA 98.15 APO 157.22 V2 35.256
 RC 136.791 GL -17.09 GP -7.57 ZAL 44.09 ZAP 161.23 ETS 337.54 ZAE 123.80 ETE 185.72 ZAC 109.50 ETC 13.02 CLP-162.77

PLANETOCENTRIC CONIC
 C3 22.862 VHL 4.781 OLA -20.11 RAL 183.30 RAD 6567.9 VEL 12.010 PTH 2.14 VHP 6.788 DPA 4.96 RAP 157.31 ECC 1.3763
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 0 32 1564.38 -1.31 3.50 46.67 118.32 11 26 36 964.4 3.48 356.86
 90.00 17 17 9 5572.82 28.26 260.19 54.53 91.91 18 50 1 4972.8 28.22 251.53
 100.00 12 8 57 1343.60 -1.74 346.47 45.88 119.85 12 31 21 743.6 2.25 339.95
 100.00 18 51 25 5268.83 29.89 237.87 54.56 90.41 20 19 14 4668.8 29.63 229.07
 110.00 12 49 31 1216.48 -5.25 334.65 43.69 123.83 13 9 47 616.5 -1.77 328.43
 110.00 20 27 20 4968.72 34.02 214.94 54.43 86.49 21 50 9 4368.7 33.16 205.81

DIFFERENTIAL CORRECTIONS
 TDE-2.8894 TRA 3.7946 TC3-2.7893 BAU .8543 SGT 6522.9 SGR 459.8 SG3 378.8 ST 3755.5 SR 239.6 SS 1558.0
 RDE .1772 RRA .2898 RC3 -.1799 FAU .02831 RRT .5049 RRF .4715 RTF .9828 CRT -.6374 CRS .6312 CST -.9999
 FDE-2.0368 FRA 2.7384 FC3-1.0720 BSP 21026 SGB 6539.1 R23 -.0308 R13 .9828 LSA 4068.7 MSA 185.0 SSA 14.5
 BDE 2.8948 BRA 3.8056 BC3 2.7951 FSP -1305 SGI 6527.1 SGI 396.6 TMA 2.05 ELI 3758.7 EL2 184.5 ALF 177.67

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 14 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC
 RL 151.19 LAL -1.00 LOL 232.53 VL 26.738 GAL 8.68 AZL 93.12 MCA 270.57 SMA 127.52 ECC .23751 INC 3.1184 V1 29.470
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.797 GAP 10.39 AZP 90.03 TAL 149.25 TAP 59.82 RCA 97.23 APO 157.81 V2 35.254
 RC 138.949 GL -16.76 GP -7.22 ZAL 42.91 ZAP 162.69 ETS 336.46 ZAE 123.31 ETE 185.44 ZAC 107.69 ETC 13.13 CLP-164.23

PLANETOCENTRIC CONIC
 C3 24.863 VHL 4.986 OLA -20.28 RAL 184.55 RAD 6568.0 VEL 12.093 PTH 2.16 VHP 7.090 DPA 4.64 RAP 159.10 ECC 1.4092
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 7 31 1577.58 -1.74 4.23 49.21 118.31 11 33 49 977.6 3.05 357.60
 90.00 17 20 8 5600.70 28.18 262.23 57.43 92.92 18 53 29 5000.7 28.29 253.57
 100.00 12 15 43 1357.50 -2.21 347.24 48.39 119.82 12 38 20 757.5 1.78 340.72
 100.00 18 54 38 5296.02 29.86 239.89 57.50 91.47 20 22 54 4696.0 29.74 231.09
 110.00 12 55 53 1231.63 -5.82 335.45 46.15 123.74 13 16 24 631.6 -1.35 329.22
 110.00 20 30 57 4994.65 34.11 216.96 57.47 87.68 21 54 12 4394.7 33.42 207.79

DIFFERENTIAL CORRECTIONS
 TDE-3.0154 TRA 4.0553 TC3-2.5664 BAU .8546 SGT 6575.2 SGR 445.1 SG3 354.1 ST 3772.6 SR 256.5 SS 1509.8
 RDE .2042 RRA .2817 RC3 -.1552 FAU .02489 RRT .4432 RRF .4095 RTF .9825 CRT -.6804 CRS .6744 CST -.9999
 FDE-1.9629 FRA 2.7026 FC3 -.8668 BSP 21165 SGB 6590.2 R23 -.0308 R13 .9824 LSA 4067.2 MSA 188.4 SSA 14.3
 BDE 3.0223 BRA 4.0650 BC3 2.5711 FSP -1216 SGI 6578.2 SGI 398.8 TMA 1.72 ELI 3776.6 EL2 187.8 ALF 177.34

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 14 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC
 RL 151.19 LAL -1.00 LOL 232.53 VL 26.712 GAL 9.19 AZL 93.20 MCA 273.81 SMA 127.36 ECC .24420 INC 3.1963 V1 29.470
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.776 GAP 10.97 AZP 90.21 TAL 148.34 TAP 62.16 RCA 96.26 APO 158.46 V2 35.251
 RC 141.095 GL -16.40 GP -6.90 ZAL 41.74 ZAP 164.10 ETS 335.18 ZAE 122.85 ETE 185.18 ZAC 105.84 ETC 13.22 CLP-165.64

PLANETOCENTRIC CONIC
 C3 27.114 VHL 5.207 OLA -20.41 RAL 185.79 RAD 6568.1 VEL 12.186 PTH 2.19 VHP 7.409 DPA 4.26 RAP 160.92 ECC 1.4462
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 14 0 1593.33 -1.24 5.11 51.78 118.29 11 40 33 993.3 2.55 358.48
 90.00 17 23 32 5627.82 28.07 264.21 60.37 93.91 18 57 20 5027.8 28.31 255.55
 100.00 12 22 2 1373.80 -2.76 348.13 50.94 119.78 12 44 56 773.8 1.23 341.61
 100.00 18 58 12 5322.59 29.80 241.86 60.48 92.51 20 26 54 4722.6 29.83 233.06
 110.00 13 1 53 1248.91 -6.48 336.36 48.64 123.64 13 22 42 648.9 -2.01 330.12
 110.00 20 34 50 5020.24 34.17 218.96 60.54 88.86 21 58 30 4420.2 33.63 209.76

DIFFERENTIAL CORRECTIONS
 TDE-3.1492 TRA 4.3282 TC3-2.3549 BAU .8550 SGT 6621.5 SGR 432.1 SG3 331.4 ST 3786.5 SR 272.2 SS 1466.0
 RDE .2314 RRA .2728 RC3 -.1335 FAU .02188 RRT .3795 RRF .3458 RTF .9822 CRT -.7137 CRS .7079 CST -.9999
 FDE-1.8978 FRA 2.6692 FC3 -.6987 BSP 21388 SGB 6635.6 R23 -.0307 R13 .9822 LSA 4065.0 MSA 190.9 SSA 14.0
 BDE 3.1577 BRA 4.3368 BC3 2.3586 FSP -1142 SGI 6623.6 SGI 399.6 TMA 1.42 ELI 3791.5 EL2 190.4 ALF 177.06

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 14 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC

DISTANCE 599.206

RL 151.19 LAL -.00 LOL 232.53 VL 26.687 GAL 9.74 AZL 93.27 MCA 277.06 SMA 127.19 ECC .25142 INC 3.2747 V1 29.470
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.754 GAP 11.57 AZP 90.40 TAL 147.44 TAP 64.50 RCA 95.21 APO 159.17 V2 35.247
 RC 143.232 GL -16.02 GP -6.62 ZAL 40.59 ZAP 165.45 ETS 333.66 ZAE 122.42 ETE 184.95 ZAC 103.97 ETC 13.29 CLP-167.01

PLANETOCENTRIC CONIC

C3 29.651 VHL 5.445 DLA -20.51 RAL 187.01 RAD 6568.2 VEL 12.289 PTH 2.21 VMP 7.746 OPA 3.83 RAP 162.75 ECC 1.4880
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 19 59 1611.57 -1.83 6.13 54.38 118.26 11 46 51 1011.6 1.96 359.50
 90.00 17 27 17 5654.24 27.93 266.13 63.34 94.86 19 1 32 5054.2 28.31 257.48
 100.00 12 27 54 1392.43 -3.39 349.16 53.51 119.72 12 51 6 792.4 .59 342.63
 100.00 19 2 4 5348.61 29.70 243.79 63.49 93.52 20 31 13 4748.6 29.88 234.99
 110.00 13 7 31 1268.25 -7.20 337.39 51.16 123.51 13 28 39 668.2 -2.75 331.13
 110.00 20 38 56 5045.55 34.18 220.94 63.65 90.03 22 3 2 4445.6 33.81 211.71

DIFFERENTIAL CORRECTIONS

TDE-3.2867 TRA 4.6196 TC3-2.1467 BAU .8522
 RDE .2589 RRA .2629 RC3 -.1140 FAU .01904
 FDE-1.8371 FRA 2.6417 FC3 -.5560 BSP 21578
 BDE 3.2969 BRA 4.6271 BC3 2.1497 FSP -1072

MID-COURSE EXECUTION ACCURACY

SGT 6660.2 SGR 420.6 SG3 310.4
 RRT .3145 RRF .2813 RTF .9821
 SGB 6673.5 R23 -.0302 R13 .9820
 SGI 6661.5 SG2 399.2 TMA 1.14

ORBIT DETERMINATION ACCURACY

ST 3793.2 SR 286.5 SS 1424.5
 CRT -.7397 CRS .7342 CST -.9999
 LSA 4057.4 MSA 193.1 SSA 13.7
 EL1 3799.2 EL2 192.5 ALF 176.79

LAUNCH DATE MAY 14 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 18 1967

HELIOCENTRIC CONIC

DISTANCE 604.668

RL 151.19 LAL -.00 LOL 232.53 VL 26.661 GAL 10.34 AZL 93.35 MCA 280.30 SMA 127.03 ECC .25925 INC 3.3543 V1 29.470
 RP 107.53 LAP 3.30 LOP 152.85 VP 37.732 GAP 12.21 AZP 90.60 TAL 146.54 TAP 66.85 RCA 94.09 APO 159.96 V2 35.243
 RC 145.356 GL -15.61 GP -6.36 ZAL 39.47 ZAP 166.75 ETS 331.84 ZAE 122.00 ETE 184.74 ZAC 102.07 ETC 13.35 CLP-168.36

PLANETOCENTRIC CONIC

C3 32.520 VHL 5.703 DLA -20.57 RAL 188.21 RAD 6568.3 VEL 12.405 PTH 2.24 VMP 8.105 OPA 3.35 RAP 164.60 ECC 1.5352
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 25 28 1632.20 -2.50 7.28 56.99 118.22 11 52 41 1032.2 1.29 .65
 90.00 17 31 22 5680.02 27.77 267.99 66.34 95.79 19 6 2 5080.0 28.28 259.37
 100.00 12 33 18 1413.32 -4.09 350.31 56.11 119.64 12 56 51 813.3 -.12 343.78
 100.00 19 6 14 5374.14 29.58 245.68 66.53 94.50 20 35 48 4774.1 29.89 236.89
 110.00 13 12 47 1289.59 -8.00 338.52 53.70 123.34 13 34 16 689.6 -3.56 332.25
 110.00 20 43 15 5070.63 34.16 222.90 66.80 91.19 22 7 45 4470.6 33.95 213.66

DIFFERENTIAL CORRECTIONS

TDE-3.4287 TRA 4.9306 TC3-1.9445 BAU .8465
 RDE .2869 RRA .2520 RC3 -.0967 FAU .01639
 FDE-1.7812 FRA 2.6197 FC3 -.4362 BSP 21752
 BDE 3.4407 BRA 4.9371 BC3 1.9469 FSP -1007

MID-COURSE EXECUTION ACCURACY

SGT 6692.0 SGR 410.4 SG3 291.1
 RRT .2484 RRF .2163 RTF .9820
 SGB 6704.5 R23 -.0295 R13 .9820
 SGI 6692.7 SG2 397.5 TMA .88

ORBIT DETERMINATION ACCURACY

ST 3793.6 SR 299.5 SS 1385.5
 CRT -.7606 CRS .7552 CST -.9999
 LSA 4045.0 MSA 194.7 SSA 13.4
 EL1 3800.4 EL2 194.1 ALF 176.55

LAUNCH DATE MAY 14 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 20 1967

HELIOCENTRIC CONIC

DISTANCE 610.036

RL 151.19 LAL -.00 LOL 232.53 VL 26.636 GAL 10.97 AZL 93.44 MCA 283.55 SMA 126.86 ECC .26774 INC 3.4355 V1 29.470
 RP 107.54 LAP 3.34 LOP 156.10 VP 37.709 GAP 12.87 AZP 90.81 TAL 145.66 TAP 69.20 RCA 92.89 APO 160.82 V2 35.237
 RC 147.469 GL -15.19 GP -6.13 ZAL 38.37 ZAP 168.01 ETS 329.63 ZAE 121.59 ETE 184.55 ZAC 100.15 ETC 13.40 CLP-169.67

PLANETOCENTRIC CONIC

C3 33.776 VHL 5.981 DLA -20.59 RAL 189.38 RAD 6568.4 VEL 12.536 PTH 2.27 VMP 8.487 OPA 2.83 RAP 166.46 ECC 1.5888
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 30 27 1655.17 -3.24 8.56 59.62 118.15 11 58 2 1055.2 .55 1.93
 90.00 17 35 45 5705.19 27.58 269.81 69.36 96.68 19 10 50 5105.2 28.22 261.21
 100.00 12 38 14 1436.40 -4.87 351.58 58.72 119.53 13 2 11 836.4 -.90 345.05
 100.00 19 10 38 5399.20 29.43 247.53 69.59 95.47 20 40 38 4799.2 29.88 238.75
 110.00 13 17 39 1312.86 -8.87 339.76 56.26 123.15 13 39 32 712.9 -4.45 333.47
 110.00 20 47 43 5095.50 34.11 224.84 69.96 92.34 22 12 38 4495.5 34.06 215.59

DIFFERENTIAL CORRECTIONS

TDE-3.5759 TRA 5.2633 TC3-1.7480 BAU .8369
 RDE .3155 RRA .2396 RC3 -.0814 FAU .04386
 FDE-1.7295 FRA 2.6036 FC3 -.3354 BSP 21893
 BDE 3.5898 BRA 5.2688 BC3 1.7499 FSP -946

MID-COURSE EXECUTION ACCURACY

SGT 6716.7 SGR 401.2 SG3 273.3
 RRT .1815 RRF .1511 RTF .9821
 SGB 6728.7 R23 -.0283 R13 .9821
 SGI 6717.1 SG2 394.5 TMA .62

ORBIT DETERMINATION ACCURACY

ST 3787.9 SR 311.1 SS 1348.9
 CRT -.7776 CRS .7722 CST -.9999
 LSA 4028.1 MSA 195.8 SSA 13.1
 EL1 3795.6 EL2 195.2 ALF 176.34

LAUNCH DATE MAY 15 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 24 1967

HELIOCENTRIC CONIC

DISTANCE 136.285

RL 151.22 LAL -1.00 LOL 233.50 VL 17.452 GAL 17.40 AZL 91.76 MCA 43.99 SMA 91.49 ECC .69110 INC 1.7598 VI 29.464
 RP 108.82 LAP -1.22 LOP 277.48 VP 31.440 GAP -42.60 A7P 91.27 TAL 171.76 TAP 215.76 RCA 28.26 APO 154.71 V2 34.824
 RC 66.992 GL -2.14 GP 1.80 ZAL 69.31 ZAP 28.69 ETS 185.49 ZAE 145.69 ETE 169.97 ZAC 136.57 ETC 25.21 CLP 28.64

PLANETOCENTRIC CONIC

C3 187.944 VHL 13.709 DLA 4.25 RAL 164.62 RAD 6571.0 VEL 17.586 PTH 2.97 VHP 24.409 DPA 23.02 RAP 129.58 ECC 4.0931
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 19 46 2855.34 -28.31 85.87 65.04 90.79 7 7 21 2255.3 -27.90 77.23
 90.00 19 20 59 5235.53 26.57 235.76 60.71 79.84 20 48 15 4635.5 24.90 227.49
 100.00 7 43 6 2586.55 -29.87 66.07 65.01 91.09 8 26 13 1986.5 -29.40 57.30
 100.00 20 40 21 4979.55 28.12 216.62 60.39 79.41 22 3 20 4379.6 26.37 208.25
 110.00 8 55 55 2358.66 -34.13 48.64 64.88 91.95 9 35 13 1758.7 -33.49 39.45
 110.00 21 44 1 4780.20 32.30 200.53 59.43 78.14 23 3 41 4180.2 30.33 191.86

DIFFERENTIAL CORRECTIONS

TOE .6749 TRA-1.6669 TC3 -.1075 BAU .2731
 RDE -.9580 RRA -.5038 RC3 .0161 FAU .01335
 FDE -.3221 FRA .6192 FC3 -.0615 BSP 2063
 BDE 1.1719 BRA 1.7414 BC3 .1087 FSP -60

MID-COURSE EXECUTION ACCURACY

SGT 809.0 SGR 454.8 SG3 29.2
 RRT .0586 RRF -.0542 RTF -.6211
 SGB 928.0 R23 -.0011 R13 -.6214
 SG1 809.6 SG2 453.7 THA 2.75

ORBIT DETERMINATION ACCURACY

ST 351.5 SR 405.4 SS 328.2
 CRT -.6995 CRS -.7763 CST .9918
 LSA 586.9 MSA 225.7 SSA 13.9
 EL1 495.7 EL2 205.4 ALF 129.22

LAUNCH DATE MAY 15 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 26 1967

HELIOCENTRIC CONIC

DISTANCE 142.151

RL 151.22 LAL -1.00 LOL 233.50 VL 18.150 GAL 16.69 AZL 91.90 MCA 47.16 SMA 93.08 ECC .66370 INC 1.9030 VI 29.464
 RP 108.84 LAP -1.40 LOP 280.64 VP 31.825 GAP -40.63 A7P 91.29 TAL 171.05 TAP 218.21 RCA 31.30 APO 154.86 V2 34.817
 RC 64.892 GL -2.54 GP 1.86 ZAL 68.20 ZAP 27.18 ETS 185.74 ZAE 146.30 ETE 168.93 ZAC 135.03 ETC 24.48 CLP 27.12

PLANETOCENTRIC CONIC

C3 169.814 VHL 13.031 DLA 3.45 RAL 165.50 RAD 6570.8 VEL 17.063 PTH 2.93 VHP 23.429 DPA 22.71 RAP 131.34 ECC 3.7947
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 29 16 2813.64 -28.23 82.82 64.20 92.31 7 16 10 2213.6 -27.61 74.21
 90.00 19 18 30 5243.79 26.67 236.34 60.71 80.12 20 45 54 4643.8 25.04 228.05
 100.00 7 52 13 2546.08 -29.78 63.07 64.12 92.67 8 34 39 1946.1 -29.10 54.33
 100.00 20 38 14 4986.59 28.20 217.12 60.40 79.66 22 1 20 4386.6 26.49 208.74
 110.00 9 4 10 2320.92 -34.01 45.70 63.85 93.68 9 42 51 1720.9 -33.12 36.57
 110.00 21 42 47 4784.51 32.36 200.85 59.46 78.32 23 2 31 4184.5 30.41 192.17

DIFFERENTIAL CORRECTIONS

TOE .6778 TRA-1.6675 TC3 -.1130 BAU .2600
 RDE -.9179 RRA -.4891 RC3 .0188 FAU .01355
 FDE -.3380 FRA .6404 FC3 -.0691 BSP 2229
 BDE 1.1411 BRA 1.7377 BC3 .1145 FSP -67

MID-COURSE EXECUTION ACCURACY

SGT 845.6 SGR 460.1 SG3 31.6
 RRT .0605 RRF -.0569 RTF -.6410
 SGB 962.7 R23 -.0019 R13 -.6412
 SG1 846.2 SG2 458.9 THA 2.67

ORBIT DETERMINATION ACCURACY

ST 370.7 SR 408.7 SS 346.4
 CRT -.6999 CRS -.7793 CST .9914
 LSA 609.1 MSA 230.9 SSA 14.1
 EL1 509.3 EL2 212.5 ALF 131.03

LAUNCH DATE MAY 15 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 28 1967

HELIOCENTRIC CONIC

DISTANCE 148.107

RL 151.22 LAL -1.00 LOL 233.50 VL 18.802 GAL 16.01 AZL 92.03 MCA 50.32 SMA 94.68 ECC .63685 INC 2.0322 VI 29.464
 RP 108.86 LAP -1.56 LOP 283.80 VP 32.194 GAP -38.76 A7P 91.30 TAL 170.35 TAP 220.67 RCA 34.38 APO 154.97 V2 34.810
 RC 62.843 GL -2.97 GP 1.92 ZAL 67.15 ZAP 25.68 ETS 186.03 ZAE 147.01 ETE 167.77 ZAC 133.47 ETC 23.79 CLP 25.62

PLANETOCENTRIC CONIC

C3 153.512 VHL 12.390 DLA 2.64 RAL 166.31 RAD 6570.7 VEL 16.578 PTH 2.88 VHP 22.486 DPA 22.38 RAP 133.11 ECC 3.5264
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 38 29 2771.17 -28.07 79.72 63.23 93.86 7 24 40 2171.2 -27.24 71.16
 90.00 19 15 46 5251.18 26.76 236.87 60.57 80.37 20 43 17 4651.2 25.15 228.56
 100.00 8 1 4 2504.82 -29.61 60.01 63.11 94.27 8 42 49 1904.8 -28.71 51.32
 100.00 20 35 52 4992.76 28.28 217.56 60.28 79.88 21 59 5 4392.8 26.59 209.17
 110.00 9 12 8 2282.37 -33.80 42.71 62.69 95.44 9 50 11 1682.4 -32.68 33.65
 110.00 21 41 17 4787.98 32.40 201.11 59.36 78.47 23 1 5 4188.0 30.48 192.42

DIFFERENTIAL CORRECTIONS

TOE .6782 TRA-1.6700 TC3 -.1188 BAU .2479
 RDE -.8783 RRA -.4739 RC3 .0218 FAU .01376
 FDE -.3540 FRA .6621 FC3 -.0776 BSP 2341
 BDE 1.1097 BRA 1.7359 BC3 .1208 FSP -73

MID-COURSE EXECUTION ACCURACY

SGT 884.7 SGR 464.8 SG3 34.3
 RRT .0640 RRF -.0602 RTF -.6594
 SGB 999.4 R23 -.0020 R13 -.6596
 SG1 885.4 SG2 463.4 THA 2.65

ORBIT DETERMINATION ACCURACY

ST 390.2 SR 411.5 SS 365.0
 CRT -.6985 CRS -.7819 CST .9908
 LSA 631.5 MSA 236.2 SSA 14.4
 EL1 522.7 EL2 219.8 ALF 132.82

LAUNCH DATE MAY 15 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 30 1967

HELIOCENTRIC CONIC

DISTANCE 154.146

RL 151.22 LAL -1.00 LOL 233.50 VL 19.411 GAL 15.34 AZL 92.15 MCA 53.49 SMA 96.28 ECC .61064 INC 2.1500 VI 29.464
 RP 108.88 LAP -1.73 LOP 286.96 VP 32.548 GAP -36.99 A7P 91.28 TAL 169.67 TAP 223.15 RCA 37.49 APO 155.07 V2 34.805
 RC 60.850 GL -3.42 GP 1.98 ZAL 66.17 ZAP 24.21 ETS 186.37 ZAE 147.83 ETE 166.48 ZAC 131.88 ETC 23.14 CLP 24.13

PLANETOCENTRIC CONIC

C3 138.838 VHL 11.783 DLA 1.84 RAL 167.05 RAD 6570.5 VEL 16.130 PTH 2.84 VHP 21.576 DPA 22.03 RAP 134.89 ECC 3.2849
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 47 25 2727.89 -27.84 76.58 62.15 95.42 7 32 53 2127.9 -26.79 68.07
 90.00 19 12 45 5257.75 26.83 237.33 60.32 80.59 20 40 23 4657.7 25.26 229.02
 100.00 8 9 37 2462.75 -29.36 56.91 61.98 95.88 8 50 40 1862.7 -28.24 48.29
 100.00 20 33 15 4998.12 28.34 217.95 60.03 80.07 21 56 33 4398.1 26.68 209.54
 110.00 9 19 50 2242.99 -33.50 39.67 61.42 97.22 9 57 13 1643.0 -32.14 30.70
 110.00 21 39 31 4790.64 32.44 201.31 59.13 78.58 22 59 22 4190.6 30.53 192.61

DIFFERENTIAL CORRECTIONS

TOE .6806 TRA-1.6700 TC3 -.1237 BAU .2344
 RDE -.8391 RRA -.4582 RC3 .0252 FAU .01401
 FDE -.3709 FRA .6838 FC3 -.0873 BSP 2507
 BDE 1.0804 BRA 1.7317 BC3 .1263 FSP -81

MID-COURSE EXECUTION ACCURACY

SGT 924.5 SGR 468.7 SG3 37.2
 RRT .0665 RRF -.0633 RTF -.6779
 SGB 1036.5 R23 -.0028 R13 -.6781
 SG1 925.2 SG2 467.3 THA 2.59

ORBIT DETERMINATION ACCURACY

ST 411.1 SR 413.5 SS 384.4
 CRT -.6988 CRS -.7847 CST .9903
 LSA 655.5 MSA 240.7 SSA 14.6
 EL1 537.3 EL2 226.4 ALF 134.76

LAUNCH DATE MAY 15 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 1 1967

HELIOCENTRIC CONIC
 RL 151.22 LAL -1.00 LOL 233.50 VL 19.980 GAL 14.69 AZL 92.26 MCA 56.65 SMA 97.87 ECC .58515 INC 2.2585 V1 29.464
 RP 108.90 LAP -1.89 LOP 290.13 VP 32.885 GAP -35.30 A7P 91.24 TAL 169.01 TAP 225.66 RCA 40.60 APO 155.14 V2 34.800
 RC 58.919 GL -3.90 GP 2.05 ZAL 65.25 ZAP 22.75 ETS 186.78 ZAE 148.76 ETE 165.02 ZAC 130.27 ETC 22.53 CLP 22.67

PLANETOCENTRIC CONIC
 C3 125.621 VML 11.208 CLA 1.04 RAL 167.73 RAD 6570.3 VEL 15.715 PTH 2.79 VMP 20.699 DPA 21.67 RAP 136.67 ECC 3.0674
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 56 5 2683.78 -27.51 73.39 60.95 96.98 7 40 49 2083.8 -26.26 64.95
 90.00 19 9 29 5263.57 26.90 237.75 59.93 80.79 20 37 12 4663.6 25.35 229.42
 100.00 8 17 54 2419.84 -29.02 53.77 60.73 97.50 8 58 14 1819.8 -27.68 45.22
 100.00 20 30 20 5002.73 28.40 218.28 59.65 80.24 21 53 43 4402.7 26.75 209.86
 110.00 9 27 15 2202.77 -33.12 36.59 60.04 99.00 10 3 58 1602.8 -31.52 27.73
 110.00 21 37 29 4792.57 32.47 201.45 58.77 78.66 22 57 21 4192.6 30.56 192.75

DIFFERENTIAL CORRECTIONS
 TOE .6830 TRA-1.6691 TC3 -.1281 BAU .2206
 ROE -.8005 RRA -.4422 RC3 .0290 FAU .01428
 FDE -.3884 FRA .7057 FC3 -.0984 BSP 2679
 BOE 1.0523 BRA 1.7267 BC3 .1314 FSP -90

MID-COURSE EXECUTION ACCURACY
 SGT 965.7 SGR 472.0 SG3 40.4
 RRT .0689 RRF -.0665 RTF -.6957
 SGB 1074.9 R23 -.0037 R13 -.6960
 SG1 966.5 SG2 470.5 TMA 2.53

ORBIT DETERMINATION ACCURACY
 ST 433.0 SR 414.8 SS 404.6
 CRT -.6988 CRS -.7874 CST .9899
 LSA 680.6 MSA 244.6 SSA 14.8
 EL1 552.8 EL2 232.4 ALF 136.76

LAUNCH DATE MAY 15 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 3 1967

HELIOCENTRIC CONIC
 RL 151.22 LAL -1.00 LOL 233.50 VL 20.512 GAL 14.06 AZL 92.36 MCA 59.81 SMA 99.45 ECC .56042 INC 2.3594 V1 29.464
 RP 108.91 LAP -2.04 LOP 293.29 VP 33.206 GAP -33.70 A7P 91.19 TAL 168.37 TAP 228.18 RCA 43.72 APO 155.18 V2 34.795
 RC 57.057 GL -4.41 GP 2.13 ZAL 64.40 ZAP 21.31 ETS 187.26 ZAE 149.80 ETE 163.37 ZAC 128.64 ETC 21.95 CLP 21.21

PLANETOCENTRIC CONIC
 C3 113.709 VML 10.663 CLA .23 RAL 168.33 RAD 6570.2 VEL 15.331 PTH 2.74 VMP 19.853 DPA 21.29 RAP 138.46 ECC 2.8714
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 4 29 2638.82 -27.10 70.17 59.64 98.55 7 48 28 2038.8 -25.64 61.80
 90.00 19 5 54 5268.73 26.95 238.11 59.42 80.97 20 33 42 4668.7 25.43 229.78
 100.00 8 25 56 2376.09 -28.59 50.58 59.38 99.12 9 5 32 1776.1 -27.03 42.13
 100.00 20 27 8 5006.68 28.44 218.57 59.15 80.39 21 50 35 4406.7 26.82 210.14
 110.00 9 34 25 2161.72 -32.64 33.49 58.56 100.78 10 10 27 1561.7 -30.81 24.74
 110.00 21 35 8 4793.82 32.48 201.54 58.28 78.71 22 55 2 4193.8 30.59 192.84

DIFFERENTIAL CORRECTIONS
 TOE .6829 TRA-1.6699 TC3 -.1326 BAU .2079
 ROE -.7624 RRA -.4261 RC3 .0333 FAU .01457
 FDE -.4064 FRA .7283 FC3 -.1109 BSP 2797
 BOE 1.0236 BRA 1.7234 BC3 .1368 FSP -98

MID-COURSE EXECUTION ACCURACY
 SGT 1009.8 SGR 474.6 SG3 43.8
 RRT .0730 RRF -.0704 RTF -.7120
 SGB 1115.8 R23 -.0037 R13 -.7123
 SG1 1010.6 SG2 473.0 TMA 2.52

ORBIT DETERMINATION ACCURACY
 ST 455.2 SR 415.4 SS 425.5
 CRT -.6974 CRS -.7899 CST .9892
 LSA 706.2 MSA 248.5 SSA 15.0
 EL1 568.2 EL2 238.5 ALF 138.74

LAUNCH DATE MAY 15 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 5 1967

HELIOCENTRIC CONIC
 RL 151.22 LAL -1.00 LOL 233.50 VL 21.009 GAL 13.45 AZL 92.45 MCA 62.98 SMA 101.01 ECC .53649 INC 2.4540 V1 29.464
 RP 108.92 LAP -2.19 LOP 296.45 VP 33.512 GAP -32.17 A7P 91.12 TAL 167.76 TAP 230.73 RCA 46.82 APO 155.20 V2 34.792
 RC 55.270 GL -4.95 GP 2.21 ZAL 63.61 ZAP 19.89 ETS 187.83 ZAE 150.95 ETE 161.49 ZAC 127.00 ETC 21.40 CLP 19.77

PLANETOCENTRIC CONIC
 C3 102.967 VML 10.147 CLA -.59 RAL 168.86 RAD 6570.0 VEL 14.977 PTH 2.70 VMP 19.036 DPA 20.90 RAP 140.26 ECC 2.6946
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 12 38 2593.01 -26.59 66.91 58.24 100.11 7 55 51 1993.0 -24.93 58.64
 90.00 19 2 0 5273.32 27.00 238.44 58.79 81.12 20 29 53 4673.3 25.50 230.10
 100.00 8 33 43 2331.50 -28.07 47.37 57.93 100.74 9 12 34 1731.5 -26.30 39.02
 100.00 20 23 37 5010.06 28.48 218.81 58.52 80.51 21 47 7 4410.1 26.87 210.38
 110.00 9 41 20 2119.83 -32.06 30.36 56.98 102.55 10 16 40 1519.8 -30.00 21.75
 110.00 21 32 29 4794.49 32.49 201.59 57.67 78.74 22 52 23 4194.5 30.60 192.89

DIFFERENTIAL CORRECTIONS
 TOE .6852 TRA-1.6671 TC3 -.1355 BAU .1938
 ROE -.7249 RRA -.4097 RC3 .0381 FAU .01490
 FDE -.4256 FRA .7508 FC3 -.1253 BSP 2977
 BOE .9975 BRA 1.7167 BC3 .1408 FSP -109

MID-COURSE EXECUTION ACCURACY
 SGT 1054.2 SGR 476.5 SG3 47.5
 RRT .0759 RRF -.0741 RTF -.7285
 SGB 1156.9 R23 -.0047 R13 -.7287
 SG1 1055.0 SG2 474.8 TMA 2.46

ORBIT DETERMINATION ACCURACY
 ST 479.1 SR 415.1 SS 447.4
 CRT -.6978 CRS -.7927 CST .9887
 LSA 733.9 MSA 251.3 SSA 15.1
 EL1 585.3 EL2 243.4 ALF 140.82

LAUNCH DATE MAY 15 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 7 1967

HELIOCENTRIC CONIC
 RL 151.22 LAL -1.00 LOL 233.50 VL 21.473 GAL 12.85 AZL 92.54 MCA 66.14 SMA 102.55 ECC .51341 INC 2.5433 V1 29.464
 RP 108.93 LAP -2.33 LOP 299.61 VP 33.802 GAP -30.70 A7P 91.03 TAL 167.18 TAP 233.31 RCA 49.90 APO 155.20 V2 34.789
 RC 53.566 GL -5.52 GP 2.30 ZAL 62.89 ZAP 18.47 ETS 188.53 ZAE 152.20 ETE 159.32 ZAC 125.34 ETC 20.89 CLP 18.33

PLANETOCENTRIC CONIC
 C3 93.281 VML 9.658 CLA -1.41 RAL 169.32 RAD 6569.8 VEL 14.650 PTH 2.65 VMP 18.247 DPA 20.50 RAP 142.06 ECC 2.5352
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 20 33 2546.34 -25.99 63.62 56.74 101.65 8 2 59 1946.3 -24.12 55.45
 90.00 18 57 45 5277.47 27.04 238.74 58.04 81.27 20 25 43 4677.5 25.56 230.38
 100.00 8 41 14 2286.05 -27.45 44.14 56.39 102.33 9 19 21 1686.1 -25.47 35.89
 100.00 20 19 45 5012.99 28.51 219.02 57.78 80.61 21 43 18 4413.0 26.92 210.58
 110.00 9 47 59 2077.12 -31.39 27.21 55.32 104.30 10 22 36 1477.1 -29.10 18.75
 110.00 21 29 30 4794.68 32.49 201.61 56.94 78.75 22 49 24 4194.7 30.60 192.90

DIFFERENTIAL CORRECTIONS
 TOE .6873 TRA-1.6634 TC3 -.1374 BAU .1797
 ROE -.6880 RRA -.3933 RC3 .0435 FAU .01527
 FDE -.4458 FRA .7739 FC3 -.1417 BSP 3154
 BOE .9725 BRA 1.7093 BC3 .1441 FSP -120

MID-COURSE EXECUTION ACCURACY
 SGT 1100.5 SGR 477.6 SG3 51.5
 RRT .0792 RRF -.0781 RTF -.7442
 SGB 1199.6 R23 -.0057 R13 -.7444
 SG1 1101.3 SG2 475.8 TMA 2.42

ORBIT DETERMINATION ACCURACY
 ST 504.0 SR 414.1 SS 470.3
 CRT -.6981 CRS -.7955 CST .9882
 LSA 763.0 MSA 253.6 SSA 15.3
 EL1 603.5 EL2 247.6 ALF 142.91

LAUNCH DATE MAY 15 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC

DISTANCE 185.415

RL 151.22 LAL -0.00 LOL 233.50 VL 21.907 GAL 12.27 AZL 92.63 MCA 69.30 SMA 104.06 ECC .49118 INC 2.6284 V1 29.464
 RP 108.94 LAP -2.46 LOP 302.77 VP 34.077 GAP -29.31 A7P 90.93 TAL 166.63 TAP 235.92 RCA 52.95 APO 155.18 V2 34.786
 RC 51.953 GL -6.13 GP 2.40 ZAL 62.24 ZAP 17.07 ETS 189.37 ZAE 153.54 ETE 156.80 ZAC 123.67 ETC 20.40 CLP 16.91

PLANETOCENTRIC CONIC

C3 84.545 VHL 9.195 CLA -2.23 RAL 169.71 RAD 6569.7 VEL 14.349 PTH 2.61 VMP 17.485 DPA 20.08 RAP 143.85 ECC 2.3914
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 28 14 2498.82 -25.30 60.32 55.16 103.17 8 9 53 1898.8 -23.23 52.25
 90.00 18 53 9 5281.30 27.08 239.01 57.18 81.40 20 21 10 4681.3 25.61 230.65
 100.00 8 48 32 2239.78 -26.73 40.88 54.78 103.90 9 25 52 1639.8 -24.55 32.76
 100.00 20 15 32 5015.58 28.54 219.21 56.92 80.71 21 39 8 4415.6 26.96 210.76
 110.00 9 54 24 2033.62 -30.61 24.06 53.60 106.01 10 28 18 1433.6 -28.11 15.75
 110.00 21 26 10 4794.50 32.49 201.60 56.09 78.74 22 46 4 4194.5 30.60 192.89

DIFFERENTIAL CORRECTIONS

TOE .6899 TRA-1.6580 TC3 -.1378 BAU .1655
 ROE -.6517 RRA -.3769 RC3 .0496 FAU .01568
 FDE -.4672 FRA .7972 FC3 -.1606 BSP 3346
 BOE .9491 BRA 1.7003 BC3 .1465 FSP -132

MID-COURSE EXECUTION ACCURACY

SGT 1148.1 SGR 478.0 SG3 55.9
 RRT .0825 RRF -.0824 RTF -.7593
 SGB 1243.6 R23 -.0068 R13 -.7595
 SG1 1148.9 SG2 476.0 TMA 2.38

ORBIT DETERMINATION ACCURACY

ST 530.2 SR 412.2 SS 494.4
 CRT -.6989 CRS -.7984 CST .9877
 LSA 793.8 MSA 255.1 SSA 15.5
 EL1 622.9 EL2 250.9 ALF 145.00

LAUNCH DATE MAY 15 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 191.846

RL 151.22 LAL -0.00 LOL 233.50 VL 22.313 GAL 11.72 AZL 92.71 MCA 72.46 SMA 105.55 ECC .46984 INC 2.7101 V1 29.464
 RP 108.94 LAP -2.58 LOP 303.94 VP 34.338 GAP -27.97 A7P 90.82 TAL 166.11 TAP 238.57 RCA 55.96 APO 155.14 V2 34.785
 RC 50.440 GL -6.78 GP 2.51 ZAL 61.67 ZAP 15.68 ETS 190.41 ZAE 154.98 ETE 153.85 ZAC 121.99 ETC 19.94 CLP 15.48

PLANETOCENTRIC CONIC

C3 76.668 VHL 8.756 CLA -3.07 RAL 170.02 RAD 6569.5 VEL 14.072 PTH 2.57 VMP 16.748 DPA 19.66 RAP 145.65 ECC 2.2618
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 35 43 2450.46 -24.51 57.00 53.51 104.65 8 16 33 1850.5 -22.25 49.05
 90.00 18 48 10 5284.97 27.12 239.27 56.20 81.52 20 16 15 4685.0 25.67 230.91
 100.00 8 55 37 2192.69 -25.92 37.62 53.09 105.44 9 32 10 1592.7 -23.55 29.62
 100.00 20 10 56 5017.97 28.57 219.38 55.95 80.80 21 34 34 4418.0 27.00 210.93
 110.00 10 0 35 1989.34 -29.74 20.90 51.81 107.69 10 33 44 1389.3 -27.03 12.76
 110.00 21 22 28 4794.09 32.49 201.56 55.13 78.73 22 42 22 4194.1 30.59 192.86

DIFFERENTIAL CORRECTIONS

TOE .6924 TRA-1.6513 TC3 -.1367 BAU .1515
 ROE -.6162 RRA -.3605 RC3 .0563 FAU .01614
 FDE -.4900 FRA .8211 FC3 -.1822 BSP 3537
 BOE .9269 BRA 1.6902 BC3 .1478 FSP -145

MID-COURSE EXECUTION ACCURACY

SGT 1197.3 SGR 477.6 SG3 60.7
 RRT .0864 RRF -.0872 RTF -.7736
 SGB 1289.0 R23 -.0079 R13 -.7739
 SG1 1198.1 SG2 475.5 TMA 2.34

ORBIT DETERMINATION ACCURACY

ST 557.4 SR 409.4 SS 519.6
 CRT -.6998 CRS -.8014 CST .9872
 LSA 826.2 MSA 256.0 SSA 15.6
 EL1 643.5 EL2 253.3 ALF 147.07

LAUNCH DATE MAY 15 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC

DISTANCE 198.325

RL 151.22 LAL -0.00 LOL 233.50 VL 22.692 GAL 11.17 AZL 92.79 MCA 75.62 SMA 107.00 ECC .44938 INC 2.7888 V1 29.464
 RP 108.94 LAP -2.70 LOP 309.10 VP 34.584 GAP -26.68 A7P 90.69 TAL 165.63 TAP 241.25 RCA 58.92 APO 155.08 V2 34.784
 RC 49.035 GL -7.46 GP 2.63 ZAL 61.17 ZAP 14.30 ETS 191.71 ZAE 156.47 ETE 150.35 ZAC 120.30 ETC 19.51 CLP 14.06

PLANETOCENTRIC CONIC

C3 69.569 VHL 8.341 CLA -3.92 RAL 170.26 RAD 6569.3 VEL 13.817 PTH 2.52 VMP 16.036 DPA 19.24 RAP 147.44 ECC 2.1449
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 42 59 2401.29 -23.62 53.67 51.80 106.09 8 23 0 1801.3 -21.19 45.84
 90.00 18 42 45 5288.63 27.16 239.53 55.13 81.65 20 10 54 4688.6 25.72 231.16
 100.00 9 2 29 2144.81 -25.01 34.35 51.35 106.93 9 38 14 1544.8 -22.45 26.49
 100.00 20 5 56 5020.34 28.59 219.55 54.88 80.88 21 29 36 4420.3 27.04 211.10
 110.00 10 6 32 1944.34 -28.76 17.76 49.97 109.32 10 38 56 1344.3 -25.86 9.79
 110.00 21 18 23 4793.58 32.48 201.53 54.06 78.70 22 38 17 4193.6 30.58 192.82

DIFFERENTIAL CORRECTIONS

TOE .6929 TRA-1.6455 TC3 -.1350 BAU .1388
 ROE -.5813 RRA -.3444 RC3 .0637 FAU .01662
 FDE -.5140 FRA .8459 FC3 -.2069 BSP 3677
 BOE .9045 BRA 1.6811 BC3 .1492 FSP -159

MID-COURSE EXECUTION ACCURACY

SGT 1249.4 SGR 476.4 SG3 66.0
 RRT .0919 RRF -.0929 RTF -.7865
 SGB 1337.1 R23 -.0085 R13 -.7867
 SG1 1250.3 SG2 474.1 TMA 2.34

ORBIT DETERMINATION ACCURACY

ST 584.9 SR 405.6 SS 546.0
 CRT -.6993 CRS -.8041 CST .9864
 LSA 859.5 MSA 256.6 SSA 15.8
 EL1 664.5 EL2 255.3 ALF 149.08

LAUNCH DATE MAY 15 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC

DISTANCE 204.846

RL 151.22 LAL -0.00 LOL 233.50 VL 23.046 GAL 10.65 AZL 92.87 MCA 78.78 SMA 108.41 ECC .42980 INC 2.8655 V1 29.464
 RP 108.94 LAP -2.81 LOP 312.26 VP 34.817 GAP -25.45 A7P 90.56 TAL 165.18 TAP 243.96 RCA 61.82 APO 155.01 V2 34.784
 RC 47.750 GL -8.19 GP 2.76 ZAL 60.74 ZAP 12.93 ETS 193.36 ZAE 158.00 ETE 146.16 ZAC 118.61 ETC 19.10 CLP 12.64

PLANETOCENTRIC CONIC

C3 63.171 VHL 7.948 CLA -4.78 RAL 170.41 RAD 6569.2 VEL 13.584 PTH 2.48 VMP 15.348 DPA 18.81 RAP 149.23 ECC 2.0396
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 50 4 2351.34 -22.64 50.34 50.04 107.48 8 29 15 1751.3 -20.03 42.63
 90.00 18 36 55 5292.46 27.19 239.81 53.95 81.78 20 5 7 4692.5 25.78 231.43
 100.00 9 9 10 2096.18 -24.01 31.09 49.55 108.57 9 44 6 1496.2 -21.27 23.36
 100.00 20 0 30 5022.84 28.62 219.74 53.71 80.98 21 24 13 4422.8 27.07 211.27
 110.00 10 12 15 1898.66 -27.70 14.64 48.09 110.89 10 43 54 1298.7 -24.60 6.83
 110.00 21 13 54 4793.14 32.47 201.49 52.90 78.69 22 33 47 4193.1 30.57 192.79

DIFFERENTIAL CORRECTIONS

TDE .6960 TRA-1.6357 TC3 -.1299 BAU .1254
 ROE -.5472 RRA -.3286 RC3 .0719 FAU .01718
 FDE -.5402 FRA .8711 FC3 -.2355 BSP 3874
 BOE .8854 BRA 1.6684 BC3 .1484 FSP -176

MID-COURSE EXECUTION ACCURACY

SGT 1301.7 SGR 474.5 SG3 71.7
 RRT .0967 RRF -.0989 RTF -.7995
 SGB 1385.5 R23 -.0099 R13 -.7997
 SG1 1302.7 SG2 471.9 TMA 2.32

ORBIT DETERMINATION ACCURACY

ST 614.7 SR 400.9 SS 574.2
 CRT -.7006 CRS -.8070 CST .9860
 LSA 895.8 MSA 256.1 SSA 15.9
 EL1 687.9 EL2 255.6 ALF 151.08

LAUNCH DATE MAY 15 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 211.406
 RL 151.22 LAL -.00 LOL 233.50 VL 23.376 GAL 10.15 AZL 92.94 MCA 81.94 SMA 109.79 ECC .41112 INC 2.9404 V1 29.464
 RP 108.94 LAP -2.91 LOP 315.42 VP 35.038 GAP -24.27 A7P 90.41 TAL 164.77 TAP 246.71 RCA 64.65 APO 154.93 V2 34.785
 RC 46.594 GL -8.96 GP 2.90 ZAL 60.39 ZAP 11.58 ETS 195.47 ZAE 159.53 ETE 141.13 ZAC 116.91 ETC 18.71 CLP 11.22

PLANETOCENTRIC CONIC

C3 57.411 VML 7.577 DLA -5.65 RAL 170.49 RAD 6569.0 VEL 13.370 PTH 2.44 VMP 14.683 DPA 18.38 RAP 151.01 ECC 1.9448
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 56 59 2300.62 -21.56 47.01 48.23 108.82 8 35 20 1700.6 -18.79 39.43
 90.00 18 30 35 5296.65 27.23 240.11 52.68 81.93 19 58 52 4696.6 25.84 231.72
 100.00 9 15 39 2046.84 -22.91 27.84 47.72 109.75 9 49 46 1446.8 -20.01 20.24
 100.00 19 54 36 5025.66 28.65 219.94 52.44 81.08 21 18 22 4425.7 27.12 211.47
 110.00 10 17 47 1852.34 -26.53 11.54 46.18 112.39 10 48 39 1252.3 -23.26 3.90
 110.00 21 8 58 4792.92 32.47 201.48 51.65 78.68 22 28 51 4192.9 30.57 192.78

DIFFERENTIAL CORRECTIONS

TOE .6993 TRA-1.6243 TC3 -.1223 BAU .1126 SGT 1355.5 SGR 471.8 SG3 78.0 ORBIT DETERMINATION ACCURACY
 RDE -.5138 RRA -.3131 RC3 .0810 FAU .01780 RRT .1023 RRF -.1057 RTF -.8118 CRT -.7021 CRS -.8100 CST .9855
 FDE -.5684 FRA .8969 FC3 -.2683 BSP 4073 SGB 1435.2 R23 -.0114 R13 -.8120 LSA 934.0 MSA 254.9 SSA 16.1
 BDE .8677 BRA 1.6542 BC3 .1467 FSP -193 SG1 1356.5 SG2 469.0 TMA 2.32 EL1 712.6 EL2 254.8 ALF 153.03

LAUNCH DATE MAY 15 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 217.999
 RL 151.22 LAL -.00 LOL 233.50 VL 23.685 GAL 9.66 AZL 93.01 MCA 85.10 SMA 111.12 ECC .39331 INC 3.0142 V1 29.464
 RP 108.94 LAP -3.00 LOP 318.59 VP 35.245 GAP -23.13 A7P 90.26 TAL 164.40 TAP 249.50 RCA 67.42 APO 154.83 V2 34.786
 RC 45.578 GL -9.78 GP 3.06 ZAL 60.13 ZAP 10.25 ETS 198.25 ZAE 160.98 ETE 135.06 ZAC 115.21 ETC 18.34 CLP 9.79

PLANETOCENTRIC CONIC

C3 52.228 VML 7.227 DLA -6.54 RAL 170.48 RAD 6568.9 VEL 13.175 PTH 2.41 VMP 14.041 DPA 17.94 RAP 152.78 ECC 1.8595
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 3 45 2249.18 -20.39 43.68 46.39 110.08 8 41 14 1649.2 -17.47 36.23
 90.00 18 23 46 5301.40 27.28 240.45 51.33 82.09 19 52 7 4701.4 25.90 232.05
 100.00 9 21 59 1996.82 -21.72 24.59 45.85 111.06 9 55 15 1396.8 -18.67 17.13
 100.00 19 48 13 5029.00 28.68 220.18 51.10 81.20 21 12 2 4429.0 27.17 211.71
 110.00 10 23 6 1805.46 -25.28 8.47 44.25 113.81 10 53 11 1205.5 -21.84 1.00
 110.00 21 3 35 4793.13 32.47 201.49 50.32 78.68 22 23 29 4193.1 30.57 192.79

DIFFERENTIAL CORRECTIONS

TOE .7035 TRA-1.6108 TC3 -.1116 BAU .1005 SGT 1410.5 SGR 468.3 SG3 84.9 ORBIT DETERMINATION ACCURACY
 RDE -.4812 RRA -.2980 RC3 .0909 FAU .01848 RRT .1085 RRF -.1134 RTF -.8235 CRT -.7040 CRS -.8130 CST .9852
 FDE -.5992 FRA .9235 FC3 -.3063 BSP 4280 SGB 1486.2 R23 -.0132 R13 -.8238 LSA 974.9 MSA 252.9 SSA 16.2
 BDE .8523 BRA 1.6382 BC3 .1439 FSP -213 SG1 1411.5 SG2 465.2 TMA 2.32 EL1 739.3 EL2 252.8 ALF 154.92

LAUNCH DATE MAY 15 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 224.621
 RL 151.22 LAL -.00 LOL 233.50 VL 23.972 GAL 9.19 AZL 93.09 MCA 88.26 SMA 112.41 ECC .37637 INC 3.0873 V1 29.464
 RP 108.93 LAP -3.09 LOP 321.75 VP 35.441 GAP -22.04 A7P 90.09 TAL 164.07 TAP 252.33 RCA 70.10 APO 154.72 V2 34.788
 RC 44.711 GL -10.65 GP 3.24 ZAL 59.94 ZAP 8.95 ETS 201.99 ZAE 162.29 ETE 127.80 ZAC 113.52 ETC 17.99 CLP 8.35

PLANETOCENTRIC CONIC

C3 47.569 VML 6.897 DLA -7.45 RAL 170.39 RAD 6568.8 VEL 12.997 PTH 2.37 VMP 13.420 DPA 17.52 RAP 154.54 ECC 1.7829
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 10 23 2197.06 -19.14 40.37 44.52 111.28 8 47 0 1597.1 -16.08 33.04
 90.00 18 16 24 5306.94 27.33 240.85 49.91 82.29 19 44 51 4706.9 25.98 232.44
 100.00 9 28 9 1946.18 -20.45 21.37 43.97 112.29 10 0 35 1346.2 -17.25 14.04
 100.00 19 41 19 5033.05 28.73 220.48 49.68 81.35 21 5 12 4433.1 27.23 211.99
 110.00 10 28 14 1758.07 -23.94 5.44 42.31 115.16 10 57 32 1158.1 -20.35 358.14
 110.00 20 57 44 4793.93 32.48 201.55 48.91 78.72 22 17 38 4193.9 30.59 192.85

DIFFERENTIAL CORRECTIONS

TOE .7080 TRA-1.5959 TC3 -.0975 BAU .0897 SGT 1466.9 SGR 464.1 SG3 92.4 ORBIT DETERMINATION ACCURACY
 RDE -.4493 RRA -.2834 RC3 .1018 FAU .01923 RRT .1161 RRF -.1225 RTF -.8346 CRT -.7059 CRS -.8159 CST .9848
 FDE -.6327 FRA .9512 FC3 -.3500 BSP 4490 SGB 1538.5 R23 -.0151 R13 -.8349 LSA 1018.2 MSA 250.2 SSA 16.3
 BDE .8385 BRA 1.6209 BC3 .1410 FSP -235 SG1 1468.0 SG2 460.6 TMA 2.33 EL1 767.4 EL2 249.7 ALF 156.75

LAUNCH DATE MAY 15 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 231.269
 RL 151.22 LAL -.00 LOL 233.50 VL 24.240 GAL 8.74 AZL 93.16 MCA 91.42 SMA 113.66 ECC .36030 INC 3.1601 V1 29.464
 RP 108.92 LAP -3.16 LOP 324.92 VP 35.626 GAP -20.99 A7P 89.92 TAL 163.79 TAP 255.21 RCA 72.71 APO 154.61 V2 34.791
 RC 44.000 GL -11.57 GP 3.43 ZAL 59.84 ZAP 7.70 ETS 207.15 ZAE 163.34 ETE 119.24 ZAC 111.82 ETC 17.67 CLP 6.90

PLANETOCENTRIC CONIC

C3 43.386 VML 6.587 DLA -8.37 RAL 170.21 RAD 6568.6 VEL 12.836 PTH 2.34 VMP 12.820 DPA 17.10 RAP 156.29 ECC 1.7140
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 16 54 2144.28 -17.80 37.08 42.64 112.39 8 52 39 1544.3 -14.61 29.85
 90.00 18 8 28 5313.48 27.39 241.32 48.42 82.51 19 37 2 4713.5 26.07 232.90
 100.00 9 34 11 1894.95 -19.09 18.17 42.07 113.45 10 5 46 1294.9 -15.76 10.97
 100.00 19 33 52 5038.05 28.78 220.84 48.20 81.54 20 57 50 4438.0 27.31 212.34
 110.00 10 33 11 1710.23 -22.52 2.45 40.36 116.42 11 1 41 1110.2 -18.79 355.30
 110.00 20 51 22 4795.53 32.51 201.67 47.45 78.79 22 11 18 4195.5 30.62 192.96

DIFFERENTIAL CORRECTIONS

TOE .7133 TRA-1.5789 TC3 -.0796 BAU .0805 SGT 1524.2 SGR 459.1 SG3 100.7 ORBIT DETERMINATION ACCURACY
 RDE -.4181 RRA -.2693 RC3 .1137 FAU .02007 RRT .1249 RRF -.1331 RTF -.8451 CRT -.7081 CRS -.8187 CST .9846
 FDE -.6696 FRA .9798 FC3 -.4004 BSP 4700 SGB 1591.8 R23 -.0173 R13 -.8454 LSA 1064.4 MSA 246.8 SSA 16.4
 BDE .8268 BRA 1.6017 BC3 .1388 FSP -259 SG1 1525.3 SG2 455.2 TMA 2.36 EL1 797.2 EL2 245.3 ALF 158.52

LAUNCH DATE MAY 15 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 237.938

RL 151.22 LAL -0.00 LOL 233.50 VL 24.490 GAL 8.31 AZL 93.23 MCA 94.58 SMA 114.85 ECC .34506 INC 3.2332 V1 29.464
 RP 108.91 LAP -3.22 LOP 328.09 VP 35.800 GAP -19.98 AZP 89.74 TAL 163.54 TAP 258.13 RCA 75.22 APO 154.48 V2 34.795
 RC 43.455 GL -12.54 GP 3.64 ZAL 59.82 ZAP 6.54 ETS 214.48 ZAE 164.04 ETE 109.51 ZAC 110.14 ETC 17.36 CLP 5.44

PLANETOCENTRIC CONIC

C3 39.636 VHL 6.296 CLA -9.32 RAL 169.95 RAD 6568.5 VEL 12.689 PTH 2.31 VHP 12.240 DPA 16.70 RAP 158.03 ECC 1.6523
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 23 21 2090.88 -16.39 33.80 40.75 113.42 8 58 12 1490.9 -13.08 26.68
 90.00 17 59 56 5321.27 27.46 241.88 46.87 82.79 19 28 37 4721.3 26.17 233.44
 100.00 9 40 7 1843.18 -17.66 14.99 40.16 114.52 10 10 51 1243.2 -14.20 7.91
 100.00 19 25 50 5044.20 28.84 221.29 46.66 81.76 20 49 54 4444.2 27.40 212.78
 110.00 10 37 59 1662.02 -21.03 359.50 38.41 117.59 11 5 41 1062.0 -17.17 352.50
 110.00 20 44 28 4798.13 32.54 201.87 45.92 78.90 22 4 26 4198.1 30.67 193.15

DIFFERENTIAL CORRECTIONS

TDE .7195 TRA-1.5600 TC3 -.0576 BAU .0737
 RDE -.3876 RRA -.2560 RC3 .1267 FAU .02099
 FDE -.7102 FRA 1.0096 FC3 -.4585 BSP 4907
 BDE .8173 BRA 1.5809 BC3 .1392 FSP -286

MID-COURSE EXECUTION ACCURACY

SGT 1582.4 SGR 453.5 SG3 109.9
 RRT .1353 RRF -.1455 RTF -.8550
 SGB 1646.1 R23 -.0198 R13 -.8553
 SG1 1583.7 SG2 448.9 THA 2.42

ORBIT DETERMINATION ACCURACY

ST 784.3 SR 359.8 SS 744.8
 CRT -.7102 CRS -.8212 CST .9844
 LSA 1113.6 MSA 242.7 SSA 16.5
 EL1 828.9 EL2 239.7 ALF 160.23

LAUNCH DATE MAY 15 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 244.625

RL 151.22 LAL -0.00 LOL 233.50 VL 24.722 GAL 7.90 AZL 93.31 MCA 97.75 SMA 116.00 ECC .33065 INC 3.3070 V1 29.464
 RP 108.90 LAP -3.28 LOP 331.25 VP 35.963 GAP -19.00 A2P 89.55 TAL 163.34 TAP 261.09 RCA 77.65 APO 154.36 V2 34.799
 RC 43.079 GL -13.56 GP 3.88 ZAL 59.88 ZAP 5.54 ETS 225.06 ZAE 164.29 ETE 99.02 ZAC 108.46 ETC 17.06 CLP 3.96

PLANETOCENTRIC CONIC

C3 36.278 VHL 6.023 CLA -10.29 RAL 169.60 RAD 6568.4 VEL 12.556 PTH 2.28 VHP 11.680 DPA 16.31 RAP 159.75 ECC 1.5971
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 29 44 2036.87 -14.90 30.53 38.86 114.36 9 3 41 1436.9 -11.49 23.52
 90.00 17 50 44 5330.54 27.53 242.54 45.27 83.11 19 19 35 4730.5 26.29 234.10
 100.00 9 45 58 1790.91 -16.15 11.84 38.26 115.50 10 15 49 1190.9 -12.59 4.86
 100.00 19 17 11 5051.74 28.91 221.83 45.07 82.04 20 41 23 4451.7 27.51 213.31
 110.00 10 42 38 1613.49 -19.48 356.60 36.47 118.66 11 9 31 1013.5 -15.50 349.73
 110.00 20 37 1 4801.92 32.59 202.15 44.35 79.06 21 57 3 4201.9 30.74 193.42

DIFFERENTIAL CORRECTIONS

TDE .7268 TRA-1.5393 TC3 -.0310 BAU .0699
 RDE -.3578 RRA -.2434 RC3 .1408 FAU .02202
 FDE -.7554 FRA 1.0407 FC3 -.5254 BSP 5127
 BDE .8101 BRA 1.5584 BC3 .1441 FSP -315

MID-COURSE EXECUTION ACCURACY

SGT 1641.4 SGR 447.2 SG3 120.0
 RRT .1479 RRF -.1602 RTF -.8643
 SGB 1701.2 R23 -.0227 R13 -.8646
 SG1 1642.8 SG2 441.9 THA 2.49

ORBIT DETERMINATION ACCURACY

ST 823.0 SR 347.6 SS 786.7
 CRT -.7123 CRS -.8234 CST .9843
 LSA 1166.3 MSA 238.1 SSA 16.6
 EL1 862.5 EL2 232.8 ALF 161.89

LAUNCH DATE MAY 15 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 251.326

RL 151.22 LAL -0.00 LOL 233.50 VL 24.938 GAL 7.50 AZL 93.38 MCA 100.91 SMA 117.10 ECC .31704 INC 3.3818 V1 29.464
 RP 108.88 LAP -3.32 LOP 334.42 VP 36.116 GAP -18.06 AZP 89.36 TAL 163.18 TAP 264.09 RCA 79.97 APO 154.22 V2 34.804
 RC 42.876 GL -14.64 GP 4.15 ZAL 60.04 ZAP 4.82 ETS 239.95 ZAE 164.04 ETE 88.45 ZAC 106.80 ETC 16.78 CLP 2.45

PLANETOCENTRIC CONIC

C3 33.278 VHL 5.769 CLA -11.28 RAL 169.15 RAD 6568.3 VEL 12.436 PTH 2.25 VHP 11.139 DPA 15.95 RAP 161.45 ECC 1.5477
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 36 6 1982.28 -13.34 27.28 36.98 115.21 9 9 8 1382.3 -9.83 20.36
 90.00 17 40 51 5341.56 27.62 243.34 43.63 83.50 19 9 53 4741.6 26.43 234.87
 100.00 9 51 46 1738.16 -14.58 8.71 36.36 116.39 10 20 44 1138.2 -10.92 1.84
 100.00 19 7 52 5060.90 28.99 222.50 43.44 82.39 20 32 13 4460.9 27.64 213.96
 110.00 10 47 9 1564.71 -17.86 353.74 34.55 119.64 11 13 14 964.7 -13.78 347.00
 110.00 20 28 58 4807.12 32.66 202.54 42.75 79.28 21 49 5 4207.1 30.83 193.80

DIFFERENTIAL CORRECTIONS

TDE .7349 TRA-1.5168 TC3 .0006 BAU .0694
 RDE -.3286 RRA -.2316 RC3 .1560 FAU .02316
 FDE -.8056 FRA 1.0734 FC3 -.6024 BSP 5337
 BDE .8050 BRA 1.5344 BC3 .1560 FSP -348

MID-COURSE EXECUTION ACCURACY

SGT 1700.8 SGR 440.3 SG3 131.2
 RRT .1632 RRF -.1779 RTF -.8731
 SGB 1756.9 R23 -.0258 R13 -.8735
 SG1 1702.4 SG2 434.0 THA 2.59

ORBIT DETERMINATION ACCURACY

ST 863.2 SR 333.9 SS 831.8
 CRT -.7139 CRS -.8249 CST .9842
 LSA 1222.3 MSA 232.9 SSA 16.6
 EL1 897.8 EL2 224.8 ALF 163.50

LAUNCH DATE MAY 15 1967

FLIGHT TIME 108.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 258.037

RL 151.22 LAL -0.00 LOL 233.50 VL 25.138 GAL 7.12 AZL 93.46 MCA 104.07 SMA 118.15 ECC .30422 INC 3.4583 V1 29.464
 RP 108.87 LAP -3.35 LOP 337.59 VP 36.261 GAP -17.15 AZP 89.16 TAL 163.06 TAP 267.14 RCA 82.20 APO 154.09 V2 34.809
 RC 42.849 GL -15.78 GP 4.45 ZAL 60.28 ZAP 4.54 ETS 258.77 ZAE 163.31 ETE 78.53 ZAC 105.15 ETC 16.51 CLP .92

PLANETOCENTRIC CONIC

C3 30.604 VHL 5.532 CLA -12.29 RAL 168.62 RAD 6568.2 VEL 12.328 PTH 2.22 VHP 10.617 DPA 15.62 RAP 163.14 ECC 1.5037
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 42 30 1927.09 -11.72 24.04 35.11 115.96 9 14 37 1327.1 -8.13 17.20
 90.00 17 30 14 5354.58 27.72 244.28 41.96 83.96 18 59 28 4754.6 26.59 235.79
 100.00 9 57 33 1684.96 -12.95 5.61 34.48 117.18 10 25 38 1085.0 -9.21 358.82
 100.00 18 57 52 5071.94 29.09 223.31 41.78 82.80 20 22 24 4471.9 27.79 214.75
 110.00 10 51 35 1515.73 -16.19 350.93 32.64 120.53 11 16 51 915.7 -12.01 344.30
 110.00 20 20 19 4813.94 32.74 203.06 41.12 79.57 21 40 33 4213.9 30.96 194.29

DIFFERENTIAL CORRECTIONS

TDE .7443 TRA-1.4925 TC3 .0372 BAU .0722
 RDE -.2998 RRA -.2207 RC3 .1724 FAU .02442
 FDE -.8618 FRA 1.1078 FC3 -.6908 BSP 5541
 BDE .8024 BRA 1.5087 BC3 .1763 FSP -385

MID-COURSE EXECUTION ACCURACY

SGT 1760.4 SGR 433.0 SG3 143.5
 RRT .1818 RRF -.1992 RTF -.8813
 SGB 1812.8 R23 -.0296 R13 -.8817
 SG1 1762.2 SG2 425.4 THA 2.72

ORBIT DETERMINATION ACCURACY

ST 905.3 SR 318.4 SS 880.5
 CRT -.7149 CRS -.8256 CST .9843
 LSA 1282.3 MSA 227.3 SSA 16.6
 EL1 935.1 EL2 215.5 ALF 165.08

LAUNCH DATE MAY 15 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC
 RL 151.22 LAL -.00 LOL 233.50 VL 25.325 GAL 6.76 AZL 93.54 MCA 107.24 SMA 119.14 ECC .29216 INC 3.5370 V1 29.464
 RP 108.85 LAP -3.38 LOP 340.77 VP 36.396 GAP -16.27 AZP 88.95 TAL 162.99 TAP 270.23 RCA 84.33 APO 153.95 V2 34.815
 RC 42.995 GL -16.98 GP 4.78 ZAL 60.61 ZAP 4.82 ETS 278.05 ZAE 162.18 ETE 69.76 ZAC 103.52 ETC 16.26 CLP -.64

PLANETOCENTRIC CONIC
 C3 28.225 VHL 5.313 CLA -13.33 RAL 168.00 RAD 6568.1 VEL 12.231 PTH 2.20 VHP 10.114 CPA 15.32 RAP 164.80 ECC 1.4645
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 48 58 1871.28 -10.03 20.81 33.27 116.62 9 20 9 1271.3 -6.38 14.03
 90.00 17 18 49 5369.89 27.82 245.39 40.27 84.51 18 48 19 4769.9 26.77 236.88
 100.00 10 3 21 1631.30 -11.26 2.52 32.62 117.87 10 30 32 1031.3 -7.45 355.81
 100.00 18 47 7 5085.09 29.20 224.27 40.11 83.30 20 11 52 4485.1 27.96 215.69
 110.00 10 55 56 1466.59 -14.47 348.16 30.76 121.31 11 20 23 866.6 -10.22 341.64
 110.00 20 11 1 4822.56 32.84 203.71 39.48 79.95 21 31 24 4222.6 31.11 194.92

DIFFERENTIAL CORRECTIONS
 TOE .7561 TRA-1.4777 TC3 .0864 BAU .0787
 ROE -.2714 RRA -.2106 RC3 .1899 FAU .02582
 FDE -.9252 FRA 1.1441 FC3 -.7921 BSP 5831
 BDE .8033 BRA 1.4927 BC3 .2087 FSP -426

MID-COURSE EXECUTION ACCURACY
 SGT 1831.9 SGR 425.3 SG3 157.2
 RRT .2081 RRF -.2245 RTF -.8902
 SGB 1880.6 R23 -.0299 R13 -.8906
 SG1 1834.1 SG2 415.5 THA 2.92

ORBIT DETERMINATION ACCURACY
 ST 952.0 SR 301.0 SS 933.4
 CRT -.7127 CRS -.8250 CST .9840
 LSA 1348.4 MSA 222.8 SSA 16.5
 EL1 977.1 EL2 205.8 ALF 166.70

LAUNCH DATE MAY 15 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC
 RL 151.22 LAL -.00 LOL 233.50 VL 25.497 GAL 6.42 AZL 93.62 MCA 110.41 SMA 120.09 ECC .28084 INC 3.6185 V1 29.464
 RP 108.83 LAP -3.39 LOP 343.94 VP 36.523 GAP -15.42 AZP 88.74 TAL 162.95 TAP 273.36 RCA 86.36 APO 153.81 V2 34.822
 RC 43.312 GL -18.23 GP 5.16 ZAL 61.02 ZAP 5.62 ETS 293.82 ZAE 160.75 ETE 62.36 ZAC 101.92 ETC 16.02 CLP -2.24

PLANETOCENTRIC CONIC
 C3 26.117 VHL 5.110 CLA -14.40 RAL 167.30 RAD 6568.1 VEL 12.145 PTH 2.18 VHP 9.629 CPA 15.07 RAP 166.45 ECC 1.4298
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 55 34 1814.79 -8.29 17.57 31.45 117.17 9 25 49 1214.8 -4.58 10.85
 90.00 17 6 33 5387.77 27.93 246.68 38.57 85.15 18 36 21 4787.8 26.97 238.15
 100.00 10 9 13 1577.16 -9.52 359.44 30.79 118.47 10 35 30 977.2 -5.65 352.80
 100.00 18 35 36 5100.63 29.32 225.41 38.42 83.88 20 0 36 4500.6 28.16 216.80
 110.00 11 0 15 1417.34 -12.71 345.43 28.90 122.00 11 23 52 817.3 -8.39 338.99
 110.00 20 1 3 4833.22 32.97 204.52 37.83 80.41 21 21 37 4233.2 31.29 195.69

DIFFERENTIAL CORRECTIONS
 TOE .7680 TRA-1.4380 TC3 .1272 BAU .0854
 ROE -.2432 RRA -.2020 RC3 .2090 FAU .02738
 FDE -.9966 FRA 1.1822 FC3 -.9076 BSP 5973
 BDE .8056 BRA 1.4521 BC3 .2447 FSP -471

MID-COURSE EXECUTION ACCURACY
 SGT 1878.6 SGR 418.0 SG3 172.4
 RRT .2321 RRF -.2560 RTF -.8965
 SGB 1924.5 R23 -.0388 R13 -.8970
 SG1 1881.2 SG2 406.0 THA 3.10

ORBIT DETERMINATION ACCURACY
 ST 995.4 SR 281.6 SS 990.6
 CRT -.7125 CRS -.8221 CST .9848
 LSA 1415.9 MSA 215.0 SSA 16.5
 EL1 1016.2 EL2 193.6 ALF 168.17

LAUNCH DATE MAY 15 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC
 RL 151.22 LAL -.00 LOL 233.50 VL 25.657 GAL 6.10 AZL 93.70 MCA 113.57 SMA 120.98 ECC .27025 INC 3.7034 V1 29.464
 RP 108.80 LAP -3.39 LOP 347.11 VP 36.642 GAP -14.60 AZP 88.52 TAL 162.96 TAP 276.53 RCA 88.29 APO 153.68 V2 34.830
 RC 43.796 GL -19.55 GP 5.58 ZAL 61.51 ZAP 6.80 ETS 305.10 ZAE 159.12 ETE 56.29 ZAC 100.34 ETC 15.78 CLP -3.88

PLANETOCENTRIC CONIC
 C3 24.254 VHL 4.925 CLA -15.50 RAL 166.50 RAD 6568.0 VEL 12.068 PTH 2.16 VHP 9.161 CPA 14.87 RAP 168.07 ECC 1.3992
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 2 24 1757.53 -6.50 14.32 29.67 117.62 9 31 41 1157.5 -2.75 7.64
 90.00 16 53 23 5408.57 28.04 248.19 36.87 85.90 18 23 32 4808.6 27.18 239.63
 100.00 10 15 14 1522.50 -7.73 356.37 29.00 118.96 10 40 37 922.5 -3.81 349.78
 100.00 18 23 14 5118.83 29.44 226.75 36.74 84.58 19 48 32 4518.8 28.38 218.11
 110.00 11 4 34 1367.99 -10.91 342.73 27.08 122.60 11 27 22 768.0 -6.54 336.37
 110.00 19 50 23 4846.11 33.11 205.49 36.19 80.97 21 11 10 4246.1 31.51 196.63

DIFFERENTIAL CORRECTIONS
 TOE .7821 TRA-1.4084 TC3 .1798 BAU .0945
 ROE -.2150 RRA -.1945 RC3 .2294 FAU .02911
 FDE -1.0778 FRA 1.2228 FC3 -1.0392 BSP 6178
 BDE .8112 BRA 1.4217 BC3 .2915 FSP -522

MID-COURSE EXECUTION ACCURACY
 SGT 1936.6 SGR 410.8 SG3 189.3
 RRT .2661 RRF -.2937 RTF -.9033
 SGB 1979.7 R23 -.0446 R13 -.9039
 SG1 1939.8 SG2 395.3 THA 3.37

ORBIT DETERMINATION ACCURACY
 ST 1043.2 SR 259.9 SS 1052.8
 CRT -.7067 CRS -.8162 CST .9852
 LSA 1490.1 MSA 208.6 SSA 16.4
 EL1 1059.7 EL2 181.0 ALF 169.71

LAUNCH DATE MAY 15 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC
 RL 151.22 LAL -.00 LOL 233.50 VL 25.805 GAL 5.79 AZL 93.79 MCA 116.74 SMA 121.83 ECC .26034 INC 3.7925 V1 29.464
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.753 GAP -13.81 AZP 88.29 TAL 163.00 TAP 279.73 RCA 90.11 APO 153.55 V2 34.838
 RC 44.440 GL -20.92 GP 6.07 ZAL 62.09 ZAP 8.23 ETS 312.82 ZAE 157.39 ETE 51.40 ZAC 98.79 ETC 15.56 CLP -5.58

PLANETOCENTRIC CONIC
 C3 22.618 VHL 4.756 CLA -16.62 RAL 165.82 RAD 6567.9 VEL 12.000 PTH 2.14 VHP 8.711 CPA 14.74 RAP 169.66 ECC 1.3722
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 9 31 1699.35 -4.65 11.04 27.94 117.96 9 37 51 1099.4 -.87 4.40
 90.00 16 39 13 5432.64 28.15 249.95 35.17 86.77 18 9 46 4832.6 27.40 241.36
 100.00 10 21 28 1467.22 -5.90 353.29 27.25 119.36 10 45 55 867.2 -1.94 346.74
 100.00 18 9 58 5140.00 29.57 228.31 35.06 85.39 19 35 38 4540.0 28.61 219.64
 110.00 11 8 55 1318.53 -9.08 340.07 25.30 123.10 11 30 54 718.5 -4.66 333.77
 110.00 19 38 59 4861.46 33.27 206.66 34.57 81.65 21 0 1 4261.5 31.76 197.76

DIFFERENTIAL CORRECTIONS
 TOE .7977 TRA-1.3769 TC3 .2369 BAU .1044
 ROE -.1864 RRA -.1883 RC3 .2514 FAU .03104
 FDE -1.1700 FRA 1.2660 FC3 -1.1880 BSP 6367
 BDE .8192 BRA 1.3897 BC3 .3454 FSP -578

MID-COURSE EXECUTION ACCURACY
 SGT 1992.8 SGR 404.5 SG3 208.0
 RRT .3074 RRF -.3392 RTF -.9097
 SGB 2033.5 R23 -.0513 R13 -.9104
 SG1 1996.8 SG2 384.2 THA 3.71

ORBIT DETERMINATION ACCURACY
 ST 1092.4 SR 235.7 SS 1120.4
 CRT -.6950 CRS -.8051 CST .9857
 LSA 1569.4 MSA 202.3 SSA 16.2
 EL1 1104.9 EL2 167.5 ALF 171.27

LAUNCH DATE MAY 15 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 291.651

RL 151.22 LAL -1.00 LOL 233.50 VL 25.941 GAL 5.49 AZL 93.89 HCA 119.91 SMA 122.62 ECC .25111 INC 3.8869 V1 29.464
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.857 GAP -13.04 A7P 88.06 TAL 163.08 TAP 283.00 RCA 91.83 APO 153.41 V2 34.846
 RC 45.237 GL -22.35 GP 6.62 ZAL 62.74 ZAP 9.86 ETS 318.11 ZAE 155.64 ETE 47.53 ZAC 97.28 ETC 15.34 CLP -7.32

PLANETOCENTRIC CONIC

C3 21.189 VHL 4.603 OLA -17.77 RAL 164.65 RAD 6567.9 VEL 11.940 PTH 2.12 VHP 8.278 DPA 14.68 RAP 171.24 ECC 1.3487
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 17 5 1640.01 -2.75 7.72 26.26 118.19 9 44 25 1040.0 1.04 1.09
 90.00 16 23 57 5460.42 28.24 251.97 33.49 87.79 17 54 58 4860.4 27.63 243.36
 100.00 10 28 0 1411.17 -4.02 350.19 25.56 119.65 10 51 31 811.2 -.04 343.66
 100.00 17 55 43 5164.49 29.69 230.12 33.40 86.34 19 21 48 4564.5 28.86 221.41
 110.00 11 13 24 1268.93 -7.23 337.42 23.57 123.50 11 34 33 668.9 -2.78 331.17
 110.00 19 26 49 4879.50 33.44 208.05 -32.97 82.45 20 48 8 4279.5 32.03 199.10

DIFFERENTIAL CORRECTIONS

TOE .8179 TRA-1.3411 TC3 .3028 BAU .1159
 RDE -.1571 RRA -.1835 RC3 .2751 FAU .03325
 FDE-1.2769 FRA 1.3104 FC3-1.3584 BSP 6623
 BDE .8328 BRA 1.3536 BC3 .4092 FSP -644

MID-COURSE EXECUTION ACCURACY

SGT 2046.2 SGR 399.9 SG3 229.0
 RRT .3567 RRF -.3931 RTF -.9163
 SGB 2084.9 R23 -.0589 R13 -.9172
 SGI 2051.3 SGI 372.7 TMA 4.12

ORBIT DETERMINATION ACCURACY

ST 1145.9 SR 208.5 SS 1195.0
 CRT -.6747 CRS -.7853 CST .9865
 LSA 1657.2 MSA 195.2 SSA 15.9
 ELI 1154.6 EL2 152.8 ALF 172.88

LAUNCH DATE MAY 15 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 298.368

RL 151.22 LAL -1.00 LOL 233.50 VL 26.067 GAL 5.22 AZL 93.99 HCA 123.09 SMA 123.37 ECC .24252 INC 3.9874 V1 29.464
 RP 108.72 LAP -3.34 LOP 356.64 VP 36.954 GAP -12.30 A7P 87.82 TAL 163.19 TAP 286.28 RCA 93.45 APO 153.29 V2 34.856
 RC 46.178 GL -23.84 GP 7.25 ZAL 63.46 ZAP 11.64 ETS 321.77 ZAE 153.90 ETE 44.52 ZAC 95.80 ETC 15.12 CLP -9.13

PLANETOCENTRIC CONIC

C3 19.951 VHL 4.467 OLA -18.95 RAL 163.61 RAD 6567.8 VEL 11.888 PTH 2.11 VHP 7.863 DPA 14.72 RAP 172.78 ECC 1.3283
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 25 14 1579.16 -.79 4.32 24.65 118.31 9 51 33 979.2 3.00 357.69
 90.00 16 7 27 5492.47 28.30 254.32 31.83 88.96 17 38 59 4892.5 27.86 245.68
 100.00 10 34 58 1354.12 -2.09 347.05 23.93 119.83 10 57 33 754.1 1.89 340.53
 100.00 17 40 24 5192.75 29.79 232.22 31.78 87.43 19 6 57 4592.7 29.12 223.48
 110.00 11 18 3 1219.13 -5.35 334.79 21.90 123.81 11 38 22 619.1 -.87 328.57
 110.00 19 13 48 4900.50 33.61 209.66 31.41 83.39 20 35 29 4300.5 32.34 200.66

DIFFERENTIAL CORRECTIONS

TOE .8371 TRA-1.3067 TC3 .3659 BAU .1263
 RDE -.1267 RRA -.1804 RC3 .3007 FAU .03562
 FDE-1.3978 FRA 1.3593 FC3-1.5454 BSP 6802
 BDE .8466 BRA 1.3191 BC3 .4736 FSP -715

MID-COURSE EXECUTION ACCURACY

SGT 2097.8 SGR 398.1 SG3 252.2
 RRT .4155 RRF -.4566 RTF -.9217
 SGB 2135.2 R23 -.0682 R13 -.9228
 SGI 2104.5 SGI 360.9 TMA 4.64

ORBIT DETERMINATION ACCURACY

ST 1198.2 SR 178.5 SS 1275.0
 CRT -.6330 CRS -.7476 CST .9870
 LSA 1748.5 MSA 189.4 SSA 15.5
 ELI 1203.6 EL2 137.6 ALF 174.54

LAUNCH DATE MAY 15 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 305.078

RL 151.22 LAL -1.00 LOL 233.50 VL 26.183 GAL 4.96 AZL 94.10 HCA 126.26 SMA 124.07 ECC .23456 INC 4.0956 V1 29.464
 RP 108.69 LAP -3.30 LOP 359.82 VP 37.045 GAP -11.58 A7P 87.57 TAL 163.33 TAP 289.59 RCA 94.97 APO 153.17 V2 34.865
 RC 47.255 GL -25.38 GP 7.98 ZAL 64.25 ZAP 13.57 ETS 324.33 ZAE 152.24 ETE 42.24 ZAC 94.37 ETC 14.90 CLP -11.01

PLANETOCENTRIC CONIC

C3 18.891 VHL 4.546 OLA -20.16 RAL 162.48 RAD 6567.8 VEL 11.844 PTH 2.10 VHP 7.465 DPA 14.87 RAP 174.30 ECC 1.3109
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 34 13 1516.27 1.24 .81 23.13 118.29 9 59 29 916.3 5.02 354.16
 90.00 15 49 31 5529.52 28.32 257.03 30.20 90.32 17 21 41 4929.5 28.06 248.37
 100.00 10 42 33 1295.72 -.11 343.85 22.38 119.89 11 4 9 695.7 3.87 337.32
 100.00 17 23 52 5225.30 29.87 234.63 30.18 88.70 18 50 57 4625.3 29.37 225.86
 110.00 11 22 59 1169.00 -3.45 332.16 20.30 124.03 11 42 28 569.0 1.04 325.95
 110.00 18 59 55 4924.78 33.79 211.53 29.91 84.49 20 22 0 4324.8 32.66 202.48

DIFFERENTIAL CORRECTIONS

TOE .8582 TRA-1.2704 TC3 .4308 BAU .1368
 RDE -.0944 RRA -.1792 RC3 .3287 FAU .03826
 FDE-1.5370 FRA 1.4109 FC3-1.7533 BSP 6972
 BDE .8634 BRA 1.2829 BC3 .5418 FSP -794

MID-COURSE EXECUTION ACCURACY

SGT 2145.4 SGR 400.5 SG3 278.0
 RRT .4830 RRF -.5290 RTF -.9268
 SGB 2182.5 R23 -.0790 R13 -.9280
 SGI 2154.3 SGI 349.3 TMA 5.29

ORBIT DETERMINATION ACCURACY

ST 1251.6 SR 145.8 SS 1362.1
 CRT -.5497 CRS -.6719 CST .9877
 LSA 1846.4 MSA 183.8 SSA 15.1
 ELI 1254.2 EL2 121.6 ALF 176.30

LAUNCH DATE MAY 15 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 311.780

RL 151.22 LAL -1.00 LOL 233.50 VL 26.289 GAL 4.72 AZL 94.21 HCA 129.43 SMA 124.72 ECC .22719 INC 4.2131 V1 29.464
 RP 108.66 LAP -3.25 LOP 371.30 VP 37.130 GAP -10.88 A7P 87.32 TAL 163.50 TAP 292.93 RCA 96.38 APO 153.05 V2 34.875
 RC 48.458 GL -26.98 GP 8.83 ZAL 65.10 ZAP 15.65 ETS 326.09 ZAE 150.66 ETE 40.61 ZAC 92.99 ETC 14.68 CLP -12.97

PLANETOCENTRIC CONIC

C3 17.998 VHL 4.242 OLA -21.41 RAL 161.29 RAD 6567.7 VEL 11.806 PTH 2.09 VHP 7.084 DPA 15.15 RAP 175.80 ECC 1.2962
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 44 20 1450.50 3.36 337.14 21.72 118.13 10 8 30 850.5 7.10 350.45
 90.00 15 29 52 5572.58 28.26 260.18 28.60 91.90 17 2 44 4972.6 28.22 251.51
 100.00 10 50 58 1235.43 1.93 340.54 20.93 119.84 11 11 34 635.4 5.89 333.99
 100.00 17 5 55 5262.88 29.89 237.43 28.63 90.17 18 33 37 4662.9 29.60 228.63
 110.00 11 28 19 1118.35 -1.51 329.51 18.78 124.15 11 46 58 518.3 2.98 323.31
 110.00 18 45 3 4952.73 33.95 213.70 28.46 85.76 20 7 35 4352.7 32.99 204.59

DIFFERENTIAL CORRECTIONS

TOE .8815 TRA-1.2325 TC3 .4950 BAU .1472
 RDE -.0595 RRA -.1801 RC3 .3593 FAU .04118
 FDE-1.6976 FRA 1.4657 FC3-1.9809 BSP 7134
 BDE .8835 BRA 1.2456 BC3 .6117 FSP -883

MID-COURSE EXECUTION ACCURACY

SGT 2188.7 SGR 409.4 SG3 306.7
 RRT .5574 RRF -.6080 RTF -.9314
 SGB 2226.7 R23 -.0917 R13 -.9330
 SGI 2200.9 SGI 338.1 TMA 6.10

ORBIT DETERMINATION ACCURACY

ST 1305.8 SR 112.6 SS 1456.9
 CRT -.3637 CRS -.4989 CST .9884
 LSA 1951.5 MSA 178.7 SSA 14.5
 ELI 1306.5 EL2 104.8 ALF 178.19

LAUNCH DATE MAY 15 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 318.471

RL 151.22 LAL -1.00 LOL 233.50 VL 26.387 GAL 4.49 AZL 94.34 MCA 132.61 SMA 125.32 ECC .22039 INC 4.3418 V1 29.464
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.209 GAP -10.20 AZP 87.06 TAL 163.69 TAP 296.30 RCA 97.70 APO 152.94 V2 34.886
 RC 49.776 GL -28.64 GP 9.82 ZAL 66.00 ZAP 17.89 ETS 327.28 ZAE 149.18 ETE 39.57 ZAC 91.67 ETC 14.46 CLP -15.02

PLANETOCENTRIC CONIC

C3 17.263 VHL 4.155 DLA -22.69 RAL 160.02 RAD 6567.7 VEL 11.775 PTH 2.08 VMP 6.722 DPA 15.60 RAP 177.27 ECC 1.2841
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 56 5 1380.51 5.60 353.21 20.45 117.80 10 19 5 780.5 9.28 346.46
 90.00 15 8 2 5623.22 28.09 263.87 27.03 93.74 16 41 45 5023.2 28.31 255.21
 100.00 11 0 33 1172.42 4.06 337.07 19.60 119.64 11 20 5 572.4 7.98 330.48
 100.00 16 46 15 5306.54 29.84 240.67 27.13 91.88 18 14 42 4706.5 29.78 231.87
 110.00 11 34 13 1066.87 .46 326.83 17.35 124.18 11 52 0 466.9 4.94 320.61
 110.00 18 29 4 4984.85 34.08 216.20 27.09 87.23 19 52 9 4384.9 33.33 207.04

DIFFERENTIAL CORRECTIONS

TCE .9061 TRA-1.1936 TC3 .5556 BAU .1571
 RDE -.0207 RRA -.1834 RC3 .3933 FAU .04439
 FDE-1.8825 FRA 1.5237 FC3-2.2260 BSP 7273
 BDE .9063 BRA 1.2076 BC3 .6807 FSP -981

MID-COURSE EXECUTION ACCURACY

SGT 2226.6 SGR 427.5 SG3 338.5
 RRT .6347 RRF -.6894 RTF -.9356
 SGB 2267.2 R23 -.1065 R13 -.9377
 SGI 2243.4 SG2 327.9 TMA 7.10

ORBIT DETERMINATION ACCURACY

ST 1359.4 SR 87.6 SS 1559.4
 CRT .0705 CRS -.0746 CST .9891
 LSA 2063.2 MSA 174.2 SSA 13.9
 EL1 1359.4 EL2 87.4 ALF .26

LAUNCH DATE MAY 15 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 325.150

RL 151.22 LAL -1.00 LOL 233.50 VL 26.476 GAL 4.28 AZL 94.48 MCA 135.79 SMA 125.88 ECC .21414 INC 4.4844 V1 29.464
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.282 GAP -9.55 AZP 86.78 TAL 163.89 TAP 299.68 RCA 98.92 APO 152.84 V2 34.897
 RC 51.201 GL -30.36 GP 10.98 ZAL 66.94 ZAP 20.30 ETS 328.01 ZAE 147.81 ETE 39.09 ZAC 90.40 ETC 14.22 CLP -17.18

PLANETOCENTRIC CONIC

C3 16.681 VHL 4.084 DLA -24.02 RAL 158.70 RAD 6567.7 VEL 11.750 PTH 2.07 VMP 6.378 DPA 16.23 RAP 178.72 ECC 1.2745
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 10 16 1303.91 8.01 348.87 19.35 117.25 10 32 0 703.9 11.60 342.04
 90.00 14 43 14 5684.03 27.74 268.29 25.49 95.93 16 17 58 5084.0 28.27 259.66
 100.00 11 11 47 1105.33 6.31 333.36 18.43 119.28 11 30 13 505.3 10.16 326.69
 100.00 16 24 24 5357.85 29.66 244.48 25.67 93.88 17 53 42 4757.9 29.88 235.68
 110.00 11 40 53 1014.10 2.47 324.08 16.05 124.10 11 57 47 414.1 6.93 317.83
 110.00 18 11 48 5021.84 34.17 219.09 25.81 88.94 19 35 30 4421.8 33.64 209.88

DIFFERENTIAL CORRECTIONS

TCE .9357 TRA-1.1502 TC3 .6177 BAU .1681
 RDE .0235 RRA -.1893 RC3 .4316 FAU .04802
 FDE-2.0993 FRA 1.5814 FC3-2.4921 BSP 7472
 BDE .9360 BRA 1.1656 BC3 .7535 FSP -1097

MID-COURSE EXECUTION ACCURACY

SGT 2257.8 SGR 458.2 SG3 373.8
 RRT .7102 RRF -.7673 RTF -.9401
 SGB 2303.9 R23 -.1221 R13 -.9428
 SGI 2281.6 SG2 319.2 TMA 8.37

ORBIT DETERMINATION ACCURACY

ST 1415.7 SR 93.8 SS 1672.2
 CRT .6746 CRS .5661 CST .9900
 LSA 2186.4 MSA 169.2 SSA 13.1
 EL1 1417.1 EL2 69.2 ALF 2.57

LAUNCH DATE MAY 15 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 331.817

RL 151.22 LAL -1.00 LOL 233.50 VL 26.557 GAL 4.08 AZL 94.64 MCA 138.97 SMA 126.40 ECC .20842 INC 4.6445 V1 29.464
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.351 GAP -8.91 AZP 86.49 TAL 164.11 TAP 303.08 RCA 100.05 APO 152.74 V2 34.908
 RC 52.722 GL -32.14 GP 12.35 ZAL 67.92 ZAP 22.91 ETS 328.39 ZAE 146.52 ETE 39.17 ZAC 89.19 ETC 13.98 CLP -19.45

PLANETOCENTRIC CONIC

C3 16.253 VHL 4.032 DLA -25.39 RAL 157.30 RAD 6567.7 VEL 11.732 PTH 2.07 VMP 6.055 DPA 17.10 RAP 180.17 ECC 1.2675
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 28 29 1215.97 10.71 343.83 18.50 116.37 10 48 45 616.0 14.17 336.86
 90.00 14 13 56 5760.07 27.08 273.75 23.92 98.59 15 49 56 5160.1 28.00 265.20
 100.00 11 25 32 1031.77 8.74 329.25 17.45 118.70 11 42 44 431.8 12.50 322.49
 100.00 15 59 34 5419.51 29.29 249.02 24.25 96.24 17 29 53 4819.5 29.85 240.26
 110.00 11 48 37 959.34 4.56 321.21 14.90 123.91 12 4 36 359.3 8.98 314.91
 110.00 17 52 58 5064.70 34.17 222.43 24.61 90.92 19 17 23 4464.7 33.92 213.20

DIFFERENTIAL CORRECTIONS

TCE .9636 TRA-1.1081 TC3 .6635 BAU .1773
 RDE .0750 RRA -.1986 RC3 .4746 FAU .05182
 FDE-2.3467 FRA 1.6429 FC3-2.7605 BSP 7568
 BDE .9665 BRA 1.1258 BC3 .8158 FSP -1217

MID-COURSE EXECUTION ACCURACY

SGT 2280.5 SGR 505.4 SG3 412.2
 RRT .7768 RRF -.8356 RTF -.9434
 SGB 2335.8 R23 -.1407 R13 -.9471
 SGI 2314.7 SG2 313.5 TMA 9.95

ORBIT DETERMINATION ACCURACY

ST 1466.0 SR 142.4 SS 1791.6
 CRT .9348 CRS .8794 CST .9907
 LSA 2313.3 MSA 166.0 SSA 12.3
 EL1 1472.0 EL2 50.4 ALF 5.19

LAUNCH DATE MAY 15 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 338.470

RL 151.22 LAL -1.00 LOL 233.50 VL 26.631 GAL 3.90 AZL 94.83 MCA 142.15 SMA 126.87 ECC .20320 INC 4.8265 V1 29.464
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.414 GAP -8.29 AZP 86.19 TAL 164.33 TAP 306.49 RCA 101.09 APO 152.65 V2 34.920
 RC 54.330 GL -34.00 GP 13.98 ZAL 68.93 ZAP 25.75 ETS 328.46 ZAE 145.28 ETE 39.82 ZAC 88.05 ETC 13.71 CLP -21.85

PLANETOCENTRIC CONIC

C3 15.982 VHL 3.998 DLA -26.82 RAL 155.85 RAD 6567.6 VEL 11.720 PTH 2.07 VMP 5.753 DPA 18.26 RAP 181.62 ECC 1.2630
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 54 42 1104.21 14.00 337.27 18.05 114.86 11 13 7 504.2 17.24 330.09
 90.00 13 36 7 5864.17 25.81 281.11 22.23 102.07 15 13 51 5264.2 27.22 272.72
 100.00 11 43 24 946.94 11.47 324.44 16.76 117.79 11 59 11 346.9 15.10 317.53
 100.00 15 30 7 5496.67 28.59 254.65 22.82 99.12 17 1 43 4896.7 29.55 245.98
 110.00 11 57 53 901.43 6.75 318.16 13.93 123.59 12 12 55 301.4 11.12 311.79
 110.00 17 32 6 5114.94 34.05 226.35 23.51 93.24 18 57 21 4514.9 34.12 217.11

DIFFERENTIAL CORRECTIONS

TCE .9934 TRA-1.0649 TC3 .6961 BAU .1860
 RDE .1367 RRA -.2117 RC3 .5231 FAU .05583
 FDE-2.6324 FRA 1.7043 FC3-3.0242 BSP 7654
 BDE 1.0028 BRA 1.0857 BC3 .8707 FSP -1348

MID-COURSE EXECUTION ACCURACY

SGT 2293.8 SGR 573.5 SG3 453.7
 RRT .8310 RRF -.8903 RTF -.9463
 SGB 2364.4 R23 -.1600 R13 -.9512
 SGI 2343.7 SG2 312.2 TMA 11.95

ORBIT DETERMINATION ACCURACY

ST 1513.5 SR 221.3 SS 1919.6
 CRT .9900 CRS .9642 CST .9913
 LSA 2449.0 MSA 163.3 SSA 11.3
 EL1 1529.3 EL2 30.9 ALF 8.24

LAUNCH DATE MAY 15 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 345.107

RL 151.22 LAL -.00 LOL 233.50 VL 26.698 GAL 3.74 AZL 95.04 MCA 145.34 SMA 127.31 ECC .19445 INC 5.0367 V1 29.464
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.473 GAP -7.69 A7P 85.85 TAL 164.56 TAP 309.90 RCA 102.04 APO 152.57 V2 34.932
 RC 56.016 GL -35.94 GP 15.94 ZAL 69.97 ZAP 28.87 ETS 328.28 ZAE 144.03 ETE 41.07 ZAC 86.96 ETC 13.42 CLP -24.39

PLANETOCENTRIC CONIC

C3 15.879 VHL 3.985 DLA -28.32 RAL 154.33 RAD 6567.6 VEL 11.716 PTH 2.06 VMP 5.476 DPA 19.77 RAP 183.10 ECC 1.2613
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 89.41 12 4 19 855.00 20.89 322.04 19.22 109.57 12 18 34 255.0 23.37 314.24
 90.59 12 14 23 822.41 20.90 319.65 19.23 109.56 12 28 5 222.4 23.38 311.86
 100.00 12 9 30 838.23 14.84 318.12 16.54 116.25 12 23 28 238.2 18.25 310.99
 100.00 14 51 53 5602.46 27.21 262.21 21.24 102.87 16 25 16 5002.5 28.71 253.72
 110.00 12 9 25 838.46 9.11 314.80 13.20 123.09 12 23 24 238.5 13.40 308.34
 110.00 17 8 27 5174.98 33.72 231.01 22.49 95.97 18 34 42 4575.0 34.18 221.80

DIFFERENTIAL CORRECTIONS

TDE 1.0252 TRA -1.0195 TC3 .7162 BAU .1954
 RDE .2128 RRA -.2292 RC3 .5783 FAU .06004
 FDE -2.9610 FRA 1.7609 FC3 -3.2737 BSP 7743
 BDE 1.0471 BRA 1.0450 BC3 .9205 FSP -1490

MID-COURSE EXECUTION ACCURACY

SGT 2296.0 SGR 668.0 SG3 497.9
 RRT .8721 RRF -.9306 RTF -.9489
 SGB 2391.2 R23 -.1777 R13 -.9556
 SG1 2370.2 SG2 316.7 TMA 14.50

ORBIT DETERMINATION ACCURACY

ST 1556.5 SR 326.2 SS 2055.5
 CRT .9992 CRS .9982 CST .9919
 LSA 2593.9 MSA 161.0 SSA 10.4
 EL1 1590.3 EL2 12.8 ALF 11.83

LAUNCH DATE MAY 15 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 351.729

RL 151.22 LAL -.00 LOL 233.50 VL 26.758 GAL 3.59 AZL 95.28 MCA 148.52 SMA 127.70 ECC .19415 INC 5.2840 V1 29.464
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.528 GAP -7.11 A7P 85.49 TAL 164.79 TAP 313.31 RCA 102.91 APO 152.50 V2 34.945
 RC 57.772 GL -37.99 GP 18.32 ZAL 71.03 ZAP 32.31 ETS 327.88 ZAE 142.68 ETE 42.96 ZAC 85.94 ETC 13.11 CLP -27.09

PLANETOCENTRIC CONIC

C3 15.967 VHL 3.996 DLA -29.91 RAL 152.74 RAD 6567.6 VEL 11.720 PTH 2.06 VMP 5.227 DPA 21.71 RAP 184.65 ECC 1.262H
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.93 10 41 2 1104.32 21.98 340.81 18.16 110.81 10 59 27 504.3 24.62 333.00
 100.07 13 24 57 5863.66 22.00 279.84 18.17 110.80 15 2 41 5263.7 24.63 272.03
 79.93 10 41 2 1104.32 21.98 340.81 18.16 110.81 10 59 27 504.3 24.62 333.00
 100.07 13 24 57 5863.66 22.00 279.84 18.17 110.80 15 2 41 5263.7 24.63 272.03
 110.00 12 24 33 766.80 11.74 310.93 12.82 122.34 12 37 20 166.8 15.93 304.32
 110.00 16 40 38 5249.17 33.05 236.70 21.51 99.27 18 8 7 4649.2 33.98 227.58

DIFFERENTIAL CORRECTIONS

TDE 1.0608 TRA -.9710 TC3 .7217 BAU .2060
 RDE .3093 RRA -.2514 RC3 .6410 FAU .06432
 FDE -3.3378 FRA 1.8056 FC3 -3.4873 BSP 7874
 BDE 1.1050 BRA 1.0030 BC3 .9652 FSP -1644

MID-COURSE EXECUTION ACCURACY

SGT 2286.1 SGR 795.0 SG3 543.7
 RRT .9013 RRF -.9580 RTF -.9513
 SGB 2420.4 R23 -.1903 R13 -.9606
 SG1 2398.0 SG2 328.4 TMA 17.75

ORBIT DETERMINATION ACCURACY

ST 1595.7 SR 460.9 SS 2199.3
 CRT .9992 CRS .9959 CST .9926
 LSA 2751.4 MSA 158.7 SSA 9.4
 EL1 1660.8 EL2 17.5 ALF 16.10

LAUNCH DATE MAY 15 1967

FLIGHT TIME 138.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 358.334

RL 151.22 LAL -.00 LOL 233.50 VL 26.813 GAL 3.45 AZL 95.58 MCA 151.71 SMA 128.06 ECC .19029 INC 5.5809 V1 29.464
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.578 GAP -6.54 A7P 85.08 TAL 165.00 TAP 316.72 RCA 103.69 APO 152.43 V2 34.957
 RC 59.590 GL -40.16 GP 21.22 ZAL 72.12 ZAP 36.13 ETS 327.29 ZAE 141.10 ETE 45.52 ZAC 84.97 ETC 12.74 CLP -29.95

PLANETOCENTRIC CONIC

C3 16.287 VHL 4.036 DLA -31.62 RAL 151.06 RAD 6567.7 VEL 11.733 PTH 2.07 VMP 5.014 DPA 24.18 RAP 186.33 ECC 1.2680
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.31 10 0 47 1215.02 23.06 349.57 17.29 112.26 10 21 2 615.0 25.87 341.76
 104.69 13 51 47 5761.98 23.07 272.67 17.30 112.24 15 27 49 5162.0 25.88 264.86
 75.31 10 0 47 1215.02 23.06 349.57 17.29 112.26 10 21 2 615.0 25.87 341.76
 104.69 13 51 47 5761.98 23.07 272.67 17.30 112.24 15 27 49 5162.0 25.88 264.86
 110.00 12 46 15 678.00 14.93 306.02 12.98 121.12 12 57 33 78.0 18.94 299.20
 110.00 16 5 30 5347.01 31.74 244.02 20.44 103.42 17 34 37 4747.0 33.26 235.12

DIFFERENTIAL CORRECTIONS

TDE 1.0961 TRA -.9231 TC3 .6998 BAU .2169
 RDE .4339 RRA -.2796 RC3 .7090 FAU .06809
 FDE -3.7559 FRA 1.8353 FC3 -3.6191 BSP 7958
 BDE 1.1788 BRA .9646 BC3 .9962 FSP -1790

MID-COURSE EXECUTION ACCURACY

SGT 2260.3 SGR 961.4 SG3 588.1
 RRT .9200 RRF -.9754 RTF -.9527
 SGB 2456.3 R23 -.1971 R13 -.9656
 SG1 2431.2 SG2 350.3 TMA 21.85

ORBIT DETERMINATION ACCURACY

ST 1623.2 SR 631.9 SS 2344.1
 CRT .9977 CRS .9985 CST .9930
 LSA 2916.1 MSA 157.7 SSA 8.3
 EL1 1741.4 EL2 39.6 ALF 21.24

LAUNCH DATE MAY 15 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 364.921

RL 151.22 LAL -.00 LOL 233.50 VL 26.861 GAL 3.33 AZL 95.95 MCA 154.90 SMA 128.38 ECC .18684 INC 5.9466 V1 29.464
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.625 GAP -5.98 A7P 84.61 TAL 165.21 TAP 320.11 RCA 104.40 APO 152.37 V2 34.970
 RC 61.464 GL -42.50 GP 24.79 ZAL 73.24 ZAP 40.41 ETS 326.53 ZAE 139.11 ETE 48.76 ZAC 84.02 ETC 12.32 CLP -32.99

PLANETOCENTRIC CONIC

C3 16.908 VHL 4.112 DLA -33.47 RAL 149.26 RAD 6567.7 VEL 11.760 PTH 2.08 VMP 4.846 DPA 27.31 RAP 188.26 ECC 1.2783
 LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 71.36 9 27 46 1303.78 24.10 356.85 16.67 113.96 9 49 30 703.8 27.12 349.05
 108.64 14 10 25 5690.37 24.11 267.67 16.67 113.95 15 45 16 5090.4 27.13 259.87
 71.36 9 27 46 1303.78 24.10 356.85 16.67 113.96 9 49 30 703.8 27.12 349.05
 108.64 14 10 25 5690.37 24.11 267.67 16.67 113.95 15 45 16 5090.4 27.13 259.87
 110.00 13 25 54 5826.79 19.65 275.89 14.30 118.55 15 3 1 5226.8 23.31 268.66
 110.00 15 11 28 5903.40 28.72 255.19 18.72 109.39 16 43 12 4903.4 31.09 246.79

DIFFERENTIAL CORRECTIONS

TDE 1.1370 TRA -.8719 TC3 .6587 BAU .2309
 RDE .5997 RRA -.3135 RC3 .7807 FAU .07102
 FDE -4.2122 FRA 1.8306 FC3 -3.6365 BSP 8150
 BDE 1.2855 BRA .9265 BC3 1.0214 FSP -1929

MID-COURSE EXECUTION ACCURACY

SGT 2219.1 SGR 1176.7 SG3 627.5
 RRT .9322 RRF -.9860 RTF -.9538
 SGB 2511.8 R23 -.1923 R13 -.9718
 SG1 2482.8 SG2 380.6 TMA 26.99

ORBIT DETERMINATION ACCURACY

ST 1643.6 SR 850.4 SS 2487.4
 CRT .9965 CRS .9995 CST .9935
 LSA 3096.3 MSA 156.4 SSA 7.3
 EL1 1849.5 EL2 63.6 ALF 27.31

LAUNCH DATE MAY 15 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

RL 151.22 LAL -1.00 LOL 233.50 VL 26.904 GAL 3.23 AZL 96.41 HCA 158.09 SMA 128.67 ECC .1837H INC 6.4114 V1 29.464
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.66H GAP -5.44 AZP 84.05 TAL 165.40 TAP 323.49 RCA 105.03 APO 152.32 V2 34.983
 RC 63.38H GL -45.07 GP 29.23 ZAL 74.41 ZAP 45.24 ETS 325.67 ZAE 136.43 ETE 52.59 ZAC 83.06 ETC 11.82 CLP -36.21

PLANETOCENTRIC CONIC

C3 17.955 VHL 4.237 CLA -35.51 RAL 147.29 RAD 6567.7 VEL 11.804 PTH 2.09 VHP 4.741 DPA 31.24 RAP 190.60 ECC 1.2955
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 67.62 8 57 46 1384.91 25.05 3.70 16.34 116.03 9 20 51 784.9 28.34 355.95
 112.38 14 24 42 5637.06 25.07 263.98 16.34 116.02 15 58 39 5037.1 28.35 256.23
 67.62 8 57 46 1384.91 25.05 3.70 16.34 116.03 9 20 51 784.9 28.34 355.95
 112.38 14 24 42 5637.06 25.07 263.98 16.34 116.02 15 58 39 5037.1 28.35 256.23
 67.62 8 57 46 1384.91 25.05 3.70 16.34 116.03 9 20 51 784.9 28.34 355.95
 112.38 14 24 42 5637.06 25.07 263.98 16.34 116.02 15 58 39 5037.1 28.35 256.23

DIFFERENTIAL CORRECTIONS

TDE 1.1844 TRA -.8203 TC3 .5929 BAU .2485
 RDE .8253 RRA -.3528 RC3 .8487 FAU .07221
 FDE 4.6809 FRA 1.7760 FC3-3.4818 BSP 8424
 BDE 1.4436 BRA .8929 BC3 1.0353 FSP -2030

MID-COURSE EXECUTION ACCURACY

SGT 2161.9 SGR 1451.2 SG3 655.0
 RRT .9393 RRF -.9921 RTF -.9542
 SGB 2603.8 R23 -.1763 R13 -.9784
 SGI 2569.9 SG2 418.7 THA 33.23

ORBIT DETERMINATION ACCURACY

ST 1652.9 SR 1129.9 SS 2618.1
 CRT .9956 CRS .9998 CST .9938
 LSA 3292.2 MSA 155.9 SSA 6.3
 EL1 2000.3 EL2 87.8 ALF 34.31

LAUNCH DATE MAY 15 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

RL 151.22 LAL -1.00 LOL 233.50 VL 26.942 GAL 3.13 AZL 97.03 HCA 161.28 SMA 128.93 ECC .1810H INC 7.0265 V1 29.464
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.707 GAP -4.92 AZP 83.34 TAL 165.56 TAP 326.84 RCA 105.58 APO 152.28 V2 34.996
 RC 65.357 GL -47.92 GP 34.76 ZAL 75.66 ZAP 50.72 ETS 324.75 ZAE 132.73 ETE 56.44 ZAC 82.04 ETC 11.17 CLP -39.59

PLANETOCENTRIC CONIC

C3 19.660 VHL 4.434 CLA -37.79 RAL 145.06 RAD 6567.8 VEL 11.876 PTH 2.11 VHP 4.730 DPA 36.15 RAP 193.69 ECC 1.3236
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.86 8 28 55 1465.37 25.85 10.64 16.38 118.58 8 53 20 865.4 29.45 2.99
 116.14 14 35 51 5599.29 25.86 261.39 16.39 118.57 16 9 10 4999.3 29.46 253.74
 63.86 8 28 55 1465.37 25.85 10.64 16.38 118.58 8 53 20 865.4 29.45 2.99
 116.14 14 35 51 5599.29 25.86 261.39 16.39 118.57 16 9 10 4999.3 29.46 253.74
 63.86 8 28 55 1465.37 25.85 10.64 16.38 118.58 8 53 20 865.4 29.45 2.99
 116.14 14 35 51 5599.29 25.86 261.39 16.39 118.57 16 9 10 4999.3 29.46 253.74

DIFFERENTIAL CORRECTIONS

TDE 1.2498 TRA -.7640 TC3 .5131 BAU .2729
 RDE 1.1418 RRA -.3923 RC3 .9025 FAU .07078
 FDE 5.1192 FRA 1.6351 FC3-3.1167 BSP 9013
 BDE 1.6928 BRA .8589 BC3 1.0382 FSP -2084

MID-COURSE EXECUTION ACCURACY

SGT 2091.8 SGR 1796.9 SG3 661.1
 RRT .9440 RRF -.9955 RTF -.9547
 SGB 2757.6 R23 -.1478 R13 -.9855
 SGI 2719.6 SG2 456.1 THA 40.41

ORBIT DETERMINATION ACCURACY

ST 1657.9 SR 1488.1 SS 2723.3
 CRT .9951 CRS 1.0000 CST .9942
 LSA 3515.1 MSA 154.4 SSA 5.4
 EL1 2225.1 EL2 109.2 ALF 41.90

LAUNCH DATE MAY 15 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

RL 151.22 LAL -1.00 LOL 233.50 VL 26.976 GAL 3.06 AZL 97.88 HCA 164.48 SMA 129.16 ECC .17874 INC 7.8844 V1 29.464
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.743 GAP -4.40 AZP 82.40 TAL 165.70 TAP 330.17 RCA 106.07 APO 152.24 V2 35.009
 RC 67.365 GL -51.16 GP 41.67 ZAL 77.05 ZAP 56.91 ETS 323.84 ZAE 127.60 ETE 61.16 ZAC 80.88 ETC 10.25 CLP -43.05

PLANETOCENTRIC CONIC

C3 22.506 VHL 4.744 CLA -40.37 RAL 142.46 RAD 6567.9 VEL 11.995 PTH 2.14 VHP 4.871 DPA 42.14 RAP 198.12 ECC 1.3704
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.94 7 59 50 1551.27 26.29 18.10 16.91 121.81 8 25 41 951.3 30.29 10.65
 120.06 14 44 9 5578.30 26.30 259.93 16.91 121.80 16 17 7 4978.3 30.30 252.47
 59.94 7 59 50 1551.27 26.29 18.10 16.91 121.81 8 25 41 951.3 30.29 10.65
 120.06 14 44 9 5578.30 26.30 259.93 16.91 121.80 16 17 7 4978.3 30.30 252.47
 59.94 7 59 50 1551.27 26.29 18.10 16.91 121.81 8 25 41 951.3 30.29 10.65
 120.06 14 44 9 5578.30 26.30 259.93 16.91 121.80 16 17 7 4978.3 30.30 252.47

DIFFERENTIAL CORRECTIONS

TDE 1.3665 TRA -.6892 TC3 .4501 BAU .3122
 RDE 1.6060 RRA -.4119 RC3 .9351 FAU .06669
 FDE 5.4642 FRA 1.3473 FC3-2.5653 BSP 10443
 BDE 2.1087 BRA .8029 BC3 1.0378 FSP -2110

MID-COURSE EXECUTION ACCURACY

SGT 2024.8 SGR 2230.6 SG3 635.1
 RRT .9506 RRF -.9974 RTF -.9583
 SGB 3012.5 R23 -.1086 R13 -.9920
 SGI 2975.5 SG2 471.2 THA 47.91

ORBIT DETERMINATION ACCURACY

ST 1682.7 SR 1949.6 SS 2790.7
 CRT .9954 CRS 1.0000 CST .9951
 LSA 3794.5 MSA 147.9 SSA 4.5
 EL1 2572.5 EL2 121.7 ALF 49.22

LAUNCH DATE MAY 15 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

RL 151.22 LAL -1.00 LOL 233.50 VL 27.005 GAL 3.00 AZL 99.17 HCA 167.66 SMA 129.35 ECC .17674 INC 9.1739 V1 29.464
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.776 GAP -3.90 AZP 81.03 TAL 165.79 TAP 333.45 RCA 106.49 APO 152.21 V2 35.023
 RC 69.409 GL -54.90 GP 50.23 ZAL 78.62 ZAP 63.81 ETS 322.93 ZAE 120.61 ETE 64.96 ZAC 79.43 ETC 8.74 CLP -46.37

PLANETOCENTRIC CONIC

C3 27.618 VHL 5.255 CLA -43.30 RAL 139.27 RAD 6568.1 VEL 12.206 PTH 2.19 VHP 5.286 DPA 49.17 RAP 205.16 ECC 1.4545
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 55.76 7 29 17 1650.57 25.99 26.53 18.10 125.94 7 56 48 1050.6 30.49 19.43
 124.24 14 49 15 5579.76 26.01 259.83 18.11 125.93 16 22 15 4979.8 30.51 252.74
 55.76 7 29 17 1650.57 25.99 26.53 18.10 125.94 7 56 48 1050.6 30.49 19.43
 124.24 14 49 15 5579.76 26.01 259.83 18.11 125.93 16 22 15 4979.8 30.51 252.74
 55.76 7 29 17 1650.57 25.99 26.53 18.10 125.94 7 56 48 1050.6 30.49 19.43
 124.24 14 49 15 5579.76 26.01 259.83 18.11 125.93 16 22 15 4979.8 30.51 252.74

DIFFERENTIAL CORRECTIONS

TDE 1.4773 TRA -.6938 TC3 .2521 BAU .3107
 RDE 2.2390 RRA -.4585 RC3 .8028 FAU .04954
 FDE 5.3828 FRA 1.1027 FC3-1.5528 BSP 10178
 BDE 2.6825 BRA .8316 BC3 .8415 FSP -1663

MID-COURSE EXECUTION ACCURACY

SGT 1935.1 SGR 2672.6 SG3 545.3
 RRT .9415 RRF -.9982 RTF -.9499
 SGB 3299.6 R23 -.0860 R13 -.9950
 SGI 3255.9 SG2 535.3 THA 54.62

ORBIT DETERMINATION ACCURACY

ST 1640.6 SR 2449.9 SS 2689.7
 CRT .9943 CRS 1.0000 CST .9943
 LSA 3387.8 MSA 160.0 SSA 3.7
 EL1 2944.9 EL2 146.0 ALF 56.25

LAUNCH DATE MAY 15 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 397.548

RL 151.22 LAL -.00 LOL 233.50 VL 27.030 GAL 2.95 AZL 101.35 MCA 170.84 SMA 129.52 ECC .17505 INC11.3450 VI 29.464
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.806 GAP -3.41 AZP 78.80 TAL 165.85 TAP 336.69 RCA 106.85 APO 152.19 V2 35.036
 RC 71.485 GL -59.22 GP 60.72 ZAL 80.54 ZAP 71.24 ETS 321.46 ZAE 111.37 ETE 67.08 ZAC 77.52 ETC 5.65 CLP -48.87

PLANETOCENTRIC CONIC

C3 38.202 VML 6.181 CLA -46.56 RAL 135.13 RAD 6568.5 VEL 12.632 PTH 2.29 VMP 6.262 DPA 56.62 RAP 217.48 ECC 1.6287
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.36 6 56 4 1775.75 24.07 36.34 20.10 131.15 7 25 40 1175.8 29.17 29.86
 128.64 14 49 27 5617.77 24.08 261.63 20.11 131.14 16 23 5 5017.8 29.19 255.15
 51.36 6 56 4 1775.75 24.07 36.34 20.10 131.15 7 25 40 1175.8 29.17 29.86
 128.64 14 49 27 5617.77 24.08 261.63 20.11 131.14 16 23 5 5017.8 29.19 255.15
 51.36 6 56 4 1775.75 24.07 36.34 20.10 131.15 7 25 40 1175.8 29.17 29.86
 128.64 14 49 27 5617.77 24.08 261.63 20.11 131.14 16 23 5 5017.8 29.19 255.15

DIFFERENTIAL CORRECTIONS

TOE 1.8616 TRA -.6695 TC3 .1499 BAU .3131
 RDE 3.2477 RRA -.4033 RC3 .5944 FAU .03133
 FDE 4.9619 FRA .6664 FC3 -.7100 BSP 11563
 BDE 3.7434 BRA .7816 BC3 .6130 FSP -1262

MID-COURSE EXECUTION ACCURACY

SGT 1956.4 SGR 3146.3 SG3 412.0
 RRT .9459 RRF -.9986 RTF -.9553
 SGB 3705.0 R23 -.0568 R13 -.9976
 SG1 3664.7 SG2 544.8 THA 58.77

ORBIT DETERMINATION ACCURACY

ST 1746.9 SR 3015.1 SS 2493.1
 CRT .9948 CRS 1.0000 CST .9953
 LSA 4281.7 MSA 159.2 SSA 2.9
 EL1 3481.2 EL2 153.4 ALF 59.98

LAUNCH DATE MAY 15 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 403.973

RL 151.22 LAL -.00 LOL 233.50 VL 27.050 GAL 2.92 AZL 105.79 MCA 174.00 SMA 129.66 ECC .17369 INC15.7899 VI 29.464
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.833 GAP -2.95 AZP 74.29 TAL 165.85 TAP 339.85 RCA 107.14 APO 152.19 V2 35.049
 RC 73.590 GL -63.86 GP 73.37 ZAL 82.95 ZAP 78.66 ETS 314.10 ZAE 99.41 ETE 61.69 ZAC 74.76 ETC 355.00 CLP -46.60

PLANETOCENTRIC CONIC

C3 67.062 VML 8.189 CLA -49.70 RAL 129.70 RAD 6569.3 VEL 13.726 PTH 2.51 VMP 8.689 DPA 62.26 RAP 240.32 ECC 2.1037
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 47.28 6 20 29 1949.43 18.56 47.57 23.14 136.98 6 52 58 1349.4 24.31 42.01
 132.72 14 41 41 5723.05 18.58 266.18 23.15 136.97 16 17 4 5123.0 24.33 260.61
 47.28 6 20 29 1949.43 18.56 47.57 23.14 136.98 6 52 58 1349.4 24.31 42.01
 132.72 14 41 41 5723.05 18.58 266.18 23.15 136.97 16 17 4 5123.0 24.33 260.61
 47.28 6 20 29 1949.43 18.56 47.57 23.14 136.98 6 52 58 1349.4 24.31 42.01
 132.72 14 41 41 5723.05 18.58 266.18 23.15 136.97 16 17 4 5123.0 24.33 260.61

DIFFERENTIAL CORRECTIONS

TOE 3.3090 TRA -.7111 TC3 .0593 BAU .2140
 RDE 4.6924 RRA -.1451 RC3 .2312 FAU .00964
 FDE 4.0666 FRA .2701 FC3 -.1245 BSP 12690
 BDE 5.7417 BRA .7258 BC3 .2387 FSP -743

MID-COURSE EXECUTION ACCURACY

SGT 2441.5 SGR 3308.5 SG3 247.7
 RRT .9604 RRF -.9976 RTF -.9758
 SGB 4111.9 R23 -.0348 R13 -.9990
 SG1 4074.6 SG2 552.2 THA 53.91

ORBIT DETERMINATION ACCURACY

ST 2326.6 SR 3283.4 SS 2137.1
 CRT .9964 CRS .9999 CST .9977
 LSA 4553.5 MSA 162.9 SSA 1.7
 EL1 4020.9 EL2 161.4 ALF 54.71

LAUNCH DATE MAY 15 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 410.249

RL 151.22 LAL -.00 LOL 233.50 VL 27.068 GAL 2.93 AZL 119.65 MCA 177.05 SMA 129.78 ECC .17273 INC29.6500 VI 29.464
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.858 GAP -2.52 AZP 60.38 TAL 165.69 TAP 342.74 RCA 107.37 APO 152.20 V2 35.062
 RC 75.721 GL -65.64 GP 83.64 ZAL 86.05 ZAP 85.18 ETS 204.75 ZAE 82.06 ETE 312.85 ZAC 69.45 ETC 239.21 CLP 40.69

PLANETOCENTRIC CONIC

C3 215.487 VML 14.679 CLA -49.60 RAL 124.58 RAD 6571.2 VEL 18.352 PTH 3.03 VMP 17.012 DPA 59.21 RAP 276.75 ECC 4.5464
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 47.41 6 0 27 2178.75 6.84 57.20 28.70 139.25 6 36 45 1578.8 12.86 52.28
 132.59 14 20 51 666.23 6.85 298.09 28.72 139.25 14 31 58 66.2 12.88 293.16
 47.41 6 0 27 2178.75 6.84 57.20 28.70 139.25 6 36 45 1578.8 12.86 52.28
 132.59 14 20 51 666.23 6.85 298.09 28.72 139.25 14 31 58 66.2 12.88 293.16
 47.41 6 0 27 2178.75 6.84 57.20 28.70 139.25 6 36 45 1578.8 12.86 52.28
 132.59 14 20 51 666.23 6.85 298.09 28.72 139.25 14 31 58 66.2 12.88 293.16

DIFFERENTIAL CORRECTIONS

TOE 9.1522 TRA .6351 TC3 -.1132 BAU .5171
 RDE 6.1149 RRA .7854 RC3 .1393 FAU -.01399
 FDE 3.2833 FRA .0717 FC3 .0562 BSP 13082
 BDE 11.0070 BRA 1.0101 BC3 .1795 FSP -325

MID-COURSE EXECUTION ACCURACY

SGT 3608.0 SGR 2467.3 SG3 111.7
 RRT -.9527 RRF .9865 RTF -.9896
 SGB 4370.9 R23 -.0472 R13 .9989
 SG1 4325.9 SG2 625.4 THA 146.11

ORBIT DETERMINATION ACCURACY

ST 3574.1 SR 2391.0 SS 1883.8
 CRT -.9958 CRS -.9988 CST .9991
 LSA 4691.0 MSA 183.4 SSA .5
 EL1 4296.2 EL2 181.8 ALF 146.26

LAUNCH DATE MAY 15 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 418.055

RL 151.22 LAL -.00 LOL 233.50 VL 27.081 GAL 2.68 AZL 26.52 MCA 181.44 SMA 129.88 ECC .17067 INC63.4765 VI 29.464
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.880 GAP -1.71 AZP 153.48 TAL 166.79 TAP 348.23 RCA 107.71 APO 152.04 V2 35.075
 RC 77.874 GL 54.28 GP -60.00 ZAL 88.29 ZAP 88.72 ETS 174.63 ZAE 66.70 ETE 67.20 ZAC 86.72 ETC 140.59 CLP 87.44

PLANETOCENTRIC CONIC

C3 888.824 VML 29.813 CLA 60.85 RAL 183.16 RAD 6572.9 VEL 31.782 PTH 3.48 VMP 40.129 DPA -69.50 RAP 13.30 ECC15.6278
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 33.60 21 13 12 5037.93 .02 240.93 93.19 29.15 22 37 9 4437.9 -6.96 237.43
 146.40 6 55 30 3360.60 .03 102.93 93.16 29.15 7 51 31 2760.6 -6.95 99.43
 33.60 21 13 12 5037.93 .02 240.93 93.19 29.15 22 37 9 4437.9 -6.96 237.43
 146.40 6 55 30 3360.60 .03 102.93 93.16 29.15 7 51 31 2760.6 -6.95 99.43
 33.60 21 13 12 5037.93 .02 240.93 93.19 29.15 22 37 9 4437.9 -6.96 237.43
 146.40 6 55 30 3360.60 .03 102.93 93.16 29.15 7 51 31 2760.6 -6.95 99.43

DIFFERENTIAL CORRECTIONS

TOE 5.0801 TRA -2.9512 TC3 -.1367 BAU 3.6077
 RDE 4.5863 RRA -8.2958 RC3 -.2711 FAU -.06134
 FDE 1.0747 FRA 1.8196 FC3 .0597 BSP 7310
 BDE 6.8441 BRA 8.8051 BC3 .3036 FSP -133

MID-COURSE EXECUTION ACCURACY

SGT 1724.4 SGR 3755.1 SG3 71.5
 RRT .9249 RRF -.9999 RTF -.9305
 SGB 4132.1 R23 -.0491 R13 -.9988
 SG1 4088.0 SG2 602.3 THA 66.45

ORBIT DETERMINATION ACCURACY

ST 1037.2 SR 1320.3 SS 1035.2
 CRT .8797 CRS .9995 CST .8949
 LSA 1927.2 MSA 420.2 SSA .4
 EL1 1630.8 EL2 399.4 ALF 52.74

LAUNCH DATE MAY 15 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 423.742

RL 151.22 LAL -.00 LOL 233.50 VL 27.092 GAL 2.82 AZL 73.94 MCA 184.01 SMA 129.95 ECC .17070 INC16.0600 V1 29.464
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.899 GAP -1.44 A7P 106.02 TAL 166.09 TAP 350.10 RCA 107.77 APO 152.13 V2 35.088
 RC 80.046 GL 64.39 GP -85.43 ZAL 83.39 ZAP 86.69 ETS 34.74 ZAE 98.71 ETE 291.29 ZAC 102.74 ETC 7.79 CLP -43.47

PLANETOCENTRIC CONIC

C3 68.916 VML 8.302 DLA 62.76 RAL 208.21 RAD 6569.3 VEL 13.794 PTH 2.52 VHP 12.520 DPA -65.67 RAP 109.06 ECC 2.1342
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 31.32 22 47 33 4691.06 -21.42 232.11 106.57 29.45 24 5 44 4091.1 -28.32 228.07
 148.68 8 40 58 2994.39 -21.41 91.41 106.55 29.44 9 30 52 2394.4 -28.31 87.37
 31.32 22 47 33 4691.06 -21.42 232.11 106.57 29.45 24 5 44 4091.1 -28.32 228.07
 148.68 8 40 58 2994.39 -21.41 91.41 106.55 29.44 9 30 52 2394.4 -28.31 87.37
 31.32 22 47 33 4691.06 -21.42 232.11 106.57 29.45 24 5 44 4091.1 -28.32 228.07
 148.68 8 40 58 2994.39 -21.41 91.41 106.55 29.44 9 30 52 2394.4 -28.31 87.37

DIFFERENTIAL CORRECTIONS

TOE .9264 TRA -.7304 TC3 .0172 BAU .2133
 RDE -.0413 RRA 2.9785 RC3 -.2309 FAU .00785
 FDE -.1849 FRA 1.1461 FC3 -.0986 BSP 13851
 BDE .9273 BRA 3.0667 BC3 .2316 FSP -460

MID-COURSE EXECUTION ACCURACY

SGT 1274.0 SGR 4508.2 SG3 150.4
 RRT -.8666 RRF .9977 RTF -.8974
 SGB 4684.7 R23 .0326 R13 .9993
 SG1 4643.9 SG2 617.2 THA 104.01

ORBIT DETERMINATION ACCURACY

ST 719.7 SR 1347.9 SS 577.6
 CRT -.4778 CRS -.9759 CST .6581
 LSA 1515.6 MSA 609.4 SSA .9
 EL1 1401.9 EL2 607.9 ALF 107.76

LAUNCH DATE MAY 15 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 430.036

RL 151.22 LAL -.00 LOL 233.50 VL 27.100 GAL 2.85 AZL 82.51 MCA 187.13 SMA 130.00 ECC .17043 INC 7.4895 V1 29.464
 RP 107.96 LAP -.93 LOP 60.56 VP 37.917 GAP -1.02 A7P 97.43 TAL 165.87 TAP 353.00 RCA 107.85 APO 152.16 V2 35.101
 RC 82.236 GL 51.56 GP -72.66 ZAL 77.52 ZAP 86.51 ETS 11.95 ZAE 111.95 ETE 270.21 ZAC 107.45 ETC 352.49 CLP -78.21

PLANETOCENTRIC CONIC

C3 20.293 VML 4.505 DLA 51.95 RAL 194.35 RAD 6567.8 VEL 11.903 PTH 2.11 VHP 7.373 DPA -54.77 RAP 125.92 ECC 1.3340
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 44.44 22 27 35 4317.63 -33.75 204.94 72.83 47.84 23 39 33 3717.6 -38.89 197.74
 135.56 7 10 23 2762.11 -33.73 81.35 72.82 47.83 7 56 25 2162.1 -38.88 74.15
 44.44 22 27 35 4317.63 -33.75 204.94 72.83 47.84 23 39 33 3717.6 -38.89 197.74
 135.56 7 10 23 2762.11 -33.73 81.35 72.82 47.83 7 56 25 2162.1 -38.88 74.15
 44.44 22 27 35 4317.63 -33.75 204.94 72.83 47.84 23 39 33 3717.6 -38.89 197.74
 135.56 7 10 23 2762.11 -33.73 81.35 72.82 47.83 7 56 25 2162.1 -38.88 74.15

DIFFERENTIAL CORRECTIONS

TOE .4357 TRA .1574 TC3 -.3240 BAU .4643
 RDE .2363 RRA 2.0561 RC3 -1.6806 FAU .03401
 FDE .1308 FRA 1.6639 FC3 -1.4509 BSP 13999
 BDE .4957 BRA 2.0621 BC3 1.7115 FSP -1004

MID-COURSE EXECUTION ACCURACY

SGT 705.5 SGR 4514.6 SG3 317.7
 RRT .6236 RRF .9996 RTF .6123
 SGB 4569.4 R23 .0260 R13 .9993
 SG1 4536.3 SG2 548.9 THA 84.35

ORBIT DETERMINATION ACCURACY

ST 562.7 SR 1308.6 SS 665.1
 CRT .3951 CRS -.9974 CST -.3282
 LSA 1485.1 MSA 515.6 SSA 1.8
 EL1 1330.6 EL2 508.3 ALF 78.68

LAUNCH DATE MAY 15 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 436.382

RL 151.22 LAL -.00 LOL 233.50 VL 27.105 GAL 2.89 AZL 85.85 MCA 190.31 SMA 130.04 ECC .17034 INC 4.1491 V1 29.464
 RP 107.92 LAP -.74 LOP 63.78 VP 37.932 GAP -.58 A7P 94.08 TAL 165.67 TAP 355.98 RCA 107.89 APO 152.19 V2 35.113
 RC 84.440 GL 36.42 GP -62.82 ZAL 72.51 ZAP 88.25 ETS 4.44 ZAE 121.31 ETE 263.04 ZAC 110.73 ETC 351.71 CLP -86.16

PLANETOCENTRIC CONIC

C3 10.883 VML 3.299 DLA 38.70 RAL 183.71 RAD 6567.4 VEL 11.501 PTH 2.00 VHP 5.488 DPA -45.73 RAP 132.63 ECC 1.1791
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.43 22 54 11 3998.16 -30.52 173.11 46.34 64.95 24 0 50 3398.2 -33.62 164.82
 117.57 5 18 53 2804.05 -30.51 82.65 46.34 64.94 6 5 37 2204.1 -33.61 74.36
 62.43 22 54 11 3998.16 -30.52 173.11 46.34 64.95 24 0 50 3398.2 -33.62 164.82
 117.57 5 18 53 2804.05 -30.51 82.65 46.34 64.94 6 5 37 2204.1 -33.61 74.36
 62.43 22 54 11 3998.16 -30.52 173.11 46.34 64.95 24 0 50 3398.2 -33.62 164.82
 117.57 5 18 53 2804.05 -30.51 82.65 46.34 64.94 6 5 37 2204.1 -33.61 74.36

DIFFERENTIAL CORRECTIONS

TOE .2795 TRA .2983 TC3 -1.1009 BAU .4983
 RDE .1344 RRA 1.6344 RC3 -3.2429 FAU .06089
 FDE .1096 FRA 2.3180 FC3 -4.8438 BSP 13525
 BDE .3101 BRA 1.6614 BC3 3.4247 FSP -1675

MID-COURSE EXECUTION ACCURACY

SGT 1097.3 SGR 4226.5 SG3 524.6
 RRT .8803 RRF .9995 RTF .8765
 SGB 4366.6 R23 .0342 R13 .9989
 SG1 4337.0 SG2 507.3 THA 76.94

ORBIT DETERMINATION ACCURACY

ST 525.1 SR 1117.7 SS 740.8
 CRT .5657 CRS -.9961 CST -.4909
 LSA 1373.3 MSA 433.5 SSA 3.1
 EL1 1162.7 EL2 416.3 ALF 72.85

LAUNCH DATE MAY 15 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 442.731

RL 151.22 LAL -.00 LOL 233.50 VL 27.107 GAL 2.94 AZL 87.63 MCA 193.51 SMA 130.05 ECC .17045 INC 2.3743 V1 29.464
 RP 107.89 LAP -.55 LOP 66.99 VP 37.944 GAP -.15 A7P 92.31 TAL 165.44 TAP 358.95 RCA 107.88 APO 152.22 V2 35.125
 RC 86.655 GL 23.19 GP -54.82 ZAL 69.15 ZAP 91.41 ETS 359.12 ZAE 128.40 ETE 256.28 ZAC 113.56 ETC 352.30 CLP -92.45

PLANETOCENTRIC CONIC

C3 8.111 VML 2.848 DLA 26.62 RAL 177.22 RAD 6567.3 VEL 11.380 PTH 1.97 VHP 4.577 DPA -37.95 RAP 135.89 ECC 1.1335
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 8 35 3062.19 -27.57 100.93 33.04 83.29 3 59 37 2462.2 -28.22 92.33
 90.00 0 16 41 3625.26 -17.39 138.78 30.15 67.29 1 17 6 3025.3 -20.31 131.33
 100.00 5 0 58 2699.89 -29.72 74.49 33.26 86.66 5 45 57 2099.9 -29.87 65.69
 100.00 1 6 59 3462.79 -15.42 125.92 29.22 64.07 2 4 42 2862.8 -18.78 118.74
 110.00 7 1 32 2322.62 -34.02 45.83 33.24 93.60 7 40 15 1722.6 -33.14 36.70
 110.00 1 22 54 3412.83 -11.67 119.99 27.07 57.64 2 19 47 2812.8 -15.86 113.39

DIFFERENTIAL CORRECTIONS

TOE .1448 TRA .4073 TC3 -2.0458 BAU .4962
 RDE -.0559 RRA 1.3757 RC3 -4.0928 FAU .08553
 FDE -.2522 FRA 2.9342 FC3 -9.1289 BSP 12880
 BDE .1552 BRA 1.4347 BC3 4.5756 FSP -2332

MID-COURSE EXECUTION ACCURACY

SGT 1510.9 SGR 3876.9 SG3 727.5
 RRT .9426 RRF .9993 RTF .9404
 SGB 4160.9 R23 .0470 R13 .9982
 SG1 4133.9 SG2 473.3 THA 69.55

ORBIT DETERMINATION ACCURACY

ST 402.0 SR 938.1 SS 810.9
 CRT .5968 CRS -.9916 CST -.4880
 LSA 1258.6 MSA 339.2 SSA 5.2
 EL1 971.9 EL2 311.4 ALF 73.96

LAUNCH DATE MAY 15 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 449.069

RL 151.22 LAL -.00 LOL 233.50 VL 27.107 GAL 3.00 AZL 88.73 MCA 196.72 SMA 130.05 ECC .17076 INC 1.2697 V1 29.464
 RP 107.85 LAP -.37 LOP 70.21 VP 37.955 GAP .28 AZP 91.22 TAL 165.17 TAP 1.89 RCA 107.84 APO 152.26 V2 35.137
 RC 88.880 GL 12.92 GP -48.12 ZAL 67.15 ZAP 95.49 ETS 355.04 ZAE 133.65 ETE 248.93 ZAC 116.12 ETC 353.32 CLP -98.24

PLANETOCENTRIC CONIC

C3 7.199 VHL 2.683 DLA 17.02 RAL 173.24 RAD 6567.2 VEL 11.340 PTH 1.95 VMP 4.081 DPA -31.19 RAP 137.53 ECC 1.1185
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 7 42 2559.52 -26.17 64.55 24.41 101.22 5 50 21 1959.5 -24.36 56.35
 90.00 21 41 50 4084.51 -3.68 165.53 20.98 61.90 22 49 54 3484.5 -7.41 158.84
 100.00 6 38 47 2265.79 -27.14 42.71 24.18 103.03 7 16 32 1665.8 -25.08 34.52
 100.00 22 53 26 3853.48 -2.81 148.07 20.50 60.23 23 57 39 3253.5 -6.75 141.50
 110.00 8 8 30 1985.08 -29.65 20.60 23.39 107.85 8 41 35 1385.1 -26.92 12.48
 110.00 23 40 12 3706.95 -.61 135.58 19.13 55.82 24 41 59 3107.0 -5.09 129.36

DIFFERENTIAL CORRECTIONS

TDE .0063 TRA .5150 TC3-2.9035 BAU .4907
 RDE -.1992 RRA 1.1866 RC3-4.1908 FAU .10535
 FDE -.7863 FRA 3.4445 FC-12.6702 BSP 12311
 BDE .1993 BRA 1.2936 BC3 5.0983 FSP -2884

MID-COURSE EXECUTION ACCURACY

SGT 1936.6 SGR 3501.5 SG3 898.8
 RRT .9653 RRF .9990 RTF .9639
 SGB 4001.4 R23 .0625 R13 .9970
 SG1 3976.6 SG2 445.2 TMA 61.51

ORBIT DETERMINATION ACCURACY

ST 1936.6 SR 904.2 SS 1008.8
 CRT .8627 CRS -.9906 CST -.7857
 LSA 1382.2 MSA 214.8 SSA 8.8
 EL1 954.5 EL2 167.0 ALF 71.01

LAUNCH DATE MAY 15 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 455.392

RL 151.22 LAL -.00 LOL 233.50 VL 27.104 GAL 3.07 AZL 89.49 MCA 199.94 SMA 130.03 ECC .17128 INC .5122 V1 29.464
 RP 107.82 LAP -.17 LOP 73.43 VP 37.984 GAP .70 AZP 90.48 TAL 164.86 TAP 4.80 RCA 107.76 APO 152.31 V2 35.149
 RC 91.113 GL 5.27 GP -42.41 ZAL 65.95 ZAP 100.08 ETS 351.91 ZAE 137.28 ETE 241.04 ZAC 118.42 ETC 354.60 CLP -103.72

PLANETOCENTRIC CONIC

C3 6.962 VHL 2.639 DLA 9.73 RAL 170.73 RAD 6567.2 VEL 11.329 PTH 1.95 VMP 3.801 DPA -25.31 RAP 138.32 ECC 1.1146
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 1 43 2300.72 -21.56 47.01 19.34 108.81 6 40 4 1700.7 -18.79 39.43
 90.00 20 27 48 4331.51 4.27 179.33 17.26 61.98 21 40 0 3731.5 .49 172.69
 100.00 7 27 51 2022.92 -22.35 26.28 19.04 110.38 8 1 34 1422.9 -19.37 18.75
 100.00 21 44 21 4084.54 5.01 160.76 16.85 60.49 22 52 26 3484.5 1.04 154.22
 110.00 8 47 0 1775.27 -24.44 6.53 18.10 114.68 9 16 35 1175.3 -20.90 359.17
 110.00 22 41 42 3904.96 6.93 145.95 15.66 56.44 23 46 47 3305.0 2.47 139.70

DIFFERENTIAL CORRECTIONS

TDE -.1387 TRA .6228 TC3-3.5931 BAU .4926
 RDE -.2880 RRA 1.0327 RC3-3.8860 FAU .11986
 FDE -1.3667 FRA 3.8103 FC-14.9037 BSP 12026
 BDE .3196 BRA 1.2060 BC3 5.2926 FSP -3316

MID-COURSE EXECUTION ACCURACY

SGT 2359.8 SGR 3126.2 SG3 1026.4
 RRT .9758 RRF .9985 RTF .9747
 SGB 3916.9 R23 .0778 R13 .9955
 SG1 3894.9 SG2 414.2 TMA 53.14

ORBIT DETERMINATION ACCURACY

ST 513.3 SR 927.7 SS 1280.6
 CRT .9930 CRS -.9922 CST -.9714
 LSA 1657.1 MSA 133.6 SSA 13.9
 EL1 1058.9 EL2 53.0 ALF 61.14

LAUNCH DATE MAY 15 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 461.699

RL 151.22 LAL -.00 LOL 233.50 VL 27.099 GAL 3.15 AZL 90.04 MCA 203.16 SMA 130.00 ECC .17200 INC .0262 V1 29.464
 RP 107.78 LAP .02 LOP 76.66 VP 37.971 GAP 1.12 AZP 89.96 TAL 164.51 TAP 7.67 RCA 107.64 APO 152.36 V2 35.160
 RC 93.352 GL -.42 GP -37.52 ZAL 65.11 ZAP 104.89 ETS 349.54 ZAE 139.48 ETE 232.99 ZAC 120.42 ETC 356.06 CLP -108.90

PLANETOCENTRIC CONIC

C3 7.018 VHL 2.649 DLA 4.21 RAL 169.16 RAD 6567.2 VEL 11.332 PTH 1.95 VMP 3.650 DPA -20.20 RAP 138.66 ECC 1.1155
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 38 9 2126.31 -17.33 35.97 16.70 112.75 7 13 35 1526.3 -14.10 28.78
 90.00 19 38 50 4508.72 9.83 189.38 15.77 63.31 20 53 59 3908.7 6.17 182.61
 100.00 8 1 28 1857.58 -18.06 15.87 16.37 114.23 8 32 26 1257.6 -14.64 8.75
 100.00 20 58 13 4252.61 10.54 170.18 15.40 61.86 22 9 5 3652.6 6.70 163.50
 110.00 9 14 14 1629.81 -20.01 357.57 15.35 118.31 -9 41 24 1029.8 -16.07 350.66
 110.00 22 1 56 4053.22 12.41 153.93 14.29 57.89 23 9 29 3453.2 8.08 147.51

DIFFERENTIAL CORRECTIONS

TDE -.2882 TRA .7310 TC3-4.1215 BAU .9026
 RDE -.3314 RRA .9059 RC3-3.4211 FAU .12863
 FDE -1.9002 FRA 4.0452 FC-15.8673 BSP 12002
 BDE .4392 BRA 1.1640 BC3 5.3564 FSP -3603

MID-COURSE EXECUTION ACCURACY

SGT 2769.5 SGR 2767.4 SG3 1108.2
 RRT .9811 RRF .9978 RTF .9804
 SGB 3915.2 R23 .0895 R13 .9938
 SG1 3896.6 SG2 381.0 TMA 44.98

ORBIT DETERMINATION ACCURACY

ST 786.8 SR 929.5 SS 1541.3
 CRT .9930 CRS -.9922 CST -.9961
 LSA 1961.6 MSA 101.8 SSA 17.9
 EL1 1217.5 EL2 26.4 ALF 49.76

LAUNCH DATE MAY 15 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 467.988

RL 151.22 LAL -.00 LOL 233.50 VL 27.093 GAL 3.25 AZL 90.47 MCA 206.39 SMA 129.96 ECC .17293 INC .4649 V1 29.464
 RP 107.75 LAP .21 LOP 79.88 VP 37.976 GAP 1.54 AZP 89.58 TAL 164.11 TAP 10.50 RCA 107.48 APO 152.43 V2 35.170
 RC 95.596 GL -4.70 GP -33.30 ZAL 64.40 ZAP 109.69 ETS 347.77 ZAE 140.48 ETE 225.26 ZAC 122.08 ETC 357.65 CLP -113.77

PLANETOCENTRIC CONIC

C3 7.219 VHL 2.687 DLA -.04 RAL 168.22 RAD 6567.2 VEL 11.341 PTH 1.95 VMP 3.584 DPA -15.78 RAP 138.81 ECC 1.1188
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 6 3 1999.18 -13.83 28.28 15.48 114.96 7 39 22 1399.2 -10.35 21.33
 90.00 19 3 27 4645.85 13.90 197.39 15.49 65.08 20 20 53 4045.8 10.43 190.44
 100.00 8 27 22 1736.86 -14.54 8.64 15.12 116.41 8 56 19 1136.9 -10.88 1.76
 100.00 20 24 49 4383.40 14.62 177.74 15.13 63.63 21 37 52 3783.4 10.96 170.86
 110.00 9 35 34 1523.38 -16.45 351.36 14.05 120.40 10 0 58 923.4 -12.29 344.72
 110.00 21 33 6 4169.64 16.53 160.44 14.06 59.64 22 42 36 3569.6 12.37 153.80

DIFFERENTIAL CORRECTIONS

TDE -.4395 TRA .8394 TC3-4.5140 BAU .5195
 RDE -.3432 RRA .7999 RC3-2.9329 FAU .13227
 FDE -2.3431 FRA 4.1667 FC-15.8634 BSP 12215
 BDE .5576 BRA 1.1595 BC3 5.3831 FSP -3753

MID-COURSE EXECUTION ACCURACY

SGT 3157.0 SGR 2435.0 SG3 1148.1
 RRT .9837 RRF .9966 RTF .9837
 SGB 3986.9 R23 .0950 R13 .9923
 SG1 3971.7 SG2 347.5 TMA 37.53

ORBIT DETERMINATION ACCURACY

ST 1082.6 SR 894.3 SS 1755.4
 CRT .9959 CRS -.9928 CST -.9993
 LSA 2245.8 MSA 95.9 SSA 19.0
 EL1 1402.8 EL2 62.6 ALF 39.54

LAUNCH DATE MAY 15 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 474.258

RL 151.22 LAL -.00 LOL 233.50 VL 27.084 GAL 3.36 AZL 90.80 MCA 209.62 SMA 129.90 ECC .17404 INC .8047 V1 29.464
 RP 107.72 LAP .40 LOP 83.11 VP 37.979 GAP 1.96 AZP 89.30 TAL 163.67 TAP 13.29 RCA 107.29 APO 152.51 V2 35.180
 RC 97.843 GL -7.97 GP -29.65 ZAL 63.72 ZAP 114.36 ETS 346.46 ZAE 140.57 ETE 218.26 ZAC 123.40 ETC 359.30 CLP-118.33

PLANETOCENTRIC CONIC

C3 7.502 VML 2.739 DLA -3.39 RAL 167.73 RAD 6567.2 VEL 11.353 PTH 1.96 VMP 3.577 OPA -11.96 RAP 138.90 ECC 1.1235
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 29 0 1902.12 -10.97 22.59 15.13 116.27 8 0 42 1302.1 -7.35 15.78
 90.00 18 36 38 4756.72 16.97 204.09 15.92 66.99 19 55 54 4156.7 13.71 196.93
 100.00 8 48 45 1644.83 -11.69 3.29 14.75 117.71 9 16 10 1044.8 -7.89 356.57
 100.00 19 59 33 4489.24 17.72 184.07 15.58 65.52 21 14 23 3889.2 14.27 176.98
 110.00 9 53 22 1442.58 -13.61 346.02 13.63 121.66 10 17 24 842.6 -9.33 340.34
 110.00 21 11 26 4264.26 19.70 165.95 14.53 61.48 22 22 30 3664.3 15.74 159.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.5913 TRA .9473 TC3-4.8019 BAU .5423 SGT 3519.9 SGR 2136.0 SG3 1154.2 ST 1375.1 SR 831.7 SS 1918.4
 ROE -.3347 RRA .7108 RC3-2.4854 FAU .13199 RRT .9848 RRF .9949 RTF .9857 CRT .9929 CRS -.9917 CST -.9998
 FOE-2.6838 FRA 4.1964 FC-15.2317 BSP 12635 SGB 4117.3 R23 .0933 R13 .9911 LSA 2500.5 MSA 98.8 SSA 18.7
 BOE .6795 BRA 1.1843 BC3 5.4070 FSP -3792 SG1 4105.0 SG2 318.2 THA 31.07 EL1 1604.8 EL2 84.9 ALF 31.08

LAUNCH DATE MAY 15 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 480.509

RL 151.22 LAL -.00 LOL 233.50 VL 27.074 GAL 3.49 AZL 91.08 MCA 212.85 SMA 129.83 ECC .17535 INC 1.0824 V1 29.464
 RP 107.69 LAP .59 LOP 86.34 VP 37.981 GAP 2.37 AZP 89.09 TAL 163.19 TAP 16.04 RCA 107.06 APO 152.59 V2 35.190
 RC 100.092 GL -10.51 GP -26.49 ZAL 63.00 ZAP 118.81 ETS 345.51 ZAE 140.00 ETE 212.23 ZAC 124.36 ETC .95 CLP-122.57

PLANETOCENTRIC CONIC

C3 7.841 VML 2.800 DLA -6.09 RAL 167.59 RAD 6567.3 VEL 11.368 PTH 1.96 VMP 3.613 OPA -8.68 RAP 139.02 ECC 1.1290
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 48 47 1825.59 -8.63 18.18 15.37 117.07 8 19 12 1225.6 -4.93 11.46
 90.00 18 15 41 4849.32 19.34 209.85 16.82 68.91 19 36 31 4249.3 16.30 202.49
 100.00 9 7 14 1572.51 -9.37 359.18 14.97 118.52 9 33 26 972.5 -5.49 352.54
 100.00 19 39 55 4577.64 20.12 189.54 16.49 67.42 20 56 13 3977.6 16.89 182.24
 110.00 10 8 52 1379.55 -11.33 343.36 13.79 122.47 10 31 51 779.6 -6.97 336.98
 110.00 20 54 47 4343.36 22.19 170.73 15.47 63.31 22 7 10 3743.4 18.43 163.62

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.7392 TRA 1.0582 TC3-4.9888 BAU .5668 SGT 3851.6 SGR 1869.2 SG3 1132.7 ST 1649.7 SR 750.2 SS 2026.5
 ROE -.3116 RRA .6379 RC3-2.0858 FAU .12806 RRT .9843 RRF .9923 RTF .9867 CRT .9894 CRS -.9895 CST -.9999
 FOE-2.9104 FRA 4.1720 FC-14.1403 BSP 13133 SGB 4281.3 R23 .0860 R13 .9902 LSA 2716.6 MSA 104.4 SSA 18.2
 BOE .8022 BRA 1.2356 BC3 5.4073 FSP -3724 SG1 4270.9 SG2 298.0 THA 25.67 EL1 1809.6 EL2 99.1 ALF 24.30

LAUNCH DATE MAY 15 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 486.740

RL 151.22 LAL -.00 LOL 233.50 VL 27.063 GAL 3.63 AZL 91.32 MCA 216.08 SMA 129.75 ECC .17686 INC 1.3157 V1 29.464
 RP 107.66 LAP .78 LOP 89.57 VP 37.981 GAP 2.79 AZP 88.94 TAL 162.67 TAP 18.75 RCA 106.80 APO 152.69 V2 35.199
 RC 102.344 GL -12.49 GP -23.77 ZAL 62.22 ZAP 122.99 ETS 344.82 ZAE 139.02 ETE 207.19 ZAC 124.98 ETC 2.56 CLP-126.51

PLANETOCENTRIC CONIC

C3 8.223 VML 2.867 DLA -8.30 RAL 167.71 RAD 6567.3 VEL 11.385 PTH 1.97 VMP 3.682 OPA -5.89 RAP 139.24 ECC 1.1353
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 6 24 1763.86 -6.70 14.68 16.02 117.58 8 35 48 1163.9 -2.95 8.00
 90.00 17 59 2 4928.66 21.20 214.92 18.05 70.78 19 21 11 4328.7 18.39 207.38
 100.00 9 23 43 1514.41 -7.47 355.92 15.60 119.03 9 48 57 914.4 -5.54 349.33
 100.00 19 24 24 4653.34 22.03 194.35 17.73 69.26 20 41 57 4053.3 19.01 186.86
 110.00 10 22 48 1329.44 -9.49 340.65 14.37 122.99 10 44 57 729.4 -5.08 334.34
 110.00 20 41 49 4411.07 24.20 174.96 16.73 65.09 21 55 20 3811.1 20.64 167.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.8864 TRA 1.1680 TC3-5.1118 BAU .5942 SGT 4158.5 SGR 1638.8 SG3 1094.4 ST 1909.3 SR 665.1 SS 2100.4
 ROE -.2830 RRA .5757 RC3-1.7560 FAU .12258 RRT .9825 RRF .9884 RTF .9875 CRT .9852 CRS -.9860 CST -.9999
 FOE-3.0606 FRA 4.0918 FC-12.9062 BSP 13762 SGB 4469.8 R23 .0733 R13 .9896 LSA 2913.3 MSA 109.7 SSA 17.8
 BOE .9305 BRA 1.3021 BC3 5.4050 FSP -3613 SG1 4460.7 SG2 284.3 THA 21.26 EL1 2018.9 EL2 107.9 ALF 19.00

LAUNCH DATE MAY 15 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 492.950

RL 151.22 LAL -.00 LOL 233.50 VL 27.049 GAL 3.78 AZL 91.52 MCA 219.32 SMA 129.66 ECC .17856 INC 1.5155 V1 29.464
 RP 107.63 LAP .96 LOP 92.80 VP 37.980 GAP 3.20 AZP 88.83 TAL 162.11 TAP 21.43 RCA 106.51 APO 152.81 V2 35.208
 RC 104.596 GL -14.05 GP -21.40 ZAL 61.39 ZAP 126.90 ETS 344.32 ZAE 137.81 ETE 203.06 ZAC 125.28 ETC 4.07 CLP-130.16

PLANETOCENTRIC CONIC

C3 8.643 VML 2.940 DLA -10.15 RAL 168.05 RAD 6567.3 VEL 11.403 PTH 1.97 VMP 3.778 OPA -3.52 RAP 139.58 ECC 1.1422
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 22 28 1713.23 -5.09 11.82 16.98 117.89 8 51 1 1113.2 -1.32 5.17
 90.00 17 45 39 4998.08 22.69 219.47 19.53 72.59 19 8 57 4398.1 20.10 211.76
 100.00 9 38 47 1467.02 -5.89 353.28 16.54 119.36 10 3 14 867.0 -1.94 346.73
 100.00 19 12 1 4719.52 23.56 198.67 19.22 71.04 20 30 40 4119.5 20.75 191.00
 110.00 10 35 36 1289.08 -7.99 338.49 15.25 123.35 10 57 5 689.1 -3.54 332.22
 110.00 20 31 41 4470.23 25.84 178.77 18.25 66.81 21 46 11 3870.2 22.48 171.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.0303 TRA 1.2799 TC3-5.1721 BAU .6217 SGT 4438.7 SGR 1440.2 SG3 1044.4 ST 2149.0 SR 579.8 SS 2141.1
 ROE -.2506 RRA .5243 RC3-1.4810 FAU .11574 RRT .9791 RRF .9830 RTF .9879 CRT .9789 CRS -.9803 CST -.9999
 FOE-3.1373 FRA 3.9859 FC-11.5926 BSP 14437 SGB 4666.5 R23 .0585 R13 .9892 LSA 3086.3 MSA 114.8 SSA 17.5
 BOE 1.0604 BRA 1.3831 BC3 5.3800 FSP -3464 SG1 4658.2 SG2 279.0 THA 17.69 EL1 2222.9 EL2 114.4 ALF 14.83

LAUNCH DATE MAY 15 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 499.140

RL 151.22 LAL -.00 LOL 233.50 VL 27.035 GAL 3.95 AZL 91.69 MCA 222.55 SMA 129.56 ECC .18046 INC 1.6895 V1 29.464
 RP 107.61 LAP 1.14 LOP 96.04 VP 37.977 GAP 3.62 AZP 88.76 TAL 161.52 TAP 24.07 RCA 106.18 APO 152.94 V2 35.216
 RC 106.849 GL -15.28 GP -19.36 ZAL 60.49 ZAP 130.54 ETS 343.94 ZAE 136.49 ETE 199.72 ZAC 125.30 ETC 5.47 CLP-133.54

PLANETOCENTRIC CONIC

C3 9.103 VHL 3.017 OLA -11.72 RAL 168.56 RAD 6567.3 VEL 11.423 PTH 1.98 VMP 3.895 DPA -.153 RAP 140.05 ECC 1.149H
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 37 22 1671.27 -3.75 9.47 18.18 118.09 9 5 14 1071.3 .03 2.83
 90.00 17 34 49 5059.89 23.89 223.60 21.21 74.33 18 59 9 4459.9 21.51 215.74
 100.00 9 52 47 1428.01 -4.59 351.12 17.72 119.57 10 16 35 828.0 -.61 344.59
 100.00 19 2 6 4778.39 24.80 202.60 20.91 72.76 20 21 44 4178.4 22.21 194.77
 110.00 10 47 35 1256.35 -6.76 336.76 16.38 123.59 11 8 32 656.4 -2.30 330.51
 110.00 20 23 47 4522.81 27.21 182.25 19.97 68.46 21 39 10 3922.8 24.03 174.52

DIFFERENTIAL CORRECTIONS

TDE-1.1699 TRA 1.3954 TC3-5.1775 BAU .6483
 RDE -.2163 RRA .4819 RC3-1.2529 FAU .10810
 FDE-3.1544 FRA 3.8668 FC-10.2810 BSP 15095
 BDE 1.1898 BRA 1.4762 BC3 5.3270 FSP -3287

MID-COURSE EXECUTION ACCURACY

SGT 4692.6 SGR 1270.3 SG3 987.4
 RRT .9736 RRF .9753 RTF .9880
 SGB 4861.5 R23 .0436 R13 .9888
 SGI 4853.4 SG2 280.3 TMA 14.82

ORBIT DETERMINATION ACCURACY

ST 2367.3 SR 497.9 SS 2154.3
 CRT .9693 CRS -.9713 CST -.9999
 LSA 3237.0 MSA 119.9 SSA 17.3
 EL1 2416.1 EL2 119.9 ALF 11.55

LAUNCH DATE MAY 15 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 505.307

RL 151.22 LAL -.00 LOL 233.50 VL 27.019 GAL 4.13 AZL 91.84 MCA 225.79 SMA 129.45 ECC .18256 INC 1.8434 V1 29.464
 RP 107.59 LAP 1.32 LOP 99.27 VP 37.973 GAP 4.03 AZP 88.71 TAL 160.89 TAP 26.68 RCA 105.82 APO 153.08 V2 35.223
 RC 109.101 GL -16.24 GP -17.58 ZAL 59.53 ZAP 133.90 ETS 343.65 ZAE 135.16 ETE 197.03 ZAC 125.05 ETC 6.72 CLP-136.67

PLANETOCENTRIC CONIC

C3 9.604 VHL 3.099 OLA -13.05 RAL 169.22 RAD 6567.3 VEL 11.445 PTH 1.99 VMP 4.030 DPA .14 RAP 140.68 ECC 1.158H
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 51 23 1636.31 -2.63 7.51 19.59 118.20 9 18 39 1036.3 1.16 .88
 90.00 17 26 4 5115.74 24.86 227.40 23.05 75.99 18 51 20 4515.7 22.69 219.41
 100.00 10 5 57 1395.75 -3.50 349.34 19.11 119.71 10 29 12 795.7 .48 342.82
 100.00 18 54 11 4831.54 25.83 206.22 22.77 74.40 20 14 43 4231.5 23.43 198.24
 110.00 10 58 56 1229.81 -5.76 335.35 17.71 123.75 11 19 25 629.8 -1.28 329.13
 110.00 20 17 42 4570.25 28.35 185.47 21.86 70.05 21 33 52 3970.2 25.37 177.56

DIFFERENTIAL CORRECTIONS

TDE-1.3062 TRA 1.5143 TC3-5.1395 BAU .6740
 RDE -.1821 RRA .4467 RC3-1.0654 FAU .10025
 FDE-3.1302 FRA 3.7410 FC3-9.0364 BSP 15743
 BDE 1.3189 BRA 1.5788 BC3 5.2488 FSP -3099

MID-COURSE EXECUTION ACCURACY

SGT 4923.3 SGR 1126.1 SG3 927.6
 RRT .9655 RRF .9649 RTF .9880
 SGB 5050.5 R23 .0299 R13 .9884
 SGI 5042.3 SG2 286.3 TMA 12.49

ORBIT DETERMINATION ACCURACY

ST 2566.0 SR 422.4 SS 2147.9
 CRT .9542 CRS -.9569 CST -.9999
 LSA 3370.5 MSA 124.9 SSA 17.2
 EL1 2597.6 EL2 124.9 ALF 8.95

LAUNCH DATE MAY 15 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 511.451

RL 151.22 LAL -.00 LOL 233.50 VL 27.002 GAL 4.33 AZL 91.98 MCA 229.03 SMA 129.33 ECC .18486 INC 1.9813 V1 29.464
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.967 GAP 4.45 AZP 88.70 TAL 160.22 TAP 29.25 RCA 105.43 APO 153.24 V2 35.230
 RC 111.351 GL -16.99 GP -16.04 ZAL 58.51 ZAP 137.02 ETS 343.41 ZAE 133.85 ETE 194.85 ZAC 124.56 ETC 7.84 CLP-139.57

PLANETOCENTRIC CONIC

C3 10.151 VHL 3.186 OLA -14.21 RAL 170.00 RAD 6567.4 VEL 11.469 PTH 1.99 VMP 4.180 DPA 1.52 RAP 141.44 ECC 1.1671
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 4 40 1607.17 -1.69 5.88 21.18 118.27 9 31 27 1007.2 2.10 359.26
 90.00 17 19 2 5166.83 25.66 230.93 25.03 77.59 18 45 9 4566.8 23.69 222.82
 100.00 10 18 27 1369.12 -2.60 347.88 20.67 119.79 10 41 16 769.1 1.38 341.36
 100.00 18 47 57 4880.12 26.67 209.58 24.77 75.98 20 9 17 4280.1 24.48 201.47
 110.00 11 9 45 1208.41 -4.94 334.23 19.21 123.87 11 29 54 608.4 -.46 328.01
 110.00 20 13 7 4613.60 29.32 188.47 23.89 71.58 21 30 1 4013.6 26.53 180.40

DIFFERENTIAL CORRECTIONS

TDE-1.4372 TRA 1.6403 TC3-5.0556 BAU .6970
 RDE -.1480 RRA .4183 RC3 -.9086 FAU .09216
 FDE-3.0699 FRA 3.6216 FC3-7.8600 BSP 16308
 BDE 1.4448 BRA 1.6928 BC3 5.1366 FSP -2895

MID-COURSE EXECUTION ACCURACY

SGT 5130.1 SGR 1004.1 SG3 867.0
 RRT .9541 RRF .9510 RTF .9877
 SGB 5227.4 R23 .0186 R13 .9880
 SGI 5219.0 SG2 295.7 TMA 10.61

ORBIT DETERMINATION ACCURACY

ST 2742.8 SR 354.1 SS 2123.2
 CRT .9291 CRS -.9327 CST -.9999
 LSA 3484.1 MSA 130.2 SSA 17.0
 EL1 2762.5 EL2 130.0 ALF 6.85

LAUNCH DATE MAY 15 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 517.572

RL 151.22 LAL -.00 LOL 233.50 VL 26.984 GAL 4.55 AZL 92.11 MCA 232.27 SMA 129.21 ECC .18738 INC 2.1063 V1 29.464
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.960 GAP 4.87 AZP 88.71 TAL 159.52 TAP 31.79 RCA 105.00 APO 153.42 V2 35.236
 RC 113.598 GL -17.55 GP -14.69 ZAL 57.45 ZAP 139.91 ETS 343.19 ZAE 132.60 ETE 193.08 ZAC 123.88 ETC 8.81 CLP-142.27

PLANETOCENTRIC CONIC

C3 10.747 VHL 3.278 OLA -15.22 RAL 170.89 RAD 6567.4 VEL 11.495 PTH 2.00 VMP 4.343 DPA 2.64 RAP 142.35 ECC 1.1769
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 17 19 1583.04 -.91 4.54 22.90 118.30 9 43 42 983.0 2.88 357.91
 90.00 17 13 28 5214.04 26.31 234.24 27.14 79.13 18 40 22 4614.0 24.54 226.02
 100.00 10 30 23 1347.33 -1.86 346.68 22.37 119.84 10 52 50 747.3 2.12 340.16
 100.00 18 43 6 4924.98 27.37 212.73 26.89 77.49 20 5 11 4325.0 25.37 204.50
 110.00 11 20 9 1191.43 -4.30 333.34 20.85 123.94 11 40 0 591.4 .19 327.12
 110.00 20 9 49 4653.64 30.15 191.29 26.06 73.07 21 27 23 4053.6 27.54 183.08

DIFFERENTIAL CORRECTIONS

TDE-1.5670 TRA 1.7699 TC3-4.9477 BAU .7197
 RDE -.1157 RRA .3942 RC3 -.7811 FAU .08460
 FDE-2.9958 FRA 3.5004 FC3-6.8154 BSP 16893
 BDE 1.5713 BRA 1.8133 BC3 5.0090 FSP -2710

MID-COURSE EXECUTION ACCURACY

SGT 5319.9 SGR 901.7 SG3 808.6
 RRT .9390 RRF .9332 RTF .9874
 SGB 5395.7 R23 .0084 R13 .9876
 SGI 5387.0 SG2 306.3 TMA 9.07

ORBIT DETERMINATION ACCURACY

ST 2904.3 SR 295.0 SS 2091.0
 CRT .8887 CRS -.8933 CST -.9999
 LSA 3588.3 MSA 135.1 SSA 16.9
 EL1 2916.2 EL2 134.7 ALF 5.17

LAUNCH DATE MAY 15 1967 FLIGHT TIME 190.00 ARRIVAL DATE NOV 21 1967

DISTANCE 523.667

HELIOCENTRIC CONIC
RL 151.22 LAL -.00 LOL 233.50 VL 26.965 GAL 4.78 AZL 92.22 MCA 235.52 SMA 129.08 ECC .19012 INC 2.2209 V1 29.464
RP 107.53 LAP 1.83 LOP 108.99 VP 37.951 GAP 5.29 AZP 88.74 TAL 158.79 TAP 34.31 RCA 104.54 APO 153.63 V2 35.241
RC 115.842 GL -17.97 GP -13.52 ZAL 56.34 ZAP 142.59 ETS 342.97 ZAE 131.43 ETE 191.64 ZAC 123.02 ETC 9.65 CLP-144.7H

PLANETOCENTRIC CONIC
C3 11.399 VHL 3.376 CLA -16.10 RAL 171.87 RAD 6567.4 VEL 11.523 PTH 2.01 VMP 4.518 OPA 3.55 RAP 143.38 ECC 1.1876
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 9 29 27 1563.28 -.27 3.43 24.76 118.32 9 55 30 963.3 3.51 356.80
90.00 17 9 9 5258.03 26.83 237.35 29.35 80.60 18 36 47 4658.0 25.26 229.04
100.00 10 41 49 1329.77 -1.27 345.72 24.20 119.87 11 3 59 729.8 2.72 339.19
100.00 18 39 28 4966.77 27.95 215.70 29.12 78.95 20 2 15 4366.8 26.14 207.37
110.00 11 30 10 1178.32 -3.80 332.65 22.62 124.00 11 49 48 578.3 .69 326.44
110.00 20 7 36 4690.99 30.86 193.97 28.34 74.51 21 25 47 4091.0 28.43 185.62

DIFFERENTIAL CORRECTIONS
TDE-1.6945 TRA 1.9058 TC3-4.8152 BAU .7410
RDE -.0846 RRA .3744 RC3 -.6753 FAU .07746
FOE-2.9088 FRA 3.3861 FC3-5.8827 BSP 17443
BOE 1.6966 BRA 1.9423 BC3 4.8624 FSP -2531

MID-COURSE EXECUTION ACCURACY
SGT 5493.0 SGR 816.0 SG3 752.8
RRT .9195 RRF .9107 RTF .9871
SGB 5553.3 R23 .0000 R13 .9871
SG1 5544.2 SG2 317.7 TMA 7.80

ORBIT DETERMINATION ACCURACY
ST 3049.4 SR 245.3 SS 2050.9
CRT .8217 CRS -.8275 CST -.9999
LSA 3680.4 MSA 140.1 SSA 16.7
EL1 3056.1 EL2 139.5 ALF 3.79

LAUNCH DATE MAY 15 1967 FLIGHT TIME 192.00 ARRIVAL DATE NOV 23 1967

DISTANCE 529.737

HELIOCENTRIC CONIC
RL 151.22 LAL -.00 LOL 233.50 VL 26.945 GAL 5.03 AZL 92.33 MCA 238.76 SMA 128.95 ECC .19309 INC 2.3269 V1 29.464
RP 107.52 LAP 1.99 LOP 112.24 VP 37.941 GAP 5.72 AZP 88.79 TAL 158.03 TAP 36.79 RCA 104.05 APO 153.85 V2 35.246
RC 118.080 GL -18.25 GP -12.49 ZAL 55.20 ZAP 145.09 ETS 342.74 ZAE 130.35 ETE 190.46 ZAC 122.00 ETC 10.36 CLP-147.13

PLANETOCENTRIC CONIC
C3 12.114 VHL 3.481 CLA -16.87 RAL 172.92 RAD 6567.5 VEL 11.554 PTH 2.02 VMP 4.705 OPA 4.27 RAP 144.53 ECC 1.1994
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 9 41 4 1547.48 .24 2.55 26.72 118.32 10 6 51 947.5 4.02 355.92
90.00 17 5 56 5299.32 27.26 240.30 31.66 82.02 18 34 15 4699.3 25.87 231.91
100.00 10 52 48 1316.03 -.80 344.96 26.14 119.88 11 14 44 716.0 3.18 338.44
100.00 18 36 53 5006.00 28.43 218.52 31.46 80.36 20 0 19 4406.0 26.81 210.09
110.00 11 39 50 1168.69 -3.43 332.14 24.50 124.03 11 59 18 568.7 1.06 325.94
110.00 20 6 20 4726.11 31.47 196.53 30.72 75.91 21 25 7 4126.1 29.21 188.05

DIFFERENTIAL CORRECTIONS
TDE-1.8198 TRA 2.0490 TC3-4.6599 BAU .7606
RDE -.0546 RRA .3579 RC3 -.5864 FAU .07070
FOE-2.8139 FRA 3.2795 FC3-5.0527 BSP 17961
BOE 1.8206 BRA 2.0800 BC3 4.6966 FSP -2362

MID-COURSE EXECUTION ACCURACY
SGT 5649.7 SGR 744.1 SG3 700.1
RRT .8952 RRF .8832 RTF .9867
SGB 5698.5 R23 -.0069 R13 .9867
SG1 5689.0 SG2 329.4 TMA 6.75

ORBIT DETERMINATION ACCURACY
ST 3178.3 SR 205.8 SS 2005.0
CRT .7123 CRS -.7196 CST -.9999
LSA 3760.7 MSA 145.0 SSA 16.6
EL1 3181.7 EL2 144.3 ALF 2.65

LAUNCH DATE MAY 15 1967 FLIGHT TIME 194.00 ARRIVAL DATE NOV 25 1967

DISTANCE 535.779

HELIOCENTRIC CONIC
RL 151.22 LAL -.00 LOL 233.50 VL 26.925 GAL 5.30 AZL 92.43 MCA 242.01 SMA 128.81 ECC .19631 INC 2.4258 V1 29.464
RP 107.50 LAP 2.14 LOP 115.48 VP 37.930 GAP 6.15 AZP 88.86 TAL 157.25 TAP 39.25 RCA 103.52 APO 154.09 V2 35.250
RC 120.312 GL -18.42 GP -11.58 ZAL 54.02 ZAP 147.42 ETS 342.48 ZAE 129.35 ETE 189.48 ZAC 120.84 ETC 10.96 CLP-149.34

PLANETOCENTRIC CONIC
C3 12.901 VHL 3.592 CLA -17.54 RAL 174.04 RAD 6567.5 VEL 11.588 PTH 2.03 VMP 4.901 OPA 4.81 RAP 145.78 ECC 1.2123
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 9 52 13 1535.31 .63 1.87 28.79 118.31 10 17 49 935.3 4.41 355.23
90.00 17 3 41 5338.31 27.60 243.10 34.07 83.39 18 32 39 4738.3 26.39 234.64
100.00 11 3 21 1305.79 -.45 344.40 28.19 119.89 11 25 7 705.8 3.53 337.87
100.00 18 35 14 5043.06 28.83 221.20 33.88 81.72 19 59 17 4443.1 27.38 212.70
110.00 11 49 10 1162.23 -3.19 331.81 26.48 124.05 12 8 33 562.2 1.30 325.60
110.00 20 5 54 4759.38 31.99 198.98 33.20 77.27 21 25 14 4159.4 29.91 190.58

DIFFERENTIAL CORRECTIONS
TDE-1.9400 TRA 2.2037 TC3-4.4755 BAU .7769
RDE -.0252 RRA .3445 RC3 -.5096 FAU .06410
FOE-2.7091 FRA 3.1865 FC3-4.3018 BSP 18364
BOE 1.9401 BRA 2.2304 BC3 4.5044 FSP -2192

MID-COURSE EXECUTION ACCURACY
SGT 5788.4 SGR 683.9 SG3 650.3
RRT .8654 RRF .8504 RTF .9862
SGB 5828.6 R23 -.0121 R13 .9861
SG1 5818.7 SG2 340.9 TMA 5.86

ORBIT DETERMINATION ACCURACY
ST 3287.8 SR 177.8 SS 1951.7
CRT .5415 CRS -.5504 CST -.9999
LSA 3824.6 MSA 150.3 SSA 16.4
EL1 3289.2 EL2 149.4 ALF 1.68

LAUNCH DATE MAY 15 1967 FLIGHT TIME 196.00 ARRIVAL DATE NOV 27 1967

DISTANCE 541.791

HELIOCENTRIC CONIC
RL 151.22 LAL -.00 LOL 233.50 VL 26.903 GAL 5.58 AZL 92.52 MCA 245.25 SMA 128.66 ECC .19977 INC 2.5190 V1 29.464
RP 107.49 LAP 2.29 LOP 118.73 VP 37.918 GAP 6.60 AZP 88.95 TAL 156.44 TAP 41.69 RCA 102.96 APO 154.37 V2 35.253
RC 122.538 GL -18.49 GP -10.78 ZAL 52.82 ZAP 149.60 ETS 342.17 ZAE 128.43 ETE 188.66 ZAC 119.56 ETC 11.46 CLP-151.41

PLANETOCENTRIC CONIC
C3 13.767 VHL 3.710 CLA -18.14 RAL 175.20 RAD 6567.5 VEL 11.626 PTH 2.04 VMP 5.108 OPA 5.20 RAP 147.14 ECC 1.2266
LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 10 2 55 1526.52 .91 1.38 30.94 118.30 10 28 22 926.5 4.69 354.74
90.00 17 2 18 5375.31 27.86 245.78 36.55 84.70 18 31 53 4775.3 26.83 237.26
100.00 11 13 29 1298.80 -.22 344.02 30.32 119.89 11 35 8 698.8 3.76 337.49
100.00 18 34 25 5078.26 29.14 223.77 36.39 83.04 19 59 3 4478.3 27.87 215.20
110.00 11 58 12 1158.74 -3.05 331.62 28.54 124.06 12 17 30 558.7 1.44 325.42
110.00 20 6 12 4791.09 32.45 201.34 35.77 78.60 21 26 3 4191.1 30.53 192.64

DIFFERENTIAL CORRECTIONS
TDE-2.0624 TRA 2.3636 TC3-4.2890 BAU .7937
RDE -.0028 RRA .3327 RC3 -.4458 FAU .05830
FOE-2.6105 FRA 3.0964 FC3-3.6660 BSP 18817
BOE 2.0624 BRA 2.3870 BC3 4.3121 FSP -2046

MID-COURSE EXECUTION ACCURACY
SGT 5918.0 SGR 633.9 SG3 604.6
RRT .8306 RRF .8123 RTF .9857
SGB 5951.9 R23 -.0168 R13 .9856
SG1 5941.5 SG2 351.6 TMA 5.10

ORBIT DETERMINATION ACCURACY
ST 3388.0 SR 162.6 SS 1900.1
CRT .3159 CRS -.3259 CST -.9999
LSA 3884.7 MSA 155.1 SSA 16.2
EL1 3388.4 EL2 154.2 ALF .87

LAUNCH DATE MAY 15 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 547.772

RL 151.22 LAL -.00 LOL 233.50 VL 26.881 GAL 5.89 AZL 92.61 MCA 248.50 SMA 128.52 ECC .20351 INC 2.6075 V1 29.464
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.905 GAP 7.04 A7P 89.04 TAL 155.61 TAP 44.11 RCA 102.36 APO 154.67 V2 35.256
 RC 124.755 GL -18.48 GP -10.08 ZAL 51.60 ZAP 151.65 ETS 341.81 ZAE 127.59 ETE 187.97 ZAC 118.18 ETC 11.87 CLP-153.36

PLANETOCENTRIC CONIC

C3 14.724 VML 3.837 OLA -18.65 RAL 176.41 RAD 6567.6 VEL 11.667 PTH 2.05 VMP 5.325 DPA 5.46 RAP 148.58 ECC 1.2423
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 13 10 1520.93 1.09 1.07 33.18 118.30 10 38 31 920.9 4.87 354.43
 90.00 17 1 42 5410.57 28.05 248.34 39.11 85.97 18 31 53 4810.6 27.20 239.74
 100.00 11 23 13 1294.89 -.08 343.80 32.52 119.89 11 44 48 694.9 3.89 337.27
 100.00 18 34 20 5111.85 29.40 226.24 38.98 84.31 19 59 32 4511.8 28.30 217.60
 110.00 12 6 54 1158.02 -3.03 331.59 30.69 124.07 12 26 12 558.0 1.46 325.38
 110.00 20 7 9 4821.48 32.83 203.63 38.42 79.90 21 27 30 4221.5 31.09 194.84

DIFFERENTIAL CORRECTIONS

TDE-2.1834 TRA 2.5336 TC3-4.0882 BAU .8084
 RDE .0302 RRA .3227 RC3 -.3904 FAU .05285
 FDE-2.5122 FRA 3.0150 FC3-3.1075 BSP 19227
 BDE 2.1836 BRA 2.5540 BC3 4.1068 FSP -1909

MID-COURSE EXECUTION ACCURACY

SGT 6034.5 SGR 592.0 SG3 562.2
 RRT .7904 RRF .7690 RTF .9852
 SGB 6063.4 R23 -.0205 R13 .9851
 SGI 6052.7 SG2 361.5 THA 4.45

ORBIT DETERMINATION ACCURACY

ST 3474.5 SR 159.3 SS 1846.6
 CRT .0662 CRS -.0767 CST -.9999
 LSA 3934.7 MSA 159.9 SSA 16.0
 EL1 3474.6 EL2 159.0 ALF .17

LAUNCH DATE MAY 15 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 553.720

RL 151.22 LAL -.00 LOL 233.50 VL 26.858 GAL 6.22 AZL 92.69 MCA 251.74 SMA 128.36 ECC .20753 INC 2.6921 V1 29.464
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.890 GAP 7.50 A7P 89.16 TAL 154.76 TAP 46.50 RCA 101.72 APO 155.00 V2 35.258
 RC 126.964 GL -18.40 GP -9.45 ZAL 50.37 ZAP 153.57 ETS 341.39 ZAE 126.82 ETE 187.39 ZAC 116.71 ETC 12.21 CLP-155.21

PLANETOCENTRIC CONIC

C3 15.783 VML 3.973 OLA -19.11 RAL 177.66 RAD 6567.6 VEL 11.712 PTH 2.06 VMP 5.553 DPA 5.60 RAP 150.09 ECC 1.2598
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 22 58 1518.42 1.17 .93 35.48 118.29 10 48 17 918.4 4.95 354.29
 90.00 17 1 49 5444.30 28.19 250.80 41.74 87.20 18 32 34 4844.3 27.50 242.20
 100.00 11 32 32 1293.92 -.05 343.75 34.80 119.89 11 54 6 693.9 3.93 337.22
 100.00 18 34 56 5144.03 29.59 228.61 41.64 85.55 20 0 40 4544.0 28.66 219.93
 110.00 12 15 18 1159.94 -3.10 331.69 32.90 124.06 12 34 38 559.9 1.39 325.48
 110.00 20 8 40 4850.77 33.16 203.85 41.15 81.18 21 29 31 4250.8 31.59 196.98

DIFFERENTIAL CORRECTIONS

TDE-2.3039 TRA 2.7137 TC3-3.8794 BAU .8218
 RDE .0570 RRA .3139 RC3 -.3423 FAU .04784
 FDE-2.4164 FRA 2.9415 FC3-2.6239 BSP 19609
 BDE 2.3047 BRA 2.7318 BC3 3.8945 FSP -1783

MID-COURSE EXECUTION ACCURACY

SGT 6139.7 SGR 557.1 SG3 523.0
 RRT .7454 RRF .7210 RTF .9847
 SGB 6164.9 R23 -.0236 R13 .9846
 SGI 6153.8 SG2 370.5 THA 3.88

ORBIT DETERMINATION ACCURACY

ST 3548.7 SR 165.8 SS 1792.7
 CRT -.1598 CRS -.1495 CST -.9999
 LSA 3975.8 MSA 164.6 SSA 15.8
 EL1 3548.8 EL2 163.7 ALF 179.57

LAUNCH DATE MAY 15 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 559.630

RL 151.22 LAL -.00 LOL 233.50 VL 26.835 GAL 6.57 AZL 92.77 MCA 254.99 SMA 128.21 ECC .21186 INC 2.7736 V1 29.464
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.875 GAP 7.97 A7P 89.28 TAL 153.89 TAP 48.88 RCA 101.04 APO 155.37 V2 35.259
 RC 129.165 GL -18.26 GP -8.89 ZAL 49.13 ZAP 155.39 ETS 340.90 ZAE 126.12 ETE 186.89 ZAC 115.15 ETC 12.49 CLP-156.96

PLANETOCENTRIC CONIC

C3 16.959 VML 4.118 OLA -19.50 RAL 178.92 RAD 6567.7 VEL 11.762 PTH 2.08 VMP 5.791 DPA 5.64 RAP 151.67 ECC 1.2791
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 32 18 1518.87 1.16 .96 37.85 118.30 10 57 37 918.9 4.93 354.31
 90.00 17 2 36 5476.65 28.27 253.16 44.43 88.38 18 33 52 4876.7 27.75 244.53
 100.00 11 41 26 1295.77 -.11 343.85 37.14 119.89 12 3 2 695.8 3.86 337.32
 100.00 18 36 9 5174.99 29.73 230.90 44.36 86.74 20 2 24 4575.0 28.96 222.18
 110.00 12 23 22 1164.39 -3.27 331.92 35.17 124.05 12 42 46 564.4 1.22 325.71
 110.00 20 10 43 4879.12 33.43 208.02 43.95 82.43 21 32 2 4279.1 32.03 199.07

DIFFERENTIAL CORRECTIONS

TDE-2.4248 TRA 2.9051 TC3-3.6635 BAU .8334
 RDE .0835 RRA .3060 RC3 -.3001 FAU .04317
 FDE-2.3244 FRA 2.8759 FC3-2.2040 BSP 19955
 BDE 2.4262 BRA 2.9212 BC3 3.6758 FSP -1665

MID-COURSE EXECUTION ACCURACY

SGT 6234.7 SGR 527.8 SG3 487.0
 RRT .6960 RRF .6689 RTF .9842
 SGB 6257.0 R23 -.0260 R13 .9841
 SGI 6245.5 SG2 378.4 THA 3.38

ORBIT DETERMINATION ACCURACY

ST 3611.7 SR 178.7 SS 1739.2
 CRT -.3365 CRS -.3267 CST -.9999
 LSA 4009.0 MSA 169.1 SSA 15.5
 EL1 3612.2 EL2 168.2 ALF 179.04

LAUNCH DATE MAY 15 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 565.501

RL 151.22 LAL -.00 LOL 233.50 VL 26.811 GAL 6.94 AZL 92.85 MCA 258.24 SMA 128.05 ECC .21653 INC 2.8527 V1 29.464
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.858 GAP 8.46 A7P 89.42 TAL 153.00 TAP 51.24 RCA 100.32 APO 155.77 V2 35.259
 RC 131.355 GL -18.05 GP -8.39 ZAL 47.89 ZAP 157.12 ETS 340.32 ZAE 125.47 ETE 186.46 ZAC 113.53 ETC 12.71 CLP-158.64

PLANETOCENTRIC CONIC

C3 18.265 VML 4.274 OLA -19.83 RAL 180.21 RAD 6567.7 VEL 11.817 PTH 2.09 VMP 6.040 DPA 5.58 RAP 153.31 ECC 1.3006
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 41 11 1522.19 1.05 1.14 40.27 118.30 11 6 33 922.2 4.83 354.50
 90.00 17 3 58 5507.79 28.31 255.44 47.18 89.52 18 35 46 4907.8 27.95 246.79
 100.00 11 49 55 1300.35 -.27 344.10 39.54 119.89 12 11 36 700.3 3.71 337.57
 100.00 18 37 54 5204.86 29.83 233.11 47.14 87.91 20 4 39 4604.9 29.22 224.36
 110.00 12 31 6 1171.29 -3.53 332.28 37.50 124.02 12 50 37 571.3 .96 326.07
 110.00 20 13 13 4906.69 33.66 210.14 46.81 83.67 21 34 59 4306.7 32.42 201.12

DIFFERENTIAL CORRECTIONS

TDE-2.5424 TRA 3.1117 TC3-3.4363 BAU .8416
 RDE .1101 RRA .2989 RC3 -.2623 FAU .03870
 FDE-2.2322 FRA 2.8204 FC3-1.8341 BSP 20197
 BDE 2.5447 BRA 3.1260 BC3 3.4463 FSP -1548

MID-COURSE EXECUTION ACCURACY

SGT 6317.5 SGR 503.5 SG3 453.7
 RRT .6427 RRF .6135 RTF .9837
 SGB 6337.5 R23 -.0275 R13 .9836
 SGI 6325.8 SG2 385.2 THA 2.94

ORBIT DETERMINATION ACCURACY

ST 3659.9 SR 195.4 SS 1684.0
 CRT -.4651 CRS -.4559 CST -.9999
 LSA 4029.6 MSA 173.8 SSA 15.3
 EL1 3661.0 EL2 172.9 ALF 174.57

LAUNCH DATE MAY 15 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 571.329

RL 151.22 LAL -1.00 LOL 233.50 VL 26.786 GAL 7.34 AZL 92.93 HCA 261.49 SMA 127.89 ECC .22155 INC 2.9299 V1 29.464
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.840 GAP 8.96 A7P 89.57 TAL 152.11 TAP 53.59 RCA 99.55 APO 156.22 V2 35.259
 RC 133.537 GL -17.81 GP -7.94 ZAL 46.64 ZAP 158.76 ETS 339.64 ZAE 124.88 ETE 186.09 ZAC 111.84 ETC 12.89 CLP-160.24

PLANETOCENTRIC CONIC

C3 19.721 VHL 4.441 DLA -20.12 RAL 181.50 RAD 6567.8 VEL 11.879 PTH 2.11 VHP 6.302 OPA 5.43 RAP 155.00 ECC 1.3246
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 49 34 1528.32 .85 1.49 42.75 118.31 11 15 2 928.3 4.63 354.84
 90.00 17 5 53 5537.81 28.31 257.63 49.98 90.62 18 38 11 4937.8 28.10 248.98
 100.00 11 57 58 1307.59 -.52 344.50 41.98 119.89 12 19 46 707.6 3.47 337.97
 100.00 18 40 11 5233.78 29.88 235.26 49.98 89.04 20 7 24 4633.8 29.42 226.49
 110.00 12 38 30 1180.55 -3.89 332.77 39.88 123.99 12 58 11 580.6 .60 326.56
 110.00 20 16 8 4933.58 33.84 212.22 49.73 84.89 21 38 21 4333.6 32.77 203.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.6649 TRA 3.3274 TC3-3.2157 BAU .8500
 RDE .1363 RRA .2917 RC3 -.2293 FAU .03475
 FDE-2.1493 FRA 2.7678 FC3-1.5254 BSP 20506
 BDE 2.6684 BRA 3.3401 BC3 3.2239 FSP -1450

SGT 6393.9 SGR 482.8 SG3 423.2
 RRT .5862 RRF .5551 RTF .9832
 SGB 6412.1 R23 -.0289 R13 .9832
 SG1 6400.2 SG2 390.7 TMA 2.54

ST 3702.7 SR 213.1 SS 1632.9
 CRT -.5566 CRS .5480 CST -.9999
 LSA 4048.5 MSA 177.9 SSA 15.0
 EL1 3704.6 EL2 177.0 ALF 178.16

LAUNCH DATE MAY 15 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 577.108

RL 151.22 LAL -1.00 LOL 233.50 VL 26.762 GAL 7.77 AZL 93.01 HCA 264.73 SMA 127.72 ECC .22695 INC 3.0058 V1 29.464
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.822 GAP 9.47 A7P 89.72 TAL 151.20 TAP 55.93 RCA 98.74 APO 156.71 V2 35.257
 RC 133.709 GL -17.51 GP -7.54 ZAL 45.41 ZAP 160.33 ETS 338.85 ZAE 124.33 ETE 185.76 ZAC 110.10 ETC 13.03 CLP-161.78

PLANETOCENTRIC CONIC

C3 21.348 VHL 4.620 DLA -20.36 RAL 182.80 RAD 6567.9 VEL 11.947 PTH 2.13 VHP 6.577 OPA 5.21 RAP 156.74 ECC 1.3513
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 57 28 1537.18 .57 1.98 45.26 118.31 11 23 6 937.2 4.35 355.34
 90.00 17 8 19 5566.84 28.27 259.76 52.84 91.69 18 41 6 4966.8 28.21 251.09
 100.00 12 5 34 1317.41 -.85 345.04 44.47 119.88 12 27 32 717.4 3.13 338.51
 100.00 18 42 54 5261.84 29.89 237.35 52.87 90.13 20 10 36 4661.8 29.59 228.56
 110.00 12 45 33 1192.11 -4.33 333.37 42.30 123.94 13 5 25 592.1 .16 327.16
 110.00 20 19 25 4959.91 33.99 214.26 52.71 86.09 21 42 5 4359.9 33.07 205.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.7887 TRA 3.5570 TC3-2.9938 BAU .8563
 RDE .1626 RRA .2845 RC3 -.1998 FAU .03106
 FDE-2.0710 FRA 2.7217 FC3-1.2597 BSP 20775
 BDE 2.7935 BRA 3.5683 BC3 3.0005 FSP -1357

SGT 6461.2 SGR 465.2 SG3 395.1
 RRT .5271 RRF .4946 RTF .9828
 SGB 6477.9 R23 -.0299 R13 .9828
 SG1 6465.9 SG2 395.0 TMA 2.18

ST 3736.1 SR 231.1 SS 1583.2
 CRT -.6223 CRS .6143 CST -.9999
 LSA 4060.2 MSA 181.6 SSA 14.8
 EL1 3738.8 EL2 180.8 ALF 177.79

LAUNCH DATE MAY 15 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 582.835

RL 151.22 LAL -1.00 LOL 233.50 VL 26.737 GAL 8.23 AZL 93.08 HCA 267.98 SMA 127.56 ECC .23278 INC 3.0809 V1 29.464
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.802 GAP 10.00 A7P 89.89 TAL 150.29 TAP 58.27 RCA 97.87 APO 157.25 V2 35.255
 RC 137.871 GL -17.19 GP -7.18 ZAL 44.18 ZAP 161.82 ETS 337.91 ZAE 123.82 ETE 185.47 ZAC 108.31 ETC 13.14 CLP-163.26

PLANETOCENTRIC CONIC

C3 23.168 VHL 4.813 DLA -20.55 RAL 184.09 RAD 6567.9 VEL 12.023 PTH 2.15 VHP 6.866 OPA 4.91 RAP 158.51 ECC 1.3813
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 4 53 1548.72 .20 2.62 47.81 118.32 11 30 42 948.7 3.98 355.99
 90.00 17 11 13 5594.96 28.20 261.81 55.73 92.71 18 44 28 4995.0 28.28 253.15
 100.00 12 12 44 1329.76 -1.27 345.72 46.99 119.87 12 34 54 729.8 2.72 339.19
 100.00 18 46 3 5289.16 29.87 239.38 55.80 91.20 20 14 12 4689.2 29.72 230.58
 110.00 12 52 15 1205.89 -4.85 334.10 44.76 123.88 13 12 21 605.9 -.37 327.88
 110.00 20 23 1 4985.79 34.09 216.27 55.73 87.28 21 46 7 4385.8 33.33 207.11

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.9142 TRA 3.8012 TC3-2.7728 BAU .8603
 RDE .1893 RRA .2771 RC3 -.1734 FAU .02763
 FDE-1.9969 FRA 2.6818 FC3-1.0323 BSP 21022
 BDE 2.9203 BRA 3.8113 BC3 2.7782 FSP -1271

SGT 6519.9 SGR 450.1 SG3 369.2
 RRT .4659 RRF .4325 RTF .9825
 SGB 6535.4 R23 -.0304 R13 .9824
 SG1 6523.3 SG2 398.1 TMA 1.85

ST 3760.5 SR 248.7 SS 1535.1
 CRT -.6706 CRS .6631 CST -.9999
 LSA 4065.1 MSA 185.1 SSA 14.5
 EL1 3764.2 EL2 184.3 ALF 177.45

LAUNCH DATE MAY 15 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 588.502

RL 151.22 LAL -1.00 LOL 233.50 VL 26.711 GAL 8.72 AZL 93.16 HCA 271.23 SMA 127.39 ECC .23906 INC 3.1557 V1 29.464
 RP 107.50 LAP 3.16 LOP 144.72 VP 37.782 GAP 10.56 A7P 90.07 TAL 149.37 TAP 60.59 RCA 96.94 APO 157.85 V2 35.253
 RC 140.023 GL -16.83 GP -6.86 ZAL 42.98 ZAP 163.26 ETS 336.81 ZAE 123.34 ETE 185.21 ZAC 106.49 ETC 13.23 CLP-164.69

PLANETOCENTRIC CONIC

C3 25.211 VHL 5.021 DLA -20.70 RAL 185.37 RAD 6568.0 VEL 12.107 PTH 2.17 VHP 7.170 OPA 4.55 RAP 160.31 ECC 1.4149
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 11 48 1562.87 -.26 3.41 50.39 118.32 11 37 50 962.9 3.53 356.78
 90.00 17 14 32 5622.26 28.09 263.80 58.67 93.71 18 48 14 5022.3 28.31 255.14
 100.00 12 19 26 1344.56 -1.77 346.53 49.55 119.84 12 41 51 744.6 2.22 340.01
 100.00 18 49 34 5315.81 29.82 241.36 58.77 92.24 20 18 10 4715.8 29.81 232.55
 110.00 12 58 36 1221.85 -5.45 334.93 47.26 123.80 13 18 58 621.8 -.98 328.71
 110.00 20 26 53 5011.28 34.15 218.26 58.81 88.45 21 50 26 4411.3 33.56 209.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.0387 TRA 4.0655 TC3-2.5481 BAU .8603
 RDE .2159 RRA .2693 RC3 -.1496 FAU .02428
 FDE-1.9248 FRA 2.6504 FC3 -.8338 BSP 21149
 BDE 3.0463 BRA 4.0744 BC3 2.5524 FSP -1186

SGT 6570.1 SGR 437.2 SG3 345.4
 RRT .4034 RRF .3699 RTF .9821
 SGB 6584.6 R23 -.0303 R13 .9821
 SG1 6572.4 SG2 399.9 TMA 1.54

ST 3773.9 SR 265.4 SS 1487.6
 CRT -.7063 CRS .6990 CST -.9999
 LSA 4060.8 MSA 188.5 SSA 14.3
 EL1 3778.6 EL2 187.7 ALF 177.15

LAUNCH DATE MAY 15 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 594.103

RL 151.22 LAL -.00 LOL 233.50 VL 26.686 GAL 9.24 AZL 93.23 MCA 274.47 SMA 127.23 ECC .24585 INC 3.2307 V1 29.464
 RP 107.51 LAP 3.22 LOP 147.97 VP 37.760 GAP 11.14 A7P 90.25 TAL 148.45 TAP 62.92 RCA 95.95 APO 158.51 V2 35.249
 RC 142.165 GL -16.44 GP -6.56 ZAL 41.78 ZAP 164.64 ETS 335.50 ZAE 122.89 ETE 184.97 ZAC 104.63 ETC 13.30 CLP-166.08

PLANETOCENTRIC CONIC

C3 27.510 VML 5.245 CLA -20.81 RAL 186.64 RAD 6568.1 VEL 12.202 PTH 2.19 VMP 7.492 DPA 4.14 RAP 162.13 ECC 1.452H
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 18 12 1579.58 -.80 4.34 52.99 118.31 11 44 31 979.6 2.99 357.71
 90.00 17 18 15 5648.80 27.96 265.73 61.64 94.67 18 52 24 5048.8 28.31 257.08
 100.00 12 25 41 1361.76 -2.35 347.47 52.13 119.81 12 48 23 761.8 1.63 340.95
 100.00 18 53 26 5341.86 29.73 243.29 61.78 93.26 20 22 28 4741.9 29.87 234.49
 110.00 13 4 34 1239.91 -6.14 335.89 49.78 123.69 13 25 14 639.9 -1.67 329.65
 110.00 20 31 3 5036.47 34.18 220.23 61.91 89.61 21 55 0 4436.5 33.75 211.01

DIFFERENTIAL CORRECTIONS

TOE-3.1708 TRA 4.3419 TC3-2.3352 BAU .8602
 ROE .2430 RRA .2605 RC3 -.1285 FAU .02134
 FDE-1.8612 FRA 2.6210 FC3 -.6714 BSP 21370
 BDE 3.1801 BRA 4.3497 BC3 2.3387 FSP -1114

MID-COURSE EXECUTION ACCURACY

SGT 6614.0 SGR 425.8 SG3 323.4
 RRT .3394 RRF .3061 RTF .9819
 SGB 6627.7 R23 -.0302 R13 .9819
 SG1 6615.6 SG2 400.4 THA 1.26

ORBIT DETERMINATION ACCURACY

ST 3784.2 SR 280.7 SS 1444.4
 CRT -.7343 CRS .7274 CST -.9999
 LSA 4055.6 MSA 191.1 SSA 14.0
 EL1 3789.8 EL2 190.3 ALF 176.87

LAUNCH DATE MAY 15 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 599.629

RL 151.22 LAL -.00 LOL 233.50 VL 26.660 GAL 9.81 AZL 93.31 MCA 277.72 SMA 127.06 ECC .25319 INC 3.3063 V1 29.464
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.738 GAP 11.74 A7P 90.44 TAL 147.54 TAP 65.25 RCA 94.89 APO 159.23 V2 35.245
 RC 144.295 GL -16.03 GP -6.30 ZAL 40.62 ZAP 165.97 ETS 335.94 ZAE 122.47 ETE 184.75 ZAC 102.74 ETC 13.36 CLP-167.44

PLANETOCENTRIC CONIC

C3 30.105 VML 5.487 CLA -20.89 RAL 187.89 RAD 6568.2 VEL 12.308 PTH 2.22 VMP 7.834 DPA 3.68 RAP 163.98 ECC 1.4954
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 24 5 1598.76 -1.42 5.41 55.62 118.28 11 50 44 998.8 2.37 358.79
 90.00 17 22 19 5674.66 27.60 267.61 64.65 95.59 18 56 53 5074.7 28.29 258.97
 100.00 12 31 28 1381.28 -3.01 348.54 54.74 119.75 12 54 30 781.3 .97 342.02
 100.00 18 57 36 5367.37 29.62 245.18 64.82 94.24 20 27 4 4767.4 29.89 236.39
 110.00 13 10 10 1260.02 -6.90 336.95 52.33 123.56 13 31 10 660.0 -2.44 330.70
 110.00 20 35 24 5061.39 34.18 222.18 65.06 90.77 21 59 46 4461.4 33.90 212.94

DIFFERENTIAL CORRECTIONS

TOE-3.3063 TRA 4.6374 TC3-2.1263 BAU .8569
 ROE .2704 RRA .2508 RC3 -.1097 FAU .01855
 FDE-1.8018 FRA 2.5974 FC3 -.5335 BSP 21552
 BDE 3.3173 BRA 4.6442 BC3 2.1291 FSP -1046

MID-COURSE EXECUTION ACCURACY

SGT 6650.7 SGR 415.7 SG3 303.2
 RRT .2744 RRF .2418 RTF .9818
 SGB 6663.6 R23 -.0296 R13 .9817
 SG1 6651.6 SG2 399.7 THA .99

ORBIT DETERMINATION ACCURACY

ST 3787.3 SR 294.7 SS 1403.3
 CRT -.7563 CRS .7497 CST -.9999
 LSA 4045.0 MSA 193.2 SSA 13.7
 EL1 3793.8 EL2 192.5 ALF 176.62

LAUNCH DATE MAY 15 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 19 1967

HELIOCENTRIC CONIC

DISTANCE 605.070

RL 151.22 LAL -.00 LOL 233.50 VL 26.634 GAL 10.41 AZL 93.38 MCA 280.96 SMA 126.89 ECC .26115 INC 3.3831 V1 29.464
 RP 107.53 LAP 3.32 LOP 154.48 VP 37.715 GAP 12.38 A7P 90.64 TAL 146.63 TAP 67.59 RCA 93.76 APO 160.03 V2 35.240
 RC 146.414 GL -15.60 GP -6.06 ZAL 39.47 ZAP 167.26 ETS 332.06 ZAE 122.06 ETE 184.55 ZAC 100.82 ETC 13.41 CLP-168.77

PLANETOCENTRIC CONIC

C3 33.041 VML 5.748 CLA -20.93 RAL 189.11 RAD 6568.3 VEL 12.426 PTH 2.25 VMP 8.196 DPA 3.17 RAP 165.83 ECC 1.543H
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 29 27 1620.35 -2.12 6.62 58.26 118.24 11 56 28 1020.4 1.68 359.99
 90.00 17 26 41 5699.88 27.62 269.43 67.67 96.49 19 1 41 5099.9 28.23 260.82
 100.00 12 36 47 1403.05 -3.75 349.74 57.36 119.68 13 0 10 803.1 .23 343.22
 100.00 19 2 3 5392.41 29.48 247.03 67.89 95.21 20 31 55 4792.4 29.89 238.25
 110.00 13 15 22 1282.12 -7.73 338.12 54.91 123.40 13 36 44 682.1 -3.28 331.86
 110.00 20 39 57 5086.10 34.14 224.10 68.23 91.91 22 4 43 4486.1 34.02 214.86

DIFFERENTIAL CORRECTIONS

TOE-3.4466 TRA 4.9527 TC3-1.9231 BAU .8505
 ROE .2984 RRA .2398 RC3 -.0929 FAU .01593
 FDE-1.7472 FRA 2.5791 FC3 -.4174 BSP 21713
 BDE 3.4595 BRA 4.9585 BC3 1.9254 FSP -.983

MID-COURSE EXECUTION ACCURACY

SGT 6680.4 SGR 406.7 SG3 284.5
 RRT .2086 RRF .1774 RTF .9817
 SGB 6692.7 R23 -.0288 R13 .9817
 SG1 6680.9 SG2 397.7 THA .73

ORBIT DETERMINATION ACCURACY

ST 3784.4 SR 307.2 SS 1364.9
 CRT -.7741 CRS .7677 CST -.9999
 LSA 4029.9 MSA 194.8 SSA 13.4
 EL1 3791.8 EL2 194.1 ALF 176.39

LAUNCH DATE MAY 15 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 21 1967

HELIOCENTRIC CONIC

DISTANCE 610.413

RL 151.22 LAL -.00 LOL 233.50 VL 26.608 GAL 11.06 AZL 93.46 MCA 284.20 SMA 126.73 ECC .26978 INC 3.4616 V1 29.464
 RP 107.55 LAP 3.36 LOP 157.72 VP 37.692 GAP 13.06 A7P 90.85 TAL 145.74 TAP 69.94 RCA 92.54 APO 160.92 V2 35.234
 RC 148.521 GL -15.16 GP -5.84 ZAL 38.36 ZAP 168.50 ETS 329.77 ZAE 121.66 ETE 184.37 ZAC 98.90 ETC 13.46 CLP-170.07

PLANETOCENTRIC CONIC

C3 36.376 VML 6.031 CLA -20.94 RAL 190.30 RAD 6568.4 VEL 12.560 PTH 2.28 VMP 8.583 DPA 2.62 RAP 167.70 ECC 1.5986
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 34 19 1644.27 -2.89 7.95 60.92 118.18 12 1 43 1044.3 .90 1.33
 90.00 17 31 21 5724.49 27.42 271.20 70.72 97.36 19 6 46 5124.5 28.16 262.61
 100.00 12 41 38 1427.01 -4.55 351.07 60.00 119.58 13 5 25 827.0 -.58 344.53
 100.00 19 6 43 5416.99 29.31 248.84 70.97 96.14 20 37 0 4817.0 29.85 240.07
 110.00 13 20 12 1306.14 -8.62 339.40 57.50 123.21 13 41 58 706.1 -4.19 333.12
 110.00 20 44 38 5110.62 34.06 226.02 71.42 93.04 22 9 49 4510.6 34.11 216.77

DIFFERENTIAL CORRECTIONS

TOE-3.5924 TRA 5.2902 TC3-1.7262 BAU .8403
 ROE .3269 RRA .2273 RC3 -.0781 FAU .01346
 FDE-1.6971 FRA 2.5665 FC3 -.3202 BSP 21850
 BDE 3.6073 BRA 5.2951 BC3 1.7280 FSP -.925

MID-COURSE EXECUTION ACCURACY

SGT 6703.6 SGR 398.5 SG3 267.2
 RRT .1424 RRF .1130 RTF .9818
 SGB 6715.4 R23 -.0276 R13 .9818
 SG1 6703.8 SG2 394.4 THA .49

ORBIT DETERMINATION ACCURACY

ST 3775.8 SR 318.3 SS 1329.1
 CRT -.7888 CRS .7825 CST -.9999
 LSA 4010.8 MSA 195.9 SSA 13.1
 EL1 3784.2 EL2 195.2 ALF 176.19

LAUNCH DATE MAY 16 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 25 1967

HELIOCENTRIC CONIC

DISTANCE 136.902
 RL 151.25 LAL -1.00 LOL 234.46 VL 17.607 GAL 16.78 AZL 91.86 MCA 44.61 SMA 91.85 ECC .68317 INC 1.8644 V1 29.45H
 RP 108.83 LAP -1.31 LOP 279.06 VP 31.528 GAP -42.01 AZP 91.33 TAL 171.78 TAP 216.39 RCA 29.10 APO 154.60 V2 34.820
 RC 65.936 GL -2.33 GP 1.75 ZAL 69.52 ZAP 28.30 ETS 185.40 ZAE 146.36 ETE 169.42 ZAC 135.49 ETC 24.59 CLP 28.25

PLANETOCENTRIC CONIC

C3 181.464 VHL 13.471 DLA 3.77 RAL 165.25 RAD 6570.9 VEL 17.401 PTH 2.96 VHP 24.106 DPA 22.71 RAP 130.84 ECC 3.9864
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 21 55 2834.85 -28.28 84.37 64.98 91.54 7 9 10 2234.9 -27.77 75.74
 90.00 19 16 1 5244.66 26.68 236.40 61.14 80.15 20 43 26 4644.7 25.05 228.11
 100.00 7 45 1 2566.79 -29.84 64.60 64.93 91.86 8 27 48 1966.8 -29.26 55.85
 100.00 20 35 36 4987.95 28.22 217.22 60.83 79.71 21 58 44 4388.0 26.51 208.83
 110.00 8 57 19 2340.52 -34.08 47.22 64.72 92.78 9 36 19 1740.5 -33.32 38.06
 110.00 21 39 48 4786.99 32.39 201.03 59.90 78.42 22 59 35 4187.0 30.46 192.35

DIFFERENTIAL CORRECTIONS

TDE .6671 TRA-1.6421 TC3 -.1070 BAU .2628
 RDE -.9400 RRA -.4946 RC3 .0170 FAU .01346
 FDE -.3225 FRA .6135 FC3 -.0642 BSP 2085
 BDE 1.1527 BRA 1.7153 BC3 .1083 FSP -61

MID-COURSE EXECUTION ACCURACY

SGT 808.5 SGR 454.3 SG3 29.6
 RRT .0570 RRF -.0530 RTF -.6222
 SGB 927.4 R23 -.0013 R13 -.6224
 SG1 809.1 SG2 453.2 THA 2.67

ORBIT DETERMINATION ACCURACY

ST 353.1 SR 404.8 SS 329.3
 CRT -.7008 CRS -.7793 CST .9915
 LSA 588.3 MSA 225.0 SSA 13.9
 EL1 496.3 EL2 205.4 ALF 129.47

LAUNCH DATE MAY 16 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 27 1967

HELIOCENTRIC CONIC

DISTANCE 142.794
 RL 151.25 LAL -1.00 LOL 234.46 VL 18.297 GAL 16.11 AZL 92.00 MCA 47.78 SMA 93.45 ECC .65577 INC 1.9990 V1 29.45H
 RP 108.85 LAP -1.48 LOP 282.22 VP 31.911 GAP -40.06 AZP 91.34 TAL 171.08 TAP 218.86 RCA 32.17 APO 154.74 V2 34.813
 RC 63.861 GL -2.75 GP 1.81 ZAL 68.43 ZAP 26.78 ETS 185.65 ZAE 147.01 ETE 168.32 ZAC 133.95 ETC 23.90 CLP 26.73

PLANETOCENTRIC CONIC

C3 163.842 VHL 12.800 DLA 2.97 RAL 166.11 RAD 6570.8 VEL 16.887 PTH 2.91 VHP 23.132 DPA 22.38 RAP 132.58 ECC 3.6964
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 31 20 2792.63 -28.16 81.29 64.08 93.08 7 17 53 2192.6 -27.44 72.70
 90.00 19 13 25 5252.56 26.77 236.96 61.08 80.42 20 40 58 4652.6 25.18 228.66
 100.00 7 54 4 2525.79 -29.71 61.56 63.98 93.46 8 36 10 1925.8 -28.91 52.85
 100.00 20 33 23 4994.63 28.30 217.70 60.78 79.95 21 56 38 4394.6 26.62 209.30
 110.00 9 5 29 2302.25 -33.92 44.25 63.64 94.54 9 43 52 1702.3 -32.92 35.15
 110.00 21 38 27 4790.94 32.44 201.33 59.87 78.59 22 58 18 4190.9 30.53 192.63

DIFFERENTIAL CORRECTIONS

TDE .6696 TRA-1.6422 TC3 -.1123 BAU .2498
 RDE -.9002 RRA -.4796 RC3 .0198 FAU .01367
 FDE -.3383 FRA .6345 FC3 -.0722 BSP 2251
 BDE 1.1220 BRA 1.7108 BC3 .1140 FSP -68

MID-COURSE EXECUTION ACCURACY

SGT 845.1 SGR 459.5 SG3 32.1
 RRT .0588 RRF -.0557 RTF -.6421
 SGB 962.0 R23 -.0022 R13 -.6423
 SG1 845.7 SG2 458.4 THA 2.60

ORBIT DETERMINATION ACCURACY

ST 372.4 SR 408.1 SS 347.5
 CRT -.7012 CRS -.7822 CST .9911
 LSA 610.6 MSA 230.2 SSA 14.1
 EL1 510.0 EL2 212.5 ALF 131.28

LAUNCH DATE MAY 16 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 29 1967

HELIOCENTRIC CONIC

DISTANCE 148.774
 RL 151.25 LAL -1.00 LOL 234.46 VL 18.941 GAL 15.45 AZL 92.12 MCA 50.94 SMA 95.06 ECC .62896 INC 2.1207 V1 29.45H
 RP 108.87 LAP -1.65 LOP 285.38 VP 32.278 GAP -38.21 AZP 91.34 TAL 170.39 TAP 221.33 RCA 35.27 APO 154.85 V2 34.807
 RC 61.839 GL -3.18 GP 1.87 ZAL 67.40 ZAP 25.29 ETS 185.94 ZAE 147.77 ETE 167.10 ZAC 132.38 ETC 23.24 CLP 25.23

PLANETOCENTRIC CONIC

C3 148.008 VHL 12.166 DLA 2.16 RAL 166.89 RAD 6570.6 VEL 16.411 PTH 2.87 VHP 22.195 DPA 22.04 RAP 134.34 ECC 3.4358
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 40 29 2749.61 -27.97 78.16 63.06 94.64 7 26 18 2149.6 -27.03 69.61
 90.00 19 10 34 5259.60 26.85 237.46 60.89 80.65 20 38 14 4659.6 25.29 229.15
 100.00 8 2 50 2483.99 -29.50 58.47 62.91 95.07 8 44 14 1884.0 -28.48 49.82
 100.00 20 30 55 5000.45 28.37 218.12 60.60 80.16 21 54 15 4400.4 26.72 209.70
 110.00 9 13 23 2263.16 -33.67 41.22 62.43 96.31 9 51 6 1663.2 -32.43 32.21
 110.00 21 36 51 4734.05 32.49 201.56 59.71 78.72 22 56 45 4194.0 30.59 192.86

DIFFERENTIAL CORRECTIONS

TDE .6694 TRA-1.6444 TC3 -.1180 BAU .2378
 RDE -.8610 RRA -.4642 RC3 .0230 FAU .01389
 FDE -.3543 FRA .6559 FC3 -.0812 BSP 2350
 BDE 1.0906 BRA 1.7086 BC3 .1202 FSP -75

MID-COURSE EXECUTION ACCURACY

SGT 884.5 SGR 464.1 SG3 34.8
 RRT .0625 RRF -.0589 RTF -.6604
 SGB 998.9 R23 -.0021 R13 -.6606
 SG1 885.2 SG2 462.9 THA 2.59

ORBIT DETERMINATION ACCURACY

ST 391.8 SR 410.8 SS 366.2
 CRT -.6995 CRS -.7847 CST .9904
 LSA 633.0 MSA 235.5 SSA 14.4
 EL1 523.4 EL2 219.7 ALF 133.07

LAUNCH DATE MAY 16 1967

FLIGHT TIME 76.00

ARRIVAL DATE JUL 31 1967

HELIOCENTRIC CONIC

DISTANCE 154.837
 RL 151.25 LAL -1.00 LOL 234.46 VL 19.543 GAL 14.80 AZL 92.23 MCA 54.11 SMA 96.66 ECC .60282 INC 2.2319 V1 29.45H
 RP 108.89 LAP -1.81 LOP 288.55 VP 32.629 GAP -36.45 AZP 91.31 TAL 169.72 TAP 223.83 RCA 38.39 APO 154.93 V2 34.802
 RC 59.876 GL -3.65 GP 1.93 ZAL 66.43 ZAP 23.81 ETS 186.28 ZAE 148.64 ETE 165.72 ZAC 130.79 ETC 22.63 CLP 23.74

PLANETOCENTRIC CONIC

C3 133.766 VHL 11.566 DLA 1.36 RAL 167.61 RAD 6570.4 VEL 15.972 PTH 2.82 VHP 21.291 DPA 21.68 RAP 136.11 ECC 3.2015
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 49 20 2705.78 -27.68 74.98 61.92 96.21 7 34 26 2105.8 -26.54 66.50
 90.00 19 7 27 5265.81 26.92 237.91 60.58 80.87 20 35 13 4665.8 25.58 229.58
 100.00 8 11 18 2441.37 -29.20 55.34 61.73 96.69 8 52 0 1841.4 -27.97 46.75
 100.00 20 28 10 5005.45 28.43 218.48 60.30 80.34 21 51 35 4405.5 26.80 210.05
 110.00 9 21 0 2223.23 -33.32 38.15 61.10 98.09 9 58 3 1623.2 -31.85 29.24
 110.00 21 34 58 4796.35 32.52 201.73 59.42 78.82 22 54 54 4196.4 30.63 193.02

DIFFERENTIAL CORRECTIONS

TDE .6716 TRA-1.6434 TC3 -.1226 BAU .2242
 RDE -.8222 RRA -.4484 RC3 .0265 FAU .01414
 FDE -.3712 FRA .6773 FC3 -.0915 BSP 2520
 BDE 1.0617 BRA 1.7034 BC3 .1254 FSP -83

MID-COURSE EXECUTION ACCURACY

SGT 924.2 SGR 468.0 SG3 37.8
 RRT .0647 RRF -.0619 RTF -.6790
 SGB 1036.0 R23 -.0029 R13 -.6792
 SG1 924.9 SG2 466.7 THA 2.52

ORBIT DETERMINATION ACCURACY

ST 412.9 SR 412.7 SS 385.8
 CRT -.6998 CRS -.7875 CST .9900
 LSA 657.2 MSA 239.9 SSA 14.6
 EL1 538.2 EL2 226.2 ALF 135.01

LAUNCH DATE MAY 16 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 2 1967

HELIOCENTRIC CONIC

DISTANCE 160.976

RL 151.25 LAL -1.00 LOL 234.46 VL 20.105 GAL 14.18 AZL 92.33 MCA 57.27 SMA 98.26 ECC .57742 INC 2.3345 VI 29.45H
 RP 108.90 LAP -1.96 LOP 291.71 VP 32.964 GAP -34.79 AZP 91.26 TAL 169.08 TAP 226.35 RCA 41.52 APO 154.99 V2 34.797
 RC 57.979 GL -4.14 GP 2.00 ZAL 65.54 ZAP 22.35 ETS 186.69 ZAE 149.61 ETE 164.17 ZAC 129.18 ETC 22.04 CLP 22.27

PLANETOCENTRIC CONIC

C3 120.949 VHL 10.998 DLA .55 RAL 168.26 RAD 6570.3 VEL 15.565 PTH 2.77 VHP 20.420 DPA 21.31 RAP 137.88 ECC 2.9905
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 57 55 2661.10 -27.31 71.76 60.67 97.78 7 42 16 2061.1 -25.95 63.36
 90.00 19 4 2 5271.29 26.98 238.30 60.14 81.05 20 31 54 4671.3 25.46 229.96
 100.00 8 19 31 2397.90 -28.81 52.17 60.43 98.32 8 59 29 1797.9 -27.36 43.66
 100.00 20 25 8 5009.72 28.47 218.79 59.86 80.50 21 48 37 4409.7 26.87 210.35
 110.00 9 28 20 2182.47 -32.89 35.05 59.67 99.88 10 4 43 1582.5 -31.18 26.25
 110.00 21 32 47 4797.92 32.54 201.85 59.00 78.89 22 52 45 4197.9 30.66 193.13

DIFFERENTIAL CORRECTIONS

TDE .6716 TRA-1.6438 TC3 -.1272 BAU .2116
 RDE -.7840 RRA -.4323 RC3 .0306 FAU .01442
 FDE -.3885 FRA .6991 FC3 -.1032 BSP 2641
 BDE 1.0323 BRA 1.6997 BC3 .1309 FSP -91

MID-COURSE EXECUTION ACCURACY

SGT 966.5 SGR 471.3 SG3 41.0
 RRT .0684 RRF -.0654 RTF -.6960
 SGB 1075.3 R23 -.0030 R13 -.6963
 SG1 967.2 SG2 469.8 THA 2.50

ORBIT DETERMINATION ACCURACY

ST 434.2 SR 414.0 SS 406.0
 CRT -.6986 CRS -.7901 CST .9893
 LSA 681.9 MSA 244.1 SSA 14.8
 EL1 553.0 EL2 232.6 ALF 136.95

LAUNCH DATE MAY 16 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 4 1967

HELIOCENTRIC CONIC

DISTANCE 167.187

RL 151.25 LAL -1.00 LOL 234.46 VL 20.630 GAL 13.56 AZL 92.43 MCA 60.43 SMA 99.84 ECC .55281 INC 2.4301 VI 29.45H
 RP 108.92 LAP -2.11 LOP 294.87 VP 33.283 GAP -33.20 AZP 91.20 TAL 168.46 TAP 228.89 RCA 44.65 APO 155.03 V2 34.793
 RC 56.154 GL -4.66 GP 2.07 ZAL 64.71 ZAP 20.91 ETS 187.17 ZAE 150.70 ETE 162.40 ZAC 127.55 ETC 21.49 CLP 20.81

PLANETOCENTRIC CONIC

C3 109.405 VHL 10.460 DLA -.27 RAL 168.84 RAD 6570.1 VEL 15.190 PTH 2.73 VHP 19.580 DPA 20.92 RAP 139.67 ECC 2.8005
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 6 14 2615.58 -26.85 68.51 59.31 99.35 7 49 50 2015.6 -25.29 60.19
 90.00 19 0 19 5276.12 27.03 238.64 59.57 81.22 20 28 15 4676.1 25.54 230.29
 100.00 8 27 27 2353.59 -28.34 48.96 59.03 99.94 9 6 41 1753.6 -26.67 40.55
 100.00 20 21 47 5013.34 28.52 219.05 59.30 80.63 21 45 20 4413.3 26.93 210.61
 110.00 9 35 25 2140.86 -32.36 31.92 58.14 101.66 10 11 6 1540.9 -30.42 23.25
 110.00 21 30 19 4798.83 32.55 201.92 58.46 78.93 22 50 18 4198.8 30.68 193.20

DIFFERENTIAL CORRECTIONS

TDE .6735 TRA-1.6413 TC3 -.1306 BAU .1978
 RDE -.7463 RRA -.4160 RC3 .0351 FAU .01473
 FDE -.4069 FRA .7210 FC3 -.1166 BSP 2809
 BDE 1.0053 BRA 1.6932 BC3 .1352 FSP -100

MID-COURSE EXECUTION ACCURACY

SGT 1009.5 SGR 473.8 SG3 44.5
 RRT .0711 RRF -.0688 RTF -.7131
 SGB 1115.1 R23 -.0039 R13 -.7133
 SG1 1010.2 SG2 472.2 THA 2.45

ORBIT DETERMINATION ACCURACY

ST 457.1 SR 414.5 SS 427.2
 CRT -.6988 CRS -.7929 CST .9888
 LSA 708.3 MSA 247.5 SSA 15.0
 EL1 569.3 EL2 238.1 ALF 138.99

LAUNCH DATE MAY 16 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 6 1967

HELIOCENTRIC CONIC

DISTANCE 173.464

RL 151.25 LAL -1.00 LOL 234.46 VL 21.121 GAL 12.97 AZL 92.52 MCA 63.59 SMA 101.40 ECC .52903 INC 2.5198 VI 29.45H
 RP 108.93 LAP -2.26 LOP 298.03 VP 33.586 GAP -31.68 AZP 91.12 TAL 167.87 TAP 231.46 RCA 47.76 APO 155.05 V2 34.790
 RC 54.407 GL -5.22 GP 2.16 ZAL 63.95 ZAP 19.48 ETS 187.76 ZAE 151.89 ETE 160.38 ZAC 125.91 ETC 20.97 CLP 19.36

PLANETOCENTRIC CONIC

C3 99.006 VHL 9.950 DLA -1.08 RAL 169.34 RAD 6569.9 VEL 14.844 PTH 2.68 VHP 18.769 DPA 20.52 RAP 141.45 ECC 2.6294
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 14 18 2569.20 -26.30 65.23 57.86 100.90 7 57 7 1969.2 -24.53 57.01
 90.00 18 56 16 5280.41 27.07 238.95 58.88 81.37 20 24 17 4680.4 25.60 230.59
 100.00 8 35 8 2308.44 -27.76 45.73 57.53 101.55 9 13 37 1708.4 -25.89 37.43
 100.00 20 18 7 5016.41 28.55 219.27 58.62 80.74 21 41 43 4416.4 26.97 210.82
 110.00 9 42 14 2098.43 -31.73 28.77 56.52 103.43 10 17 12 1498.4 -29.56 20.24
 110.00 21 27 31 4799.18 32.55 201.95 57.78 78.94 22 47 30 4199.2 30.69 193.23

DIFFERENTIAL CORRECTIONS

TDE .6755 TRA-1.6377 TC3 -.1329 BAU .1838
 RDE -.7093 RRA -.3996 RC3 .0401 FAU .01508
 FDE -.4262 FRA .7432 FC3 -.1319 BSP 2986
 BDE .9795 BRA 1.6857 BC3 .1389 FSP -111

MID-COURSE EXECUTION ACCURACY

SGT 1054.0 SGR 475.5 SG3 48.3
 RRT .0740 RRF -.0724 RTF -.7295
 SGB 1156.3 R23 -.0047 R13 -.7298
 SG1 1054.7 SG2 475.9 THA 2.39

ORBIT DETERMINATION ACCURACY

ST 491.1 SR 414.2 SS 449.3
 CRT -.6993 CRS -.7959 CST .9882
 LSA 736.2 MSA 250.2 SSA 15.1
 EL1 586.5 EL2 242.8 ALF 141.06

LAUNCH DATE MAY 16 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 8 1967

HELIOCENTRIC CONIC

DISTANCE 179.802

RL 151.25 LAL -1.00 LOL 234.46 VL 21.579 GAL 12.39 AZL 92.60 MCA 66.75 SMA 102.94 ECC .50610 INC 2.6047 VI 29.45H
 RP 108.93 LAP -2.39 LOP 301.19 VP 33.873 GAP -30.24 AZP 91.03 TAL 167.31 TAP 234.06 RCA 50.84 APO 155.04 V2 34.787
 RC 52.748 GL -5.81 GP 2.25 ZAL 63.26 ZAP 18.06 ETS 188.46 ZAE 153.18 ETE 158.03 ZAC 124.25 ETC 20.48 CLP 17.93

PLANETOCENTRIC CONIC

C3 89.636 VHL 9.468 DLA -1.91 RAL 169.77 RAD 6569.8 VEL 14.525 PTH 2.64 VHP 17.985 DPA 20.10 RAP 143.23 ECC 2.4752
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 22 8 2521.97 -25.65 61.92 56.32 102.43 8 4 10 1922.0 -23.68 53.81
 90.00 18 51 52 5284.28 27.11 239.22 58.07 81.50 20 19 57 4684.3 25.66 230.86
 100.00 8 42 35 2262.44 -27.09 42.47 55.95 103.14 9 20 18 1662.4 -25.01 34.29
 100.00 20 14 6 5019.04 28.58 219.46 57.81 80.84 21 37 45 4419.0 27.02 211.01
 110.00 9 48 47 2055.19 -31.01 25.61 54.82 105.17 10 23 3 1455.2 -28.61 17.23
 110.00 21 24 23 4799.06 32.55 201.94 56.99 78.94 22 44 22 4199.1 30.68 193.22

DIFFERENTIAL CORRECTIONS

TDE .6779 TRA-1.6326 TC3 -.1340 BAU .1696
 RDE -.6728 RRA -.3831 RC3 .0458 FAU .01547
 FDE -.4465 FRA .7658 FC3 -.1495 BSP 3177
 BDE .9551 BRA 1.6769 BC3 .1416 FSP -122

MID-COURSE EXECUTION ACCURACY

SGT 1099.9 SGR 476.6 SG3 52.4
 RRT .0769 RRF -.0763 RTF -.7454
 SGB 1198.7 R23 -.0058 R13 -.7456
 SG1 1100.7 SG2 474.8 THA 2.34

ORBIT DETERMINATION ACCURACY

ST 506.3 SR 413.1 SS 472.5
 CRT -.7001 CRS -.7988 CST .9878
 LSA 765.7 MSA 252.3 SSA 15.3
 EL1 605.0 EL2 246.8 ALF 143.15

LAUNCH DATE MAY 16 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 10 1967

HELIOCENTRIC CONIC

DISTANCE 186.196
 RL 151.25 LAL -.00 LOL 234.46 VL 22.008 GAL 11.83 AZL 92.69 MCA 69.91 SMA 104.45 ECC .48405 INC 2.6857 V1 29.45H
 RP 108.94 LAP -2.52 LOP 304.35 VP 34.146 GAP -28.85 A7P 90.92 TAL 166.78 TAP 236.69 RCA 53.89 APO 155.01 V2 34.786
 RC 51.183 GL -6.43 GP 2.34 ZAL 62.64 ZAP 16.65 ETS 189.33 ZAE 154.57 ETE 155.29 ZAC 122.58 ETC 20.01 CLP 16.49

PLANETOCENTRIC CONIC

C3 81.193 VML 9.011 CLA -2.74 RAL 170.12 RAD 6569.6 VEL 14.232 PTH 2.59 VHP 17.229 DPA 19.68 RAP 145.02 ECC 2.3362
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 29 44 2473.90 -24.90 58.60 54.70 103.94 8 10 58 1873.9 -22.74 50.60
 90.00 18 47 6 5287.87 27.15 239.48 57.14 81.62 20 15 14 4687.9 25.71 231.11
 100.00 8 49 48 2215.63 -26.33 39.21 54.30 104.70 9 26 43 1615.6 -24.05 31.15
 100.00 20 9 43 5021.38 28.60 219.63 56.89 80.92 21 33 25 4421.4 27.05 211.17
 110.00 9 55 6 2011.17 -30.18 22.45 53.06 106.87 10 28 38 1411.2 -27.57 14.23
 110.00 21 20 54 4798.60 32.55 201.90 56.08 78.92 22 40 53 4198.6 30.68 193.18

DIFFERENTIAL CORRECTIONS

TDE .6802 TRA-1.6263 TC3 -.1337 BAU .1557
 RDE -.6370 RRA -.3667 RC3 .0520 FAU .01590
 FDE -.4682 FRA .7888 FC3 -.1696 BSP 3361
 BDE .9319 BRA 1.6672 BC3 .1434 FSP -135

MID-COURSE EXECUTION ACCURACY

SGT 1147.6 SGR 476.8 SG3 56.9
 RRT .0802 RRF -.0805 RTF -.7604
 SGB 1242.7 R23 -.0069 R13 -.7607
 SG1 1148.3 SG2 475.0 THA 2.30

ORBIT DETERMINATION ACCURACY

ST 532.5 SR 411.1 SS 496.8
 CRT -.7010 CRS -.8018 CST .9873
 LSA 796.7 MSA 253.7 SSA 15.5
 EL1 624.6 EL2 250.0 ALF 145.24

LAUNCH DATE MAY 16 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 192.641
 RL 151.25 LAL -.00 LOL 234.46 VL 22.408 GAL 11.28 AZL 92.76 MCA 73.07 SMA 105.94 ECC .46289 INC 2.7635 V1 29.45H
 RP 108.94 LAP -2.64 LOP 307.52 VP 34.404 GAP -27.53 A7P 90.80 TAL 166.28 TAP 239.35 RCA 56.90 APO 154.97 V2 34.784
 RC 49.723 GL -7.09 GP 2.45 ZAL 62.09 ZAP 15.26 ETS 190.40 ZAE 156.03 ETE 152.05 ZAC 120.91 ETC 19.57 CLP 15.07

PLANETOCENTRIC CONIC

C3 73.588 VML 8.578 CLA -3.58 RAL 170.40 RAD 6569.4 VEL 13.962 PTH 2.55 VHP 16.498 DPA 19.25 RAP 146.80 ECC 2.2111
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 37 7 2425.02 -24.06 55.27 53.02 105.41 8 17 32 1825.0 -21.71 47.38
 90.00 18 41 56 5291.33 27.18 239.73 56.11 81.74 20 10 7 4691.3 25.76 231.35
 100.00 8 56 47 2168.02 -25.46 35.93 52.58 106.21 9 32 55 1568.0 -22.99 28.00
 100.00 20 4 57 5023.56 28.63 219.79 55.86 81.00 21 28 41 4423.6 27.09 211.32
 110.00 10 1 11 1966.40 -29.25 19.29 51.24 108.53 10 33 57 1366.4 -26.44 11.24
 110.00 21 17 2 4797.95 32.54 201.85 55.06 78.89 22 37 0 4197.9 30.66 193.14

DIFFERENTIAL CORRECTIONS

TDE .6805 TRA-1.6209 TC3 -.1328 BAU .1429
 RDE -.6020 RRA -.3504 RC3 .0590 FAU .01636
 FDE -.4909 FRA .8125 FC3 -.1925 BSP 3498
 BDE .9085 BRA 1.6583 BC3 .1453 FSP -148

MID-COURSE EXECUTION ACCURACY

SGT 1198.0 SGR 476.3 SG3 61.8
 RRT .0852 RRF -.0855 RTF -.7740
 SGB 1289.2 R23 -.0074 R13 -.7742
 SG1 1198.8 SG2 474.3 THA 2.30

ORBIT DETERMINATION ACCURACY

ST 559.0 SR 408.2 SS 522.2
 CRT -.7006 CRS -.8046 CST .9865
 LSA 828.6 MSA 255.0 SSA 15.6
 EL1 644.4 EL2 252.7 ALF 147.26

LAUNCH DATE MAY 16 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 199.132
 RL 151.25 LAL -.00 LOL 234.46 VL 22.781 GAL 10.76 AZL 92.84 MCA 76.24 SMA 107.38 ECC .44263 INC 2.8387 V1 29.45H
 RP 108.94 LAP -2.76 LOP 310.68 VP 34.648 GAP -26.26 A7P 90.68 TAL 165.82 TAP 242.05 RCA 59.85 APO 154.91 V2 34.784
 RC 48.377 GL -7.80 GP 2.57 ZAL 61.63 ZAP 13.87 ETS 191.74 ZAE 157.54 ETE 148.19 ZAC 119.22 ETC 19.15 CLP 13.64

PLANETOCENTRIC CONIC

C3 66.739 VML 8.169 CLA -4.43 RAL 170.60 RAD 6569.3 VEL 13.715 PTH 2.51 VHP 15.792 DPA 18.81 RAP 148.58 ECC 2.0983
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 44 18 2375.34 -23.12 51.93 51.27 106.82 8 23 53 1775.3 -20.59 44.17
 90.00 18 36 20 5294.83 27.22 239.98 54.97 81.86 20 4 35 4694.8 25.81 231.59
 100.00 9 3 33 2119.65 -24.50 32.66 50.80 107.68 9 38 53 1519.7 -21.85 24.86
 100.00 19 59 46 5025.75 28.65 219.95 54.73 81.08 21 23 31 4425.8 27.12 211.48
 110.00 10 7 2 -1920.94 -28.23 16.15 49.38 110.13 10 39 3 1320.9 -25.22 8.27
 110.00 21 12 47 4797.23 32.53 201.80 53.93 78.86 22 32 44 4197.2 30.65 193.09

DIFFERENTIAL CORRECTIONS

TDE .6830 TRA-1.6119 TC3 -.1289 BAU .1295
 RDE -.5676 RRA -.3344 RC3 .0667 FAU .01689
 FDE -.5155 FRA .8366 FC3 -.2191 BSP 3687
 BDE .8881 BRA 1.6462 BC3 .1452 FSP -163

MID-COURSE EXECUTION ACCURACY

SGT 1248.8 SGR 475.1 SG3 67.2
 RRT .0894 RRF -.0908 RTF -.7876
 SGB 1336.1 R23 -.0086 R13 -.7878
 SG1 1249.7 SG2 472.8 THA 2.27

ORBIT DETERMINATION ACCURACY

ST 587.6 SR 404.3 SS 549.1
 CRT -.7018 CRS -.8077 CST .9860
 LSA 863.1 MSA 255.1 SSA 15.8
 EL1 666.5 EL2 253.9 ALF 149.30

LAUNCH DATE MAY 16 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 205.664
 RL 151.25 LAL -.00 LOL 234.46 VL 23.130 GAL 10.25 AZL 92.91 MCA 79.40 SMA 108.79 ECC .42326 INC 2.9118 V1 29.45H
 RP 108.94 LAP -2.86 LOP 313.84 VP 34.879 GAP -25.04 A7P 90.54 TAL 165.39 TAP 244.79 RCA 62.74 APO 154.84 V2 34.784
 RC 47.155 GL -8.54 GP 2.70 ZAL 61.24 ZAP 12.50 ETS 193.46 ZAE 159.07 ETE 143.56 ZAC 117.53 ETC 18.76 CLP 12.21

PLANETOCENTRIC CONIC

C3 60.574 VML 7.783 CLA -5.30 RAL 170.72 RAD 6569.1 VEL 13.488 PTH 2.47 VHP 15.109 DPA 18.38 RAP 150.35 ECC 1.9969
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 51 17 2324.90 -22.08 48.59 49.48 108.19 8 30 2 1724.9 -19.39 40.95
 90.00 18 30 17 5298.55 27.25 240.24 53.74 81.99 19 58 36 4698.6 25.86 231.85
 100.00 9 10 8 2070.56 -23.45 29.39 48.98 109.09 9 44 38 1470.6 -20.63 21.73
 100.00 19 54 8 5028.13 28.67 220.12 53.50 81.17 21 17 56 4428.1 27.16 211.64
 110.00 10 12 39 1874.83 -27.11 13.03 47.47 111.67 10 43 54 1274.8 -23.92 5.32
 110.00 21 8 6 4796.63 32.52 201.75 52.71 78.83 22 28 3 4196.6 30.64 193.04

DIFFERENTIAL CORRECTIONS

TDE .6860 TRA-1.6012 TC3 -.1226 BAU .1165
 RDE -.5340 RRA -.3186 RC3 .0753 FAU .01747
 FDE -.5420 FRA .8613 FC3 -.2497 BSP 3884
 BDE .8694 BRA 1.6326 BC3 .1438 FSP -179

MID-COURSE EXECUTION ACCURACY

SGT 1301.1 SGR 473.0 SG3 73.1
 RRT .0942 RRF -.0967 RTF -.8005
 SGB 1384.4 R23 -.0100 R13 -.8008
 SG1 1302.0 SG2 470.6 THA 2.26

ORBIT DETERMINATION ACCURACY

ST 617.4 SR 399.4 SS 577.7
 CRT -.7034 CRS -.8108 CST .9856
 LSA 899.8 MSA 254.4 SSA 15.9
 EL1 690.1 EL2 254.0 ALF 151.29

LAUNCH DATE MAY 16 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 212.234

RL 151.25 LAL -0.00 LOL 234.46 VL 23.455 GAL 9.76 AZL 92.98 MCA 82.56 SMA 110.16 ECC .40479 INC 2.9835 V1 29.45H
 RP 108.94 LAP -2.96 LOP 317.01 VP 35.096 GAP -23.87 AZP 90.39 TAL 165.01 TAP 247.56 RCA 65.57 APO 154.75 V2 34.785
 RC 46.068 GL -9.33 GP 2.84 ZAL 60.92 ZAP 11.14 ETS 195.68 ZAE 160.56 ETE 137.97 ZAC 115.84 ETC 18.39 CLP 10.78

PLANETOCENTRIC CONIC

C3 55.028 VHL 7.418 DLA -6.17 RAL 170.76 RAD 6569.0 VEL 13.281 PTH 2.43 VMP 14.450 DPA 17.94 RAP 152.12 ECC 1.9056
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 58 6 2273.74 -20.96 45.26 47.64 109.49 8 36 0 1673.7 -18.11 37.75
 90.00 18 23 45 5302.69 27.29 240.54 52.41 82.14 19 52 8 4702.7 25.92 232.14
 100.00 9 16 31 2020.79 -22.30 26.14 47.12 110.44 9 50 12 1420.8 -19.32 18.61
 100.00 19 48 2 5030.87 28.70 220.32 52.18 81.27 21 11 53 4430.9 27.20 211.84
 110.00 10 18 3 1828.13 -25.89 9.95 45.54 113.14 10 48 31 1228.1 -22.54 2.40
 110.00 21 2 59 4796.30 32.52 201.73 51.40 78.82 22 22 55 4196.3 30.63 193.02

DIFFERENTIAL CORRECTIONS

TDE .6896 TRA-1.5886 TC3 -.1133 BAU .1041
 RDE -.5011 RRA -.3032 RC3 .0847 FAU .01812
 FDE -.5709 FRA .8866 FC3 -.2850 BSP 4087
 BDE .8525 BRA 1.6173 BC3 .1415 FSP -198

MID-COURSE EXECUTION ACCURACY

SGT 1354.7 SGR 470.2 SG3 79.5
 RRT .0996 RRF -.1033 RTF -.8129
 SGB 1433.9 R23 -.0115 R13 -.8131
 SG1 1355.6 SG2 467.5 TMA 2.25

ORBIT DETERMINATION ACCURACY

ST 648.7 SR 393.5 SS 608.1
 CRT -.7053 CRS -.8140 CST .9852
 LSA 938.7 MSA 253.0 SSA 16.1
 EL1 715.3 EL2 253.0 ALF 153.23

LAUNCH DATE MAY 16 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 218.835

RL 151.25 LAL -0.00 LOL 234.46 VL 23.759 GAL 9.28 AZL 93.05 MCA 85.72 SMA 111.49 ECC .38721 INC 3.0542 V1 29.45H
 RP 108.93 LAP -3.05 LOP 320.17 VP 35.301 GAP -22.75 AZP 90.23 TAL 164.66 TAP 250.38 RCA 68.32 APO 154.65 V2 34.787
 RC 45.125 GL -10.17 GP 3.00 ZAL 60.69 ZAP 9.81 ETS 198.62 ZAE 161.95 ETE 131.23 ZAC 114.15 ETC 18.04 CLP 9.34

PLANETOCENTRIC CONIC

C3 50.045 VHL 7.074 DLA -7.07 RAL 170.71 RAD 6568.8 VEL 13.092 PTH 2.39 VMP 13.813 DPA 17.50 RAP 153.87 ECC 1.8236
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 4 46 2221.90 -19.75 41.95 45.78 110.72 8 41 48 1621.9 -16.75 34.55
 90.00 18 16 42 5307.45 27.33 240.88 51.01 82.30 19 45 10 4707.4 25.99 232.47
 100.00 9 22 44 1970.39 -21.07 22.91 45.23 111.71 9 55 35 1370.4 -17.93 15.51
 100.00 19 41 26 5034.19 28.74 220.56 50.78 81.39 21 5 20 4434.2 27.25 212.07
 110.00 10 23 15 1780.90 -24.60 6.89 43.60 114.52 10 52 56 1180.9 -21.08 359.51
 110.00 20 57 24 4796.44 32.52 201.74 50.02 78.83 22 17 20 4196.4 30.64 193.03

DIFFERENTIAL CORRECTIONS

TDE .6938 TRA-1.5743 TC3 -.1009 BAU .0927
 RDE -.4690 RRA -.2882 RC3 .0950 FAU .01883
 FDE -.6022 FRA .9127 FC3 -.3257 BSP 4292
 BDE .8375 BRA 1.6004 BC3 .1386 FSP -218

MID-COURSE EXECUTION ACCURACY

SGT 1409.6 SGR 466.6 SG3 86.6
 RRT .1058 RRF -.1110 RTF -.8246
 SGB 1484.8 R23 -.0132 R13 -.8249
 SG1 1410.5 SG2 463.6 TMA 2.25

ORBIT DETERMINATION ACCURACY

ST 681.4 SR 386.4 SS 640.4
 CRT -.7075 CRS -.8171 CST .9848
 LSA 980.1 MSA 250.8 SSA 16.2
 EL1 742.1 EL2 250.7 ALF 155.11

LAUNCH DATE MAY 16 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 225.465

RL 151.25 LAL -0.00 LOL 234.46 VL 24.042 GAL 8.83 AZL 93.12 MCA 88.88 SMA 112.77 ECC .37050 INC 3.1243 V1 29.45H
 RP 108.93 LAP -3.12 LOP 323.34 VP 35.495 GAP -21.66 AZP 90.06 TAL 164.36 TAP 253.24 RCA 70.99 APO 154.55 V2 34.790
 RC 44.335 GL -11.06 GP 3.17 ZAL 60.55 ZAP 8.50 ETS 202.64 ZAE 163.13 ETE 123.20 ZAC 112.46 ETC 17.70 CLP 7.89

PLANETOCENTRIC CONIC

C3 45.570 VHL 6.751 DLA -7.97 RAL 170.57 RAD 6568.7 VEL 12.920 PTH 2.35 VMP 13.197 DPA 17.07 RAP 155.62 ECC 1.7500
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 11 18 2169.41 -18.45 38.64 43.89 111.87 8 47 28 1569.4 -15.32 31.36
 90.00 18 9 7 5313.05 27.39 241.28 49.53 82.50 19 37 40 4713.1 26.06 232.87
 100.00 9 28 48 1919.41 -19.75 19.69 43.33 112.91 10 0 47 1319.4 -16.48 12.43
 100.00 19 34 18 5038.29 28.78 220.86 49.31 81.54 20 58 16 4438.3 27.31 212.36
 110.00 10 28 16 1733.22 -23.21 3.88 41.64 115.83 10 57 9 1133.2 -19.55 356.66
 110.00 20 51 20 4797.24 32.53 201.80 48.56 78.86 22 11 17 4197.2 30.65 193.09

DIFFERENTIAL CORRECTIONS

TDE .6988 TRA-1.5579 TC3 -.0848 BAU .0828
 RDE -.4376 RRA -.2738 RC3 .1063 FAU .01962
 FDE -.6365 FRA .9397 FC3 -.3727 BSP 4499
 BDE .8245 BRA 1.5818 BC3 .1360 FSP -240

MID-COURSE EXECUTION ACCURACY

SGT 1465.5 SGR 462.2 SG3 94.4
 RRT .1131 RRF -.1199 RTF -.8357
 SGB 1536.7 R23 -.0152 R13 -.8360
 SG1 1466.5 SG2 458.9 TMA 2.26

ORBIT DETERMINATION ACCURACY

ST 715.7 SR 378.1 SS 675.0
 CRT -.7100 CRS -.8203 CST .9845
 LSA 1024.2 MSA 247.9 SSA 16.3
 EL1 770.8 EL2 247.2 ALF 156.93

LAUNCH DATE MAY 16 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 232.119

RL 151.25 LAL -0.00 LOL 234.46 VL 24.305 GAL 8.39 AZL 93.19 MCA 92.04 SMA 114.00 ECC .35464 INC 3.1943 V1 29.45H
 RP 108.92 LAP -3.19 LOP 326.50 VP 35.677 GAP -20.62 AZP 89.89 TAL 164.10 TAP 256.14 RCA 73.57 APO 154.43 V2 34.793
 RC 43.707 GL -12.00 GP 3.36 ZAL 60.48 ZAP 7.26 ETS 208.78 ZAE 164.00 ETE 113.88 ZAC 110.78 ETC 17.39 CLP 6.43

PLANETOCENTRIC CONIC

C3 41.557 VHL 6.446 DLA -8.90 RAL 170.35 RAD 6568.6 VEL 12.764 PTH 2.32 VMP 12.602 DPA 16.65 RAP 157.35 ECC 1.6839
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 17 44 2116.32 -17.07 35.35 41.99 112.94 8 53 0 1516.3 -13.82 28.19
 90.00 18 0 56 5319.72 27.44 241.76 47.99 82.73 19 29 35 4719.7 26.15 233.33
 100.00 9 34 44 1867.90 -18.35 16.50 41.41 114.02 10 5 52 1267.9 -14.95 9.36
 100.00 19 26 37 5043.38 28.83 221.23 47.77 81.73 20 50 40 4443.4 27.39 212.72
 110.00 10 33 5 1685.16 -21.76 .91 39.68 117.04 11 1 10 1085.2 -17.96 353.84
 110.00 20 44 44 4798.88 32.55 201.92 47.04 78.93 22 4 43 4198.9 30.68 193.20

DIFFERENTIAL CORRECTIONS

TDE .7043 TRA-1.5401 TC3 -.0646 BAU .0751
 RDE -.4070 RRA -.2600 RC3 .1186 FAU .02050
 FDE -.6742 FRA .9678 FC3 -.4270 BSP 4707
 BDE .8135 BRA 1.5618 BC3 .1351 FSP -265

MID-COURSE EXECUTION ACCURACY

SGT 1522.6 SGR 457.1 SG3 103.0
 RRT .1219 RRF -.1304 RTF -.8462
 SGB 1589.8 R23 -.0174 R13 -.8465
 SG1 1523.7 SG2 453.4 TMA 2.30

ORBIT DETERMINATION ACCURACY

ST 751.4 SR 368.5 SS 712.0
 CRT -.7125 CRS -.8232 CST .9843
 LSA 1071.2 MSA 244.4 SSA 16.4
 EL1 801.0 EL2 242.6 ALF 158.69

LAUNCH DATE MAY 16 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC
 RL 151.25 LAL -0.00 LOL 234.46 VL 24.551 GAL 7.97 AZL 93.26 MCA 95.20 SMA 115.19 ECC .33964 INC 3.2645 V1 29.45H
 RP 108.90 LAP -3.25 LOP 329.67 VP 35.848 GAP -19.62 A7P 89.70 TAL 163.88 TAP 259.08 RCA 76.07 APO 154.31 V2 34.797
 RC 43.245 GL -12.99 GP 3.58 ZAL 60.51 ZAP 6.11 ETS 216.41 ZAE 164.46 ETE 103.54 ZAC 109.11 ETC 17.09 CLP 4.96

PLANETOCENTRIC CONIC
 C3 37.963 VML 6.161 DLA -9.85 RAL 170.04 RAD 6568.5 VEL 12.623 PTH 2.29 VMP 12.028 DPA 16.24 RAP 159.07 ECC 1.624H
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 24 4 2062.65 -15.62 32.09 40.09 113.93 8 58 26 1462.7 -12.25 25.02
 90.00 17 52 7 5327.70 27.51 242.34 46.39 83.01 19 20 55 4727.7 26.26 233.90
 100.00 9 40 33 1815.90 -16.88 13.34 39.49 115.04 10 10 49 1215.9 -13.37 6.31
 100.00 19 18 19 5049.69 28.89 221.68 46.18 81.97 20 42 29 4449.7 27.48 213.17
 110.00 10 37 45 1636.78 -20.23 357.98 37.72 118.16 11 5 2 1036.8 -16.31 351.06
 110.00 20 37 37 4801.57 32.58 202.13 45.46 79.04 21 57 38 4201.6 30.73 193.40

DIFFERENTIAL CORRECTIONS
 TOE .7108 TRA-1.5204 TC3 -.0403 BAU .0701
 RDE -.3771 RRA -.2468 RC3 .1320 FAU .02146
 FDE -.7159 FRA .9970 FC3 -.4895 BSP 4914
 BDE .8046 BRA 1.5403 BC3 .1380 FSP -293

MID-COURSE EXECUTION ACCURACY
 SGT 1580.6 SGR 451.3 SG3 112.4
 RRT .1323 RRF -.1428 RTF -.8560
 SGB 1643.8 R23 -.0199 R13 -.8563
 SGI 1581.9 SG2 447.0 THA 2.35

ORBIT DETERMINATION ACCURACY
 ST 788.8 SR 357.6 SS 751.7
 CRT -.7151 CRS -.8259 CST .9842
 LSA 1121.3 MSA 240.2 SSA 16.5
 EL1 833.1 EL2 236.7 ALF 160.39

LAUNCH DATE MAY 16 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC
 RL 151.25 LAL -0.00 LOL 234.46 VL 24.779 GAL 7.56 AZL 93.34 MCA 98.36 SMA 116.32 ECC .32546 INC 3.3355 V1 29.45H
 RP 108.89 LAP -3.30 LOP 332.84 VP 36.009 GAP -18.65 A7P 89.51 TAL 163.71 TAP 262.07 RCA 78.47 APO 154.18 V2 34.801
 RC 42.956 GL -14.03 GP 3.81 ZAL 60.62 ZAP 5.15 ETS 228.32 ZAE 164.44 ETE 92.79 ZAC 107.44 ETC 16.80 CLP 3.46

PLANETOCENTRIC CONIC
 C3 34.750 VML 5.895 DLA -10.82 RAL 169.65 RAD 6568.4 VEL 12.495 PTH 2.26 VMP 11.473 DPA 15.85 RAP 160.77 ECC 1.5719
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 30 21 2008.44 -14.09 28.83 38.19 114.82 9 3 49 1408.4 -10.63 21.87
 90.00 17 42 10 5337.23 27.59 243.02 44.74 83.35 19 11 37 4737.2 26.38 234.57
 100.00 9 46 17 1763.46 -15.34 10.21 37.57 115.97 10 15 40 1163.5 -11.73 3.28
 100.00 19 9 25 5057.44 28.96 222.25 44.54 82.26 20 33 42 4457.4 27.59 213.72
 110.00 10 42 16 1588.15 -18.64 355.11 35.77 119.18 11 8 44 988.2 -14.61 348.31
 110.00 20 29 55 4805.51 32.63 202.42 43.85 79.21 21 50 1 4205.5 30.80 193.68

DIFFERENTIAL CORRECTIONS
 TOE .7182 TRA-1.4986 TC3 -.0108 BAU .0682
 RDE -.3478 RRA -.2344 RC3 .1465 FAU .02254
 FDE -.7623 FRA 1.0274 FC3 -.5617 BSP 5127
 BDE .7980 BRA 1.5168 BC3 .1469 FSP -323

MID-COURSE EXECUTION ACCURACY
 SGT 1639.0 SGR 444.9 SG3 122.8
 RRT .1449 RRF -.1576 RTF -.8654
 SGB 1698.3 R23 -.0227 R13 -.8657
 SGI 1640.4 SG2 439.8 THA 2.43

ORBIT DETERMINATION ACCURACY
 ST 827.8 SR 345.2 SS 794.5
 CRT -.7176 CRS -.8283 CST .9841
 LSA 1174.7 MSA 235.4 SSA 16.5
 EL1 867.0 EL2 229.5 ALF 162.04

LAUNCH DATE MAY 16 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC
 RL 151.25 LAL -0.00 LOL 234.46 VL 24.991 GAL 7.18 AZL 93.41 MCA 101.53 SMA 117.41 ECC .31209 INC 3.4076 V1 29.45H
 RP 108.87 LAP -3.34 LOP 336.01 VP 36.161 GAP -17.72 A7P 89.32 TAL 163.57 TAP 265.10 RCA 80.77 APO 154.05 V2 34.806
 RC 42.841 GL -15.13 GP 4.08 ZAL 60.82 ZAP 4.51 ETS 245.03 ZAE 163.91 ETE 82.38 ZAC 105.79 ETC 16.53 CLP 1.94

PLANETOCENTRIC CONIC
 C3 31.883 VML 5.647 DLA -11.81 RAL 169.16 RAD 6568.3 VEL 12.380 PTH 2.23 VMP 10.938 DPA 15.49 RAP 162.45 ECC 1.5247
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 36 37 1953.70 -12.50 25.60 36.29 115.61 9 9 10 1353.7 -8.96 18.72
 90.00 17 32 30 5348.55 27.67 243.84 43.06 83.75 19 1 38 4748.6 26.52 235.37
 100.00 9 51 57 1710.61 -13.74 7.10 35.66 116.81 10 20 28 1110.6 -10.04 .27
 100.00 18 59 50 5066.87 29.05 222.94 42.87 82.61 20 24 17 4466.9 27.72 214.39
 110.00 10 46 38 1539.35 -17.00 352.28 33.84 120.11 11 12 18 939.3 -12.87 345.60
 110.00 20 21 38 4810.90 32.70 202.83 42.20 79.44 21 41 49 4210.9 30.90 194.07

DIFFERENTIAL CORRECTIONS
 TOE .7267 TRA-1.4753 TC3 .0235 BAU .0698
 RDE -.3192 RRA -.2228 RC3 .1621 FAU .02374
 FDE -.8140 FRA 1.0594 FC3 -.6446 BSP 5339
 BDE .7937 BRA 1.4920 BC3 .1638 FSP -358

MID-COURSE EXECUTION ACCURACY
 SGT 1698.1 SGR 437.9 SG3 134.4
 RRT .1603 RRF -.1754 RTF -.8741
 SGB 1753.6 R23 -.0259 R13 -.8744
 SGI 1699.6 SG2 431.8 THA 2.53

ORBIT DETERMINATION ACCURACY
 ST 868.5 SR 331.2 SS 840.6
 CRT -.7197 CRS -.8300 CST .9841
 LSA 1231.8 MSA 230.2 SSA 16.6
 EL1 902.8 EL2 221.2 ALF 163.64

LAUNCH DATE MAY 16 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC
 RL 151.25 LAL -0.00 LOL 234.46 VL 25.188 GAL 6.81 AZL 93.48 MCA 104.69 SMA 118.45 ECC .29950 INC 3.4814 V1 29.45H
 RP 108.86 LAP -3.37 LOP 339.18 VP 36.303 GAP -16.82 A7P 89.12 TAL 163.49 TAP 268.18 RCA 82.97 APO 153.92 V2 34.812
 RC 42.900 GL -16.29 GP 4.37 ZAL 61.10 ZAP 4.39 ETS 265.29 ZAE 162.94 ETE 72.96 ZAC 104.16 ETC 16.28 CLP .39

PLANETOCENTRIC CONIC
 C3 29.331 VML 5.416 DLA -12.82 RAL 168.58 RAD 6568.2 VEL 12.276 PTH 2.21 VMP 10.421 DPA 15.15 RAP 164.12 ECC 1.4827
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 42 54 1898.42 -10.86 22.37 34.41 116.31 9 14 32 1298.4 -7.23 15.57
 90.00 17 21 35 5361.94 27.77 244.81 41.35 84.23 18 50 57 4761.9 26.68 236.31
 100.00 9 57 37 1657.37 -12.09 4.01 33.77 117.55 10 25 14 1057.4 -8.30 357.27
 100.00 18 49 34 5078.22 29.14 223.77 41.17 83.04 20 14 12 4478.2 27.87 215.19
 110.00 10 50 55 1490.42 -15.31 349.49 31.92 120.94 11 15 46 890.4 -11.09 342.93
 110.00 20 12 45 4817.94 32.79 203.36 40.53 79.75 21 33 3 4217.9 31.03 194.58

DIFFERENTIAL CORRECTIONS
 TOE .7359 TRA-1.4499 TC3 .0636 BAU .0745
 RDE -.2910 RRA -.2121 RC3 .1790 FAU .02507
 FDE -.8720 FRA 1.0930 FC3 -.7399 BSP 5540
 BDE .7914 BRA 1.4653 BC3 .1899 FSP -395

MID-COURSE EXECUTION ACCURACY
 SGT 1756.6 SGR 430.4 SG3 147.1
 RRT .1794 RRF -.1968 RTF -.8822
 SGB 1808.6 R23 -.0293 R13 -.8826
 SGI 1758.4 SG2 423.0 THA 2.67

ORBIT DETERMINATION ACCURACY
 ST 910.4 SR 315.5 SS 890.5
 CRT -.7208 CRS -.8308 CST .9842
 LSA 1292.6 MSA 224.6 SSA 16.6
 EL1 940.0 EL2 211.8 ALF 165.21

LAUNCH DATE MAY 16 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 265.621

RL 151.25 LAL -.00 LOL 234.46 VL 25.370 GAL 6.46 AZL 93.56 MCA 107.86 SMA 119.43 ECC .28767 INC 3.5574 V1 29.45H
 RP 108.84 LAP -3.39 LOP 342.35 VP 36.436 GAP -15.95 AZP 88.91 TAL 163.44 TAP 271.30 RCA 85.07 APO 153.79 V2 34.819
 RC 43.133 GL -17.50 GP 4.71 ZAL 61.47 ZAP 4.86 ETS 284.53 ZAE 161.63 ETE 64.86 ZAC 102.55 ETC 16.03 CLP -1.19

PLANETOCENTRIC CONIC

C3 27.064 VHL 5.202 DLA -13.86 RAL 167.91 RAD 6568.1 VEL 12.184 PTH 2.19 VHP 9.923 DPA 14.86 RAP 165.76 ECC 1.4454
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 49 16 1842.58 -9.15 19.16 32.56 116.91 9 19 58 1242.6 -5.47 12.41
 90.00 17 9 53 5377.66 27.87 245.95 39.62 84.79 18 39 31 4777.7 26.86 237.43
 100.00 10 3 17 1603.74 -10.38 .95 31.91 118.19 10 30 1 1003.7 -6.53 354.27
 100.00 18 38 33 5091.73 29.25 224.76 39.46 83.55 20 3 24 4491.7 28.05 216.16
 110.00 10 55 7 1441.41 -13.57 346.76 30.03 121.68 11 19 8 841.4 -9.28 340.28
 110.00 20 3 12 4826.83 32.89 204.03 38.85 80.13 21 23 39 4226.8 31.18 195.23

DIFFERENTIAL CORRECTIONS

TDE .7481 TRA-1.4216 TC3 .1094 BAU .0816
 RDE -.2631 RRA -.2024 RC3 .1971 FAU .02654
 FDE -.9374 FRA 1.1284 FC3 -.8491 BSP 5758
 BDE .7931 BRA 1.4359 BC3 .2254 FSP -437

MID-COURSE EXECUTION ACCURACY

SGT 1814.5 SGR 422.8 SG3 161.3
 RRT .2018 RRF -.2228 RTF -.8902
 SGB 1863.1 R23 -.0340 R13 -.8907
 SGI 1816.6 SG2 413.6 THA 2.84

ORBIT DETERMINATION ACCURACY

ST 955.5 SR 297.9 SS 944.6
 CRT -.7217 CRS -.8303 CST .9846
 LSA 1358.7 MSA 218.2 SSA 16.6
 EL1 980.5 EL2 201.0 ALF 166.75

LAUNCH DATE MAY 16 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 272.344

RL 151.25 LAL -.00 LOL 234.46 VL 25.539 GAL 6.13 AZL 93.64 MCA 111.03 SMA 120.36 ECC .27659 INC 3.6363 V1 29.45H
 RP 108.81 LAP -3.39 LOP 345.53 VP 36.561 GAP -15.11 AZP 88.69 TAL 163.43 TAP 274.46 RCA 87.07 APO 153.65 V2 34.826
 RC 43.534 GL -18.77 GP 5.08 ZAL 61.93 ZAP 5.81 ETS 299.23 ZAE 160.07 ETE 58.15 ZAC 100.96 ETC 15.80 CLP -2.81

PLANETOCENTRIC CONIC

C3 25.058 VHL 5.006 DLA -14.92 RAL 167.15 RAD 6568.0 VEL 12.101 PTH 2.17 VHP 9.442 DPA 14.61 RAP 167.38 ECC 1.4124
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 55 46 1786.12 -7.40 15.94 30.73 117.41 9 25 32 1186.1 -3.67 9.24
 90.00 16 57 20 5396.00 27.98 247.28 37.88 85.45 18 27 16 4796.0 27.05 238.74
 100.00 10 9 3 1549.71 -8.63 357.89 30.07 118.73 10 34 52 949.7 -4.73 351.28
 100.00 18 26 45 5107.65 29.37 225.93 37.73 84.15 19 51 52 4507.7 28.25 217.30
 110.00 10 59 16 1392.37 -11.80 344.06 28.17 122.32 11 22 29 792.4 -7.45 337.66
 110.00 19 53 0 4837.76 33.02 204.86 37.16 80.61 21 13 38 4237.8 31.37 196.02

DIFFERENTIAL CORRECTIONS

TDE .7612 TRA-1.3939 TC3 .1601 BAU .0902
 RDE -.2355 RRA -.1938 RC3 .2165 FAU .02819
 FDE -1.0114 FRA 1.1658 FC3 -.9740 BSP 5963
 BDE .7968 BRA 1.4073 BC3 .2693 FSP -485

MID-COURSE EXECUTION ACCURACY

SGT 1873.7 SGR 415.1 SG3 177.0
 RRT .2301 RRF -.2544 RTF -.8973
 SGB 1919.2 R23 -.0389 R13 -.8978
 SGI 1876.3 SG2 403.4 THA 3.06

ORBIT DETERMINATION ACCURACY

ST 1002.2 SR 278.2 SS 1003.4
 CRT -.7196 CRS -.8278 CST .9848
 LSA 1429.5 MSA 212.1 SSA 16.5
 EL1 1022.7 EL2 189.3 ALF 168.30

LAUNCH DATE MAY 16 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 279.069

RL 151.25 LAL -.00 LOL 234.46 VL 25.696 GAL 5.81 AZL 93.72 MCA 114.20 SMA 121.24 ECC .26622 INC 3.7185 V1 29.45H
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.677 GAP -14.29 AZP 88.47 TAL 163.47 TAP 277.66 RCA 88.97 APO 153.52 V2 34.834
 RC 44.099 GL -20.09 GP 5.51 ZAL 62.47 ZAP 7.09 ETS 309.35 ZAE 158.37 ETE 52.71 ZAC 99.41 ETC 15.57 CLP -4.48

PLANETOCENTRIC CONIC

C3 23.290 VHL 4.826 DLA -16.01 RAL 166.31 RAD 6567.9 VEL 12.028 PTH 2.15 VHP 8.980 DPA 14.42 RAP 168.97 ECC 1.3833
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 2 30 1728.95 -5.59 12.70 28.95 117.80 9 31 19 1128.9 -1.83 6.05
 90.00 16 43 52 5417.30 28.08 248.83 36.14 86.22 18 14 9 4817.3 27.26 240.26
 100.00 10 14 56 1495.21 -6.83 354.85 28.27 119.17 10 39 52 895.2 -2.89 348.27
 100.00 18 14 6 5126.26 29.49 227.30 36.01 84.86 19 39 33 4526.3 28.46 218.64
 110.00 11 3 26 1343.30 -10.00 341.40 26.35 122.86 11 25 49 743.3 -5.60 335.07
 110.00 19 42 6 4850.93 33.16 205.86 35.49 81.18 21 2 57 4250.9 31.59 196.99

DIFFERENTIAL CORRECTIONS

TDE .7751 TRA-1.3636 TC3 .2159 BAU .0999
 RDE -.2078 RRA -.1864 RC3 .2373 FAU .03001
 FDE -1.0952 FRA 1.2056 FC3 -1.1156 BSP 6159
 BDE .8025 BRA 1.3763 BC3 .3208 FSP -537

MID-COURSE EXECUTION ACCURACY

SGT 1930.6 SGR 407.8 SG3 194.5
 RRT .2649 RRF -.2928 RTF -.9041
 SGB 1973.2 R23 -.0446 R13 -.9047
 SGI 1933.7 SG2 392.6 THA 3.34

ORBIT DETERMINATION ACCURACY

ST 1049.9 SR 256.2 SS 1067.0
 CRT -.7139 CRS -.8219 CST .9852
 LSA 1504.6 MSA 205.8 SSA 16.3
 EL1 1066.1 EL2 176.7 ALF 169.83

LAUNCH DATE MAY 16 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 285.792

RL 151.25 LAL -.00 LOL 234.46 VL 25.840 GAL 5.51 AZL 93.81 MCA 117.37 SMA 122.07 ECC .25654 INC 3.8050 V1 29.45H
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.787 GAP -13.51 AZP 88.25 TAL 163.54 TAP 280.90 RCA 90.76 APO 153.39 V2 34.842
 RC 44.820 GL -21.47 GP 5.99 ZAL 63.08 ZAP 8.61 ETS 316.17 ZAE 156.61 ETE 48.37 ZAC 97.89 ETC 15.35 CLP -6.20

PLANETOCENTRIC CONIC

C3 21.739 VHL 4.663 DLA -17.12 RAL 165.38 RAD 6567.9 VEL 11.963 PTH 2.13 VHP 8.535 DPA 14.29 RAP 170.54 ECC 1.3578
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 9 33 1670.89 -3.74 9.44 27.21 118.09 9 37 24 1070.9 .05 2.81
 90.00 16 29 24 5441.90 28.18 250.62 34.41 87.11 18 0 6 4841.9 27.48 242.03
 100.00 10 21 3 1440.15 -4.99 351.79 26.52 119.51 10 45 3 840.2 -1.03 345.25
 100.00 18 0 34 5147.87 29.61 228.89 34.31 85.69 19 26 22 4547.9 28.70 220.21
 110.00 11 7 38 1294.22 -8.18 338.77 24.56 123.31 11 29 12 694.2 -3.74 332.49
 110.00 19 30 29 4866.57 33.32 207.06 33.83 81.88 20 51 35 4266.6 31.84 198.14

DIFFERENTIAL CORRECTIONS

TDE .7914 TRA-1.3312 TC3 .2762 BAU .1102
 RDE -.1797 RRA -.1803 RC3 .2597 FAU .03205
 FDE -1.1911 FRA 1.2477 FC3 -1.2763 BSP 6353
 BDE .8115 BRA 1.3434 BC3 .3791 FSP -596

MID-COURSE EXECUTION ACCURACY

SGT 1985.5 SGR 401.5 SG3 214.0
 RRT .3068 RRF -.3390 RTF -.9103
 SGB 2025.6 R23 -.0515 R13 -.9111
 SGI 1989.4 SG2 381.4 THA 3.69

ORBIT DETERMINATION ACCURACY

ST 1099.7 SR 231.6 SS 1136.5
 CRT -.7025 CRS -.8109 CST .9858
 LSA 1585.8 MSA 209.5 SSA 16.1
 EL1 1112.0 EL2 163.0 ALF 171.40

LAUNCH DATE MAY 16 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 292.512

RL 151.25 LAL -1.00 LOL 234.46 VL 25.974 GAL 5.22 AZL 93.90 MCA 120.54 SMA 122.86 ECC .24753 INC 3.8967 V1 29.45H
 RP 108.74 LAP -3.36 LOP 355.06 VP 36.889 GAP -12.75 A7P 88.02 TAL 163.64 TAP 284.18 RCA 92.45 APO 153.27 V2 34.851
 RC 45.690 GL -22.91 GP 6.54 ZAL 63.77 ZAP 10.30 ETS 320.82 ZAE 154.87 ETE 44.95 ZAC 96.40 ETC 15.13 CLP -7.97

PLANETOCENTRIC CONIC

C3 20.388 VHL 4.515 DLA -18.26 RAL 164.36 RAD 6567.8 VEL 11.907 PTH 2.12 VHP 8.107 DPA 14.24 RAP 172.08 ECC 1.3355
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 17 2 1611.71 -1.84 6.14 25.54 118.26 9 43 54 1011.7 1.96 359.51
 90.00 16 13 50 5470.26 28.26 252.69 32.70 88.15 17 45 0 4870.3 27.71 244.07
 100.00 10 27 29 1384.39 -3.12 348.72 24.83 119.74 10 50 34 784.4 .87 342.19
 100.00 17 46 4 5172.82 29.72 230.74 32.62 86.66 19 12 17 4572.8 28.94 222.02
 110.00 11 11 57 1245.08 -6.33 336.16 22.83 123.66 11 32 42 645.1 -1.87 329.92
 110.00 19 18 6 4884.89 33.49 208.46 32.21 82.69 20 39 31 4284.9 32.11 199.50

DIFFERENTIAL CORRECTIONS

TDE .4093 TRA-1.2973 TC3 .3405 BAU .1208
 RDE -.1509 RRA -.1757 RC3 .2839 FAU .03432
 FDE -1.3008 FRA 1.2924 FC3-1.4575 BSP 6547
 BDE .8233 BRA 1.3091 BC3 .4433 FSP -662

MID-COURSE EXECUTION ACCURACY

SGT 2038.1 SGR 396.9 SG3 235.6
 RRT .3576 RRF -.3944 RTF -.9162
 SGB 2076.4 R23 -.0595 R13 -.9171
 SG1 2043.2 SG2 369.7 THA 4.12

ORBIT DETERMINATION ACCURACY

ST 1151.2 SR 204.2 SS 1212.0
 CRT -.6805 CRS -.7904 CST .9864
 LSA 1672.8 MSA 193.3 SSA 15.8
 EL1 1159.7 EL2 148.5 ALF 173.00

LAUNCH DATE MAY 16 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 299.226

RL 151.25 LAL -1.00 LOL 234.46 VL 26.097 GAL 4.96 AZL 93.99 MCA 123.71 SMA 123.59 ECC .23916 INC 3.9946 V1 29.45H
 RP 108.71 LAP -3.32 LOP 358.23 VP 36.985 GAP -12.01 A7P 87.78 TAL 163.78 TAP 287.49 RCA 94.03 APO 153.14 V2 34.860
 RC 46.700 GL -24.40 GP 7.18 ZAL 64.53 ZAP 12.14 ETS 324.03 ZAE 153.17 ETE 42.30 ZAC 94.96 ETC 14.92 CLP -9.81

PLANETOCENTRIC CONIC

C3 19.221 VHL 4.384 DLA -19.43 RAL 163.27 RAD 6567.8 VEL 11.858 PTH 2.10 VHP 7.696 DPA 14.29 RAP 173.60 ECC 1.3163
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 25 9 1551.02 .12 2.75 23.93 118.32 9 51 0 951.0 3.91 356.12
 90.00 15 57 1 5502.93 28.31 255.08 31.01 89.34 17 28 44 4902.9 27.92 246.44
 100.00 10 34 22 1327.66 -1.20 345.60 23.20 119.87 10 56 30 727.7 2.79 339.08
 100.00 17 30 29 5201.53 29.82 232.87 30.97 87.78 18 57 11 4601.5 29.19 224.12
 110.00 11 16 27 1195.81 -4.47 333.57 21.16 123.93 11 36 23 595.8 .02 327.35
 110.00 19 4 54 4906.15 33.66 210.10 30.63 83.64 20 26 40 4306.1 32.41 201.08

DIFFERENTIAL CORRECTIONS

TDE .8311 TRA-1.2596 TC3 .4116 BAU .1324
 RDE -.1208 RRA -.1727 RC3 .3101 FAU .03691
 FDE -1.4277 FRA 1.3386 FC3-1.6623 BSP 6782
 BDE .8398 BRA 1.2714 BC3 .5154 FSP -739

MID-COURSE EXECUTION ACCURACY

SGT 2087.3 SGR 395.2 SG3 259.9
 RRT .4175 RRF -.4591 RTF -.9223
 SGB 2124.4 R23 -.0686 R13 -.9234
 SG1 2094.0 SG2 357.9 THA 4.66

ORBIT DETERMINATION ACCURACY

ST 1205.8 SR 173.6 SS 1295.1
 CRT -.6391 CRS -.7520 CST .9872
 LSA 1768.1 MSA 186.7 SSA 15.4
 EL1 1211.0 EL2 133.0 ALF 174.68

LAUNCH DATE MAY 16 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 305.932

RL 151.25 LAL -1.00 LOL 234.46 VL 26.210 GAL 4.71 AZL 94.10 MCA 126.88 SMA 124.27 ECC .23141 INC 4.1001 V1 29.45H
 RP 108.68 LAP -3.28 LOP 1.42 VP 37.074 GAP -11.30 A7P 87.54 TAL 163.94 TAP 290.82 RCA 95.51 APO 153.03 V2 34.870
 RC 47.841 GL -25.94 GP 7.91 ZAL 65.35 ZAP 14.12 ETS 326.27 ZAE 151.57 ETE 40.34 ZAC 93.57 ETC 14.71 CLP -11.73

PLANETOCENTRIC CONIC

C3 18.225 VHL 4.269 DLA -20.62 RAL 162.11 RAD 6567.7 VEL 11.816 PTH 2.09 VHP 7.303 DPA 14.45 RAP 175.08 ECC 1.2999
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 34 8 1488.26 2.15 359.25 22.42 118.24 9 58 56 888.3 5.91 352.59
 90.00 15 38 46 5540.68 28.31 257.84 29.35 90.73 17 11 7 4940.7 28.11 249.18
 100.00 10 41 53 1269.61 .77 342.42 21.65 119.88 11 3 2 669.6 4.74 335.88
 100.00 17 13 42 5234.57 29.88 235.32 29.35 89.07 18 40 57 4634.6 29.43 226.55
 110.00 11 21 14 1146.28 -2.58 330.97 19.56 124.10 11 40 20 546.3 1.91 324.77
 110.00 18 50 51 4930.66 33.83 211.99 29.10 84.75 20 13 1 4330.7 32.73 202.92

DIFFERENTIAL CORRECTIONS

TDE .8523 TRA-1.2228 TC3 .4783 BAU .1428
 RDE -.0889 RRA -.1715 RC3 .3387 FAU .03970
 FDE -1.5724 FRA 1.3892 FC3-1.8860 BSP 6943
 BDE .8569 BRA 1.2348 BC3 .5861 FSP -821

MID-COURSE EXECUTION ACCURACY

SGT 2133.0 SGR 397.9 SG3 286.7
 RRT .4865 RRF -.5330 RTF -.9273
 SGB 2169.8 R23 -.0797 R13 -.9286
 SG1 2142.0 SG2 346.2 THA 5.33

ORBIT DETERMINATION ACCURACY

ST 1259.0 SR 140.5 SS 1384.3
 CRT -.5512 CRS -.6721 CST .9879
 LSA 1867.7 MSA 181.3 SSA 15.0
 EL1 1261.4 EL2 117.0 ALF 176.45

LAUNCH DATE MAY 16 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 312.630

RL 151.25 LAL -1.00 LOL 234.46 VL 26.313 GAL 4.47 AZL 94.21 MCA 130.06 SMA 124.91 ECC .22425 INC 4.2148 V1 29.45H
 RP 108.64 LAP -3.22 LOP 4.60 VP 37.157 GAP -10.61 A7P 87.28 TAL 164.13 TAP 294.19 RCA 96.90 APO 152.92 V2 34.881
 RC 49.103 GL -27.54 GP 8.76 ZAL 66.22 ZAP 16.25 ETS 327.80 ZAE 150.07 ETE 38.97 ZAC 92.23 ETC 14.49 CLP -13.74

PLANETOCENTRIC CONIC

C3 17.390 VHL 4.170 DLA -21.85 RAL 160.88 RAD 6567.7 VEL 11.780 PTH 2.08 VHP 6.928 DPA 14.76 RAP 176.53 ECC 1.2862
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 44 18 1422.53 4.26 355.57 21.02 118.02 10 8 1 822.5 7.97 348.86
 90.00 15 18 47 5584.58 28.23 261.05 27.73 92.34 16 51 51 4984.6 28.25 252.39
 100.00 10 50 16 1209.65 2.80 339.12 20.21 119.77 11 10 25 609.7 6.75 332.55
 100.00 16 55 30 5272.69 29.89 238.16 27.78 90.56 18 23 23 4672.7 29.65 229.36
 110.00 11 26 25 1096.29 -.67 328.36 18.04 124.18 11 44 42 496.3 3.82 322.15
 110.00 18 35 50 4958.82 33.98 214.17 27.64 86.04 19 58 28 4358.8 33.06 205.06

DIFFERENTIAL CORRECTIONS

TDE .8753 TRA-1.1845 TC3 .5442 BAU .1530
 RDE -.0542 RRA -.1724 RC3 .3702 FAU .04281
 FDE -1.7395 FRA 1.4427 FC3-2.1315 BSP 7097
 BDE .8770 BRA 1.1970 BC3 .6581 FSP -914

MID-COURSE EXECUTION ACCURACY

SGT 2174.2 SGR 407.4 SG3 316.7
 RRT .5624 RRF -.6135 RTF -.9319
 SGB 2212.0 R23 -.0927 R13 -.9336
 SG1 2186.5 SG2 335.0 THA 6.16

ORBIT DETERMINATION ACCURACY

ST 1312.8 SR 107.2 SS 1481.5
 CRT -.3489 CRS -.4836 CST .9887
 LSA 1974.4 MSA 176.4 SSA 14.4
 EL1 1313.3 EL2 100.4 ALF 178.36

LAUNCH DATE MAY 16 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 319.316

RL 151.25 LAL -1.00 LOL 234.46 VL 26.40H GAL 4.25 AZL 94.34 MCA 133.24 SMA 125.50 ECC .21766 INC 4.340H V1 29.45H
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.234 GAP -9.94 AZP 87.02 TAL 164.34 TAP 297.57 RCA 98.18 APO 152.81 V2 34.891
 RC 50.476 GL -29.19 GP 9.76 ZAL 67.13 ZAP 18.54 ETS 328.81 ZAE 148.68 ETE 38.16 ZAC 90.94 ETC 14.27 CLP -15.84

PLANETOCENTRIC CONIC

C3 16.707 VHL 4.087 DLA -23.11 RAL 159.59 RAD 6567.7 VEL 11.751 PTH 2.07 VHP 6.571 DPA 15.22 RAP 177.96 ECC 1.2750
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 56 13 1352.33 6.49 351.62 19.76 117.62 10 18 45 752.3 10.14 344.84
 90.00 14 56 32 5636.32 28.03 264.82 26.14 94.22 16 30 29 5036.3 28.32 256.17
 100.00 10 59 51 1146.90 4.92 335.66 18.90 119.52 11 18 58 546.9 8.81 329.04
 100.00 16 35 35 5316.98 29.81 241.45 26.26 92.29 18 4 12 4717.0 29.81 232.64
 110.00 11 32 11 1045.51 1.27 325.72 16.63 124.16 11 49 37 445.5 5.75 319.49
 110.00 18 19 44 4991.12 34.10 216.69 26.25 87.52 19 42 55 4391.1 33.38 207.52

DIFFERENTIAL CORRECTIONS

TOE .8993 TRA-1.1450 TC3 .6045 BAU .1625
 RDE -.0155 RRA -.1757 RC3 .4051 FAU .04622
 FDE-1.9321 FRA 1.4990 FC3-2.3950 BSP 7224
 BOE .8994 BRA 1.1584 BC3 .7277 FSP -1017

MID-COURSE EXECUTION ACCURACY

SGT 2208.7 SGR 426.4 SG3 349.8
 RRT .6407 RRF -.6958 RTF -.9359
 SGB 2249.5 R23 -.1080 R13 -.9381
 SG1 2225.9 SG2 324.9 TMA 7.21

ORBIT DETERMINATION ACCURACY

ST 1365.0 SR 83.8 SS 1586.3
 CRT .1293 CRS -.0139 CST .9893
 LSA 2087.3 MSA 172.1 SSA 13.8
 EL1 1365.1 EL2 83.1 ALF .46

LAUNCH DATE MAY 16 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 325.991

RL 151.25 LAL -1.00 LOL 234.46 VL 26.495 GAL 4.05 AZL 94.48 MCA 136.42 SMA 126.05 ECC .21161 INC 4.480H V1 29.45H
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.306 GAP -9.29 AZP 86.75 TAL 164.56 TAP 300.98 RCA 99.37 APO 152.72 V2 34.903
 RC 51.950 GL -30.89 GP 10.92 ZAL 68.09 ZAP 21.00 ETS 329.42 ZAE 147.41 ETE 37.89 ZAC 89.72 ETC 14.04 CLP -18.05

PLANETOCENTRIC CONIC

C3 16.172 VHL 4.021 DLA -24.41 RAL 158.23 RAD 6567.6 VEL 11.728 PTH 2.07 VHP 6.232 DPA 15.89 RAP 179.37 ECC 1.2662
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 10 46 1274.99 8.91 347.22 18.68 116.99 10 32 1 675.0 12.46 340.34
 90.00 14 31 11 5698.77 27.63 269.35 24.58 96.45 16 6 10 5098.8 28.24 260.74
 100.00 11 11 12 1079.86 7.15 331.94 17.74 119.10 11 29 12 479.9 10.98 325.25
 100.00 16 13 25 5369.14 29.61 245.31 24.79 94.31 17 42 55 4769.1 29.89 236.52
 110.00 11 38 45 993.46 3.26 323.00 15.34 124.05 11 55 19 393.5 7.71 316.73
 110.00 18 2 42 5028.30 34.18 219.59 24.96 89.24 19 26 10 4428.3 33.69 210.38

DIFFERENTIAL CORRECTIONS

TOE .9254 TRA-1.1042 TC3 .6583 BAU .1717
 RDE .0287 RRA -.1817 RC3 .4444 FAU .04994
 FDE-1.1552 FRA 1.5579 FC3-2.6733 BSP 7348
 BOE .9258 BRA 1.1191 BC3 .7943 FSP -1132

MID-COURSE EXECUTION ACCURACY

SGT 2236.8 SGR 458.5 SG3 386.3
 RRT .7159 RRF -.7740 RTF -.9396
 SGB 2283.3 R23 -.1254 R13 -.9425
 SG1 2261.2 SG2 316.7 TMA 8.52

ORBIT DETERMINATION ACCURACY

ST 1416.7 SR 95.1 SS 1700.0
 CRT .7285 CRS .6273 CST .9901
 LSA 2208.5 MSA 168.3 SSA 12.9
 EL1 1418.4 EL2 65.1 ALF 2.81

LAUNCH DATE MAY 16 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 332.652

RL 151.25 LAL -1.00 LOL 234.46 VL 26.574 GAL 3.86 AZL 94.64 MCA 139.60 SMA 126.55 ECC .20608 INC 4.6383 V1 29.45H
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.373 GAP -8.66 AZP 86.46 TAL 164.79 TAP 304.39 RCA 100.47 APO 152.63 V2 34.914
 RC 53.515 GL -32.66 GP 12.31 ZAL 69.07 ZAP 23.67 ETS 329.69 ZAE 146.22 ETE 38.17 ZAC 88.57 ETC 13.80 CLP -20.38

PLANETOCENTRIC CONIC

C3 15.785 VHL 3.973 DLA -25.75 RAL 156.82 RAD 6567.6 VEL 11.712 PTH 2.06 VHP 5.914 DPA 16.80 RAP 180.77 ECC 1.2598
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 29 46 1184.99 11.64 342.03 17.88 116.00 10 49 31 585.0 15.04 335.00
 90.00 14 10 55 5777.78 26.90 275.02 22.98 99.20 15 37 13 5177.8 27.90 266.49
 100.00 11 25 14 1005.91 9.58 327.79 16.80 118.45 11 42 0 405.9 13.31 320.99
 100.00 15 48 9 5432.09 29.20 249.94 23.35 96.72 17 18 41 4832.1 29.82 241.19
 110.00 11 46 26 939.38 5.32 320.16 14.20 123.82 12 2 5 339.4 9.72 313.84
 110.00 17 43 26 5071.38 34.16 222.95 23.75 91.23 19 7 57 4471.4 33.96 213.72

DIFFERENTIAL CORRECTIONS

TOE .9547 TRA-1.0592 TC3 .7088 BAU .1818
 RDE .0806 RRA -.1906 RC3 .4894 FAU .05411
 FDE-2.4154 FRA 1.6145 FC3-2.9676 BSP 7503
 BOE .9581 BRA 1.0762 BC3 .8614 FSP -1263

MID-COURSE EXECUTION ACCURACY

SGT 2255.8 SGR 507.8 SG3 426.6
 RRT .7827 RRF -.8419 RTF -.9434
 SGB 2312.3 R23 -.1433 R13 -.9472
 SG1 2291.3 SG2 311.2 TMA 10.18

ORBIT DETERMINATION ACCURACY

ST 1467.9 SR 148.5 SS 1823.7
 CRT .9494 CRS .9000 CST .9909
 LSA 2339.9 MSA 164.4 SSA 12.1
 EL1 1474.6 EL2 46.4 ALF 5.49

LAUNCH DATE MAY 16 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 339.298

RL 151.25 LAL -1.00 LOL 234.46 VL 26.645 GAL 3.69 AZL 94.82 MCA 142.79 SMA 127.01 ECC .20104 INC 4.8179 V1 29.45H
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.435 GAP -8.05 AZP 86.16 TAL 165.03 TAP 307.81 RCA 101.48 APO 152.54 V2 34.926
 RC 55.163 GL -34.49 GP 13.96 ZAL 70.07 ZAP 26.58 ETS 329.70 ZAE 145.08 ETE 39.02 ZAC 87.49 ETC 13.54 CLP -22.84

PLANETOCENTRIC CONIC

C3 15.551 VHL 3.943 DLA -27.15 RAL 155.35 RAD 6567.6 VEL 11.702 PTH 2.06 VHP 5.617 DPA 18.00 RAP 182.16 ECC 1.2559
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 58 20 1066.35 15.08 335.01 17.52 114.26 11 16 6 466.4 18.23 327.75
 90.00 13 20 40 601.61 25.44 304.97 21.22 102.88 13 30 41 1.6 26.96 296.63
 100.00 11 43 46 919.55 12.34 322.86 16.15 117.45 11 59 5 319.6 15.92 315.90
 100.00 15 17 55 5511.68 28.42 255.73 21.89 99.67 16 49 46 4911.7 29.47 247.08
 110.00 11 55 42 882.06 7.48 317.13 13.26 123.45 12 10 24 282.1 11.83 310.73
 110.00 17 22 28 5121.94 34.02 226.90 22.65 93.56 18 47 49 4521.9 34.14 217.65

DIFFERENTIAL CORRECTIONS

TOE .9829 TRA-1.0157 TC3 .7393 BAU .1904
 RDE .1431 RRA -.2033 RC3 .5403 FAU .05841
 FDE-2.7129 FRA 1.6733 FC3-3.2516 BSP 7580
 BOE .9932 BRA 1.0358 BC3 .9157 FSP -1401

MID-COURSE EXECUTION ACCURACY

SGT 2264.9 SGR 578.8 SG3 469.9
 RRT .8361 RRF -.8957 RTF -.9462
 SGB 2337.7 R23 -.1629 R13 -.9514
 SG1 2317.0 SG2 310.4 TMA 12.28

ORBIT DETERMINATION ACCURACY

ST 1512.3 SR 230.9 SS 1954.2
 CRT .9928 CRS .9703 CST .9915
 LSA 2476.5 MSA 161.8 SSA 11.1
 EL1 1529.6 EL2 27.3 ALF 8.62

LAUNCH DATE MAY 16 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 345.930

RL 151.25 LAL -.00 LOL 234.46 VL 26.710 GAL 3.53 AZL 95.03 MCA 145.97 SMA 127.43 ECC .19647 INC 5.0260 V1 29.45H
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.493 GAP -7.45 A7P 85.83 TAL 165.27 TAP 311.24 RCA 102.39 APO 152.47 V2 34.93H
 RC 56.885 GL -36.41 GP 15.95 ZAL 71.09 ZAP 29.76 ETS 329.46 ZAE 143.93 ETE 40.48 ZAC 86.47 ETC 13.25 CLP -25.46

PLANETOCENTRIC CONIC

C3 15.481 VHL 3.935 DLA -28.63 RAL 153.83 RAD 6567.6 VEL 11.699 PTH 2.06 VHP 5.345 DPA 19.56 RAP 183.59 ECC 1.2548
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.60 11 26 34 952.27 21.24 329.29 18.41 109.66 11 42 26 352.3 23.73 321.48
 94.40 12 40 15 713.67 21.25 311.82 18.41 109.65 12 52 9 113.7 23.74 304.01
 100.00 12 11 52 805.20 15.82 316.16 16.02 115.70 12 25 17 205.2 19.15 308.95
 100.00 14 37 38 5624.01 26.88 263.72 20.25 103.60 16 11 22 5024.0 28.48 255.29
 110.00 12 7 21 819.42 9.81 313.78 12.56 122.91 12 21 0 219.4 14.08 307.28
 110.00 16 58 39 5182.55 33.66 231.59 21.63 96.31 18 25 1 4582.6 34.17 222.39

DIFFERENTIAL CORRECTIONS

TOE 1.0118 TRA -.9707 TC3 .7531 BAU .1991
 RDE .2204 RRA -.2204 RC3 .5982 FAU .06286
 FDE-3.0540 FRA 1.7276 FC3-3.5151 BSP 7646
 BDE 1.0356 BRA .9954 BC3 .9618 FSP -1548

MID-COURSE EXECUTION ACCURACY

SGT 2261.7 SGR 676.9 SG3 515.8
 RRT .8756 RRF -.9346 RTF -.9485
 SGB 2360.9 R23 -.1812 R13 -.9556
 SG1 2339.6 SG2 316.1 TMA 14.96

ORBIT DETERMINATION ACCURACY

ST 1550.7 SR 339.5 SS 2092.2
 CRT .9995 CRS .9902 CST .9921
 LSA 2621.4 MSA 159.9 SSA 10.2
 EL1 1587.4 EL2 10.8 ALF 12.34

LAUNCH DATE MAY 16 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 352.545

RL 151.25 LAL -.00 LOL 234.46 VL 26.768 GAL 3.39 AZL 95.27 MCA 149.16 SMA 127.81 ECC .19235 INC 5.2717 V1 29.45H
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.546 GAP -6.87 A7P 85.47 TAL 165.50 TAP 314.66 RCA 103.23 APO 152.40 V2 34.951
 RC 58.673 GL -38.43 GP 18.37 ZAL 72.13 ZAP 33.27 ETS 329.02 ZAE 142.68 ETE 42.60 ZAC 85.52 ETC 12.94 CLP -28.24

PLANETOCENTRIC CONIC

C3 15.600 VHL 3.950 DLA -30.20 RAL 152.24 RAD 6567.6 VEL 11.704 PTH 2.06 VHP 5.102 DPA 21.57 RAP 185.08 ECC 1.2567
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.05 10 28 30 1120.07 22.31 342.12 17.37 110.89 10 47 10 520.1 24.95 334.29
 100.95 13 25 36 5837.36 22.32 278.01 17.38 110.88 15 2 54 5237.4 24.96 270.18
 79.05 10 28 30 1120.07 22.31 342.12 17.37 110.89 10 47 10 520.1 24.95 334.29
 100.95 13 25 36 5837.36 22.32 278.01 17.38 110.88 15 2 54 5237.4 24.96 270.18
 110.00 12 22 48 747.50 12.44 309.87 12.23 122.10 12 35 16 147.5 16.60 303.23
 110.00 16 30 28 5257.93 32.95 237.36 20.65 99.66 17 58 6 4657.9 33.93 228.26

DIFFERENTIAL CORRECTIONS

TOE 1.0438 TRA -.9222 TC3 .7513 BAU .2091
 RDE .3188 RRA -.2420 RC3 .6640 FAU .06734
 FDE-3.4439 FRA 1.7689 FC3-3.7370 BSP 7756
 BDE 1.0914 BRA .9534 BC3 1.0026 FSP -1707

MID-COURSE EXECUTION ACCURACY

SGT 2245.1 SGR 808.6 SG3 563.2
 RRT .9034 RRF -.9608 RTF -.9506
 SGB 2386.3 R23 -.1936 R13 -.9606
 SG1 2363.4 SG2 329.4 TMA 18.39

ORBIT DETERMINATION ACCURACY

ST 1583.8 SR 478.5 SS 2237.5
 CRT .9990 CRS .9966 CST .9927
 LSA 2778.3 MSA 157.8 SSA 9.2
 EL1 1654.4 EL2 20.8 ALF 16.80

LAUNCH DATE MAY 16 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 359.143

RL 151.25 LAL -.00 LOL 234.46 VL 26.821 GAL 3.26 AZL 95.57 MCA 152.35 SMA 128.16 ECC .18865 INC 5.5683 V1 29.45H
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.595 GAP -6.31 A7P 85.06 TAL 165.72 TAP 318.07 RCA 103.98 APO 152.34 V2 34.964
 RC 60.521 GL -40.59 GP 21.33 ZAL 73.19 ZAP 37.17 ETS 328.41 ZAE 141.17 ETE 45.42 ZAC 84.62 ETC 12.59 CLP -31.20

PLANETOCENTRIC CONIC

C3 15.949 VHL 3.994 DLA -31.88 RAL 150.56 RAD 6567.6 VEL 11.719 PTH 2.06 VHP 4.895 DPA 24.13 RAP 186.71 ECC 1.2625
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.71 9 50 46 1223.05 23.36 350.32 16.55 112.33 10 11 9 623.1 26.18 342.49
 105.29 13 49 57 5744.40 23.38 271.47 16.55 112.32 15 25 41 5144.4 26.19 263.64
 74.71 9 50 46 1223.05 23.36 350.32 16.55 112.33 10 11 9 623.1 26.18 342.49
 105.29 13 49 57 5744.40 23.38 271.47 16.55 112.32 15 25 41 5144.4 26.19 263.64
 110.00 12 45 27 656.74 15.67 304.82 12.47 120.78 12 56 23 56.7 19.63 297.94
 110.00 15 54 27 5358.71 31.55 244.88 19.56 103.90 17 23 45 4758.7 33.13 236.02

DIFFERENTIAL CORRECTIONS

TOE 1.0757 TRA -.8740 TC3 .7231 BAU .2200
 RDE .4466 RRA -.2693 RC3 .7362 FAU .07135
 FDE-3.8774 FRA 1.7926 FC3-3.8727 BSP 7844
 BDE 1.1647 BRA .9145 BC3 1.0319 FSP -1859

MID-COURSE EXECUTION ACCURACY

SGT 2212.6 SGR 981.5 SG3 609.0
 RRT .9211 RRF -.9773 RTF -.9517
 SGB 2420.5 R23 -.1993 R13 -.9659
 SG1 2394.6 SG2 353.1 TMA 22.75

ORBIT DETERMINATION ACCURACY

ST 1605.7 SR 655.4 SS 2384.3
 CRT .9974 CRS .9988 CST .9931
 LSA 2944.2 MSA 156.8 SSA 8.1
 EL1 1733.8 EL2 43.4 ALF 22.17

LAUNCH DATE MAY 16 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 365.724

RL 151.25 LAL -.00 LOL 234.46 VL 26.867 GAL 3.15 AZL 95.94 MCA 155.54 SMA 128.47 ECC .18536 INC 5.9356 V1 29.45H
 RP 108.35 LAP -2.45 LOP 30.11 VP 37.640 GAP -5.76 A7P 84.59 TAL 165.93 TAP 321.47 RCA 104.66 APO 152.28 V2 34.977
 RC 62.420 GL -42.91 GP 24.98 ZAL 74.27 ZAP 41.55 ETS 327.65 ZAE 139.21 ETE 48.94 ZAC 83.75 ETC 12.19 CLP -34.34

PLANETOCENTRIC CONIC

C3 16.601 VHL 4.074 DLA -33.72 RAL 148.76 RAD 6567.7 VEL 11.747 PTH 2.07 VHP 4.735 DPA 27.37 RAP 188.58 ECC 1.2732
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.89 9 18 54 1308.66 24.38 357.37 15.97 114.04 9 40 43 708.7 27.41 349.55
 109.11 14 7 29 5677.07 24.39 266.78 15.97 114.03 15 42 6 5077.1 27.42 258.96
 70.89 9 18 54 1308.66 24.38 357.37 15.97 114.04 9 40 43 708.7 27.41 349.55
 109.11 14 7 29 5677.07 24.39 266.78 15.97 114.03 15 42 6 5077.1 27.42 258.96
 110.00 13 30 1 5791.62 20.78 273.79 14.07 117.77 15 6 33 5191.6 24.33 266.44
 110.00 14 55 32 5530.16 28.10 257.03 17.66 110.32 16 27 42 4930.2 30.60 248.73

DIFFERENTIAL CORRECTIONS

TOE 1.1117 TRA -.8232 TC3 .6739 BAU .2343
 RDE .6175 RRA -.3018 RC3 .8125 FAU .07442
 FDE-4.3475 FRA 1.7809 FC3-3.8810 BSP 8036
 BDE 1.2716 BRA .8768 BC3 1.0556 FSP -2002

MID-COURSE EXECUTION ACCURACY

SGT 2163.8 SGR 1205.3 SG3 649.1
 RRT .9322 RRF -.9872 RTF -.9525
 SGB 2476.9 R23 -.1930 R13 -.9722
 SG1 2446.6 SG2 385.9 TMA 28.20

ORBIT DETERMINATION ACCURACY

ST 1618.1 SR 881.9 SS 2528.4
 CRT .9962 CRS .9996 CST .9935
 LSA 3124.9 MSA 155.9 SSA 7.1
 EL1 1841.6 EL2 67.6 ALF 28.54

LAUNCH DATE MAY 16 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 372.285

RL 151.25 LAL -1.00 LOL 234.46 VL 26.909 GAL 3.09 AZL 96.41 HCA 158.73 SMA 128.75 ECC .18245 INC 6.4060 VI 29.458
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.682 GAP -5.22 AZP 84.03 TAL 166.11 TAP 324.84 RCA 105.26 APO 152.24 V2 34.990
 RC 64.367 GL -45.47 GP 29.54 ZAL 75.40 ZAP 46.48 ETS 326.79 ZAE 136.50 ETE 53.06 ZAC 82.88 ETC 11.70 CLP -37.67

PLANETOCENTRIC CONIC

C3 17.688 VHL 4.206 OLA -35.75 RAL 146.80 RAD 6567.7 VEL 11.793 PTH 2.09 VMP 4.640 DPA 31.46 RAP 190.90 ECC 1.2911
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 67.20 8 49 33 1388.41 25.32 4.12 15.70 116.13 9 12 42 788.4 28.61 356.36
 112.80 14 21 9 5626.59 25.33 263.29 15.70 116.12 15 54 56 5026.6 28.62 255.53
 67.20 8 49 33 1388.41 25.32 4.12 15.70 116.13 9 12 42 788.4 28.61 356.36
 112.80 14 21 9 5626.59 25.33 263.29 15.70 116.12 15 54 56 5026.6 28.62 255.53
 67.20 8 49 33 1388.41 25.32 4.12 15.70 116.13 9 12 42 788.4 28.61 356.36
 112.80 14 21 9 5626.59 25.33 263.29 15.70 116.12 15 54 56 5026.6 28.62 255.53

DIFFERENTIAL CORRECTIONS

TDE 1.1532 TRA -.7718 TC3 .5984 BAU .2524
 RDE .8511 RRA -.3392 RC3 .8838 FAU .07545
 FDE -4.8246 FRA 1.7164 FC3 -3.6930 BSP 8328
 BDE 1.4332 BRA .8431 BC3 1.0673 FSP -2101

MID-COURSE EXECUTION ACCURACY

SGT 2097.6 SGR 1490.4 SG3 675.6
 RRT .9383 RRF -.9928 RTF -.9524
 SGB 2573.2 R23 -.1744 R13 -.9792
 SG1 2537.7 SG2 425.9 TMA 34.81

ORBIT DETERMINATION ACCURACY

ST 1618.4 SR 1172.2 SS 2657.7
 CRT .9953 CRS .9999 CST .9937
 LSA 3321.5 MSA 155.4 SSA 6.1
 EL1 1996.2 EL2 91.8 ALF 35.88

LAUNCH DATE MAY 16 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 378.827

RL 151.25 LAL -1.00 LOL 234.46 VL 26.945 GAL 2.96 AZL 97.03 HCA 161.92 SMA 128.99 ECC .17990 INC 7.0342 VI 29.458
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.720 GAP -4.70 AZP 83.31 TAL 166.27 TAP 328.20 RCA 105.79 APO 152.20 V2 35.003
 RC 66.356 GL -48.33 GP 35.24 ZAL 76.60 ZAP 52.06 ETS 325.90 ZAE 132.69 ETE 57.59 ZAC 81.93 ETC 11.08 CLP -41.16

PLANETOCENTRIC CONIC

C3 19.460 VHL 4.411 OLA -38.04 RAL 144.57 RAD 6567.8 VEL 11.868 PTH 2.11 VMP 4.643 DPA 36.55 RAP 194.01 ECC 1.3203
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.45 8 20 59 1468.87 26.09 11.07 15.82 118.74 8 45 28 868.9 29.71 3.42
 116.55 14 32 0 5590.93 26.10 260.85 15.83 118.72 16 5 11 4990.9 29.72 253.19
 63.45 8 20 59 1468.87 26.09 11.07 15.82 118.74 8 45 28 868.9 29.71 3.42
 116.55 14 32 0 5590.93 26.10 260.85 15.83 118.72 16 5 11 4990.9 29.72 253.19
 63.45 8 20 59 1468.87 26.09 11.07 15.82 118.74 8 45 28 868.9 29.71 3.42
 116.55 14 32 0 5590.93 26.10 260.85 15.83 118.72 16 5 11 4990.9 29.72 253.19

DIFFERENTIAL CORRECTIONS

TDE 1.2124 TRA -.7157 TC3 .5112 BAU .2784
 RDE 1.1812 RRA -.3752 RC3 .9402 FAU .07368
 FDE -5.2622 FRA 1.5605 FC3 -3.2780 BSP 8967
 BDE 1.6927 BRA .8081 BC3 1.0701 FSP -2149

MID-COURSE EXECUTION ACCURACY

SGT 2019.0 SGR 1850.6 SG3 678.7
 RRT .9422 RRF -.9959 RTF -.9524
 SGB 2738.8 R23 -.1432 R13 -.9865
 SG1 2699.3 SG2 463.7 TMA 42.36

ORBIT DETERMINATION ACCURACY

ST 1614.1 SR 1545.5 SS 2759.2
 CRT .9949 CRS 1.0000 CST .9941
 LSA 3547.3 MSA 153.9 SSA 5.2
 EL1 2231.9 EL2 112.7 ALF 43.75

LAUNCH DATE MAY 16 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 385.347

RL 151.25 LAL -1.00 LOL 234.46 VL 26.977 GAL 2.89 AZL 97.92 HCA 165.12 SMA 129.21 ECC .17769 INC 7.9219 VI 29.458
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.755 GAP -4.19 AZP 82.34 TAL 166.40 TAP 331.52 RCA 106.25 APO 152.17 V2 35.016
 RC 68.382 GL -51.61 GP 42.39 ZAL 77.93 ZAP 58.36 ETS 325.05 ZAE 127.34 ETE 62.13 ZAC 80.81 ETC 10.19 CLP -44.74

PLANETOCENTRIC CONIC

C3 22.443 VHL 4.737 OLA -40.66 RAL 141.95 RAD 6567.9 VEL 11.993 PTH 2.14 VMP 4.807 DPA 42.79 RAP 198.59 ECC 1.3694
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.50 7 51 54 1556.09 26.49 18.65 16.47 122.06 8 17 50 956.1 30.52 11.20
 120.50 14 40 9 5572.12 26.50 259.54 16.48 122.05 16 13 1 4972.1 30.53 252.09
 59.50 7 51 54 1556.09 26.49 18.65 16.47 122.06 8 17 50 956.1 30.52 11.20
 120.50 14 40 9 5572.12 26.50 259.54 16.48 122.05 16 13 1 4972.1 30.53 252.09
 59.50 7 51 54 1556.09 26.49 18.65 16.47 122.06 8 17 50 956.1 30.52 11.20
 120.50 14 40 9 5572.12 26.50 259.54 16.48 122.05 16 13 1 4972.1 30.53 252.09

DIFFERENTIAL CORRECTIONS

TDE 1.3005 TRA -.6624 TC3 .4032 BAU .3089
 RDE 1.6567 RRA -.4026 RC3 .9472 FAU .06670
 FDE -5.5412 FRA 1.3016 FC3 -2.5730 BSP 9911
 BDE 2.1062 BRA .7752 BC3 1.0295 FSP -2066

MID-COURSE EXECUTION ACCURACY

SGT 1932.7 SGR 2287.4 SG3 641.7
 RRT .9438 RRF -.9976 RTF -.9519
 SGB 2994.6 R23 -.1073 R13 -.9923
 SG1 2953.4 SG2 494.8 TMA 50.08

ORBIT DETERMINATION ACCURACY

ST 1604.5 SR 2013.0 SS 2795.8
 CRT .9947 CRS 1.0000 CST .9944
 LSA 3797.3 MSA 152.9 SSA 4.3
 EL1 2571.0 EL2 129.4 ALF 51.48

LAUNCH DATE MAY 16 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 391.848

RL 151.25 LAL -1.00 LOL 234.46 VL 27.004 GAL 2.84 AZL 99.28 HCA 168.31 SMA 129.39 ECC .17582 INC 9.2821 VI 29.458
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.787 GAP -3.70 AZP 80.91 TAL 166.49 TAP 334.79 RCA 106.64 APO 152.14 V2 35.029
 RC 70.443 GL -55.43 GP 51.30 ZAL 79.46 ZAP 65.35 ETS 324.20 ZAE 119.99 ETE 66.05 ZAC 79.36 ETC 8.68 CLP -48.15

PLANETOCENTRIC CONIC

C3 27.911 VHL 5.283 OLA -43.67 RAL 138.70 RAD 6568.1 VEL 12.218 PTH 2.20 VMP 5.270 DPA 50.07 RAP 206.05 ECC 1.4593
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 55.25 7 21 2 1658.61 26.08 27.32 17.84 126.36 7 48 41 1058.6 30.63 20.25
 124.75 14 45 3 5576.96 26.09 259.65 17.85 126.35 16 18 0 4977.0 30.64 252.58
 55.25 7 21 2 1658.61 26.08 27.32 17.84 126.36 7 48 41 1058.6 30.63 20.25
 124.75 14 45 3 5576.96 26.09 259.65 17.85 126.35 16 18 0 4977.0 30.64 252.58
 55.25 7 21 2 1658.61 26.08 27.32 17.84 126.36 7 48 41 1058.6 30.63 20.25
 124.75 14 45 3 5576.96 26.09 259.65 17.85 126.35 16 18 0 4977.0 30.64 252.58

DIFFERENTIAL CORRECTIONS

TDE 1.4186 TRA -.6593 TC3 .2218 BAU .3126
 RDE 2.3324 RRA -.4365 RC3 .8079 FAU .04902
 FDE -5.4176 FRA 1.0209 FC3 -1.5206 BSP 9961
 BDE 2.7299 BRA .7907 BC3 .8378 FSP -1624

MID-COURSE EXECUTION ACCURACY

SGT 1843.7 SGR 2748.7 SG3 542.6
 RRT .9351 RRF -.9984 RTF -.9438
 SGB 3309.8 R23 -.0805 R13 -.9955
 SG1 3263.7 SG2 550.4 TMA 56.84

ORBIT DETERMINATION ACCURACY

ST 1566.9 SR 2537.2 SS 2683.7
 CRT .9936 CRS 1.0000 CST .9937
 LSA 4008.6 MSA 162.4 SSA 3.5
 EL1 2978.3 EL2 150.6 ALF 58.38

LAUNCH DATE MAY 16 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 398.311

RL 151.25 LAL -.00 LOL 234.46 VL 27.027 GAL 2.80 AZL 101.64 MCA 171.49 SMA 129.55 ECC .17426 INC11.6441 V1 29.45H
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.816 GAP -3.21 AZP 78.48 TAL 166.54 TAP 338.02 RCA 106.98 APO 152.13 V2 35.042
 RC 72.534 GL -59.88 GP 62.25 ZAL 81.34 ZAP 72.81 ETS 322.67 ZAE 110.23 ETE 68.02 ZAC 77.40 ETC 5.35 CLP -50.58

PLANETOCENTRIC CONIC

C3 39.681 VHL 6.299 DLA -47.02 RAL 134.42 RAD 6568.5 VEL 12.690 PTH 2.31 VHP 6.371 DPA 57.68 RAP 219.52 ECC 1.6531
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 50.75 6 47 7 1790.78 23.83 37.54 20.10 131.82 7 16 58 1190.8 29.01 31.14
 129.25 14 44 49 5621.94 23.84 261.79 20.12 131.81 16 18 31 5021.9 29.02 255.40
 50.75 6 47 7 1790.78 23.83 37.54 20.10 131.82 7 16 58 1190.8 29.01 31.14
 129.25 14 44 49 5621.94 23.84 261.79 20.12 131.81 16 18 31 5021.9 29.02 255.40
 50.75 6 47 7 1790.78 23.83 37.54 20.10 131.82 7 16 58 1190.8 29.01 31.14
 129.25 14 44 49 5621.94 23.84 261.79 20.12 131.81 16 18 31 5021.9 29.02 255.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.8436 TRA -.6307 TC3 .1347 BAU .3178 SGT 1883.8 SGR 3238.2 SG3 398.1 ST 1695.7 SR 3122.0 SS 2464.1
 ROE 3.4289 RRA -.3500 RC3 .5838 FAU .03016 RRT .9422 RRF -.9987 RTF -.9522 CRT .9945 CRS 1.0000 CST .9951
 FDE-4.9156 FRA .5585 FC3 -.6580 BSP 11751 SGB 3746.2 R23 -.0504 R13 -.9980 LSA 4320.7 MSA 160.2 SSA 2.6
 BDE 3.8930 BRA .7213 BC3 .5991 FSP -1226 SG1 3705.4 SG2 551.5 THA 60.56 EL1 3549.4 EL2 155.7 ALF 61.56

LAUNCH DATE MAY 16 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 404.722

RL 151.25 LAL -.00 LOL 234.46 VL 27.047 GAL 2.78 AZL 106.78 MCA 174.64 SMA 129.69 ECC .17302 INC16.7764 V1 29.45H
 RP 108.10 LAP -1.55 LOP 49.32 VP 37.842 GAP -2.75 AZP 73.29 TAL 166.51 TAP 341.15 RCA 107.25 APO 152.12 V2 35.056
 RC 74.652 GL -64.55 GP 75.58 ZAL 83.75 ZAP 80.14 ETS 312.59 ZAE 97.45 ETE 59.70 ZAC 74.41 ETC 351.63 CLP -46.58

PLANETOCENTRIC CONIC

C3 74.578 VHL 8.636 DLA -50.13 RAL 128.79 RAD 6569.5 VEL 13.997 PTH 2.55 VHP 9.233 DPA 62.86 RAP 245.02 ECC 2.2274
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 46.73 6 11 9 1978.74 17.43 49.25 23.58 137.79 6 44 7 1378.7 23.26 43.83
 133.27 14 35 57 5743.85 17.44 266.99 23.60 137.79 16 11 41 5143.8 23.28 261.57
 46.73 6 11 9 1978.74 17.43 49.25 23.58 137.79 6 44 7 1378.7 23.26 43.83
 133.27 14 35 57 5743.85 17.44 266.99 23.60 137.79 16 11 41 5143.8 23.28 261.57
 46.73 6 11 9 1978.74 17.43 49.25 23.58 137.79 6 44 7 1378.7 23.26 43.83
 133.27 14 35 57 5743.85 17.44 266.99 23.60 137.79 16 11 41 5143.8 23.28 261.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 3.6980 TRA -.6789 TC3 .0477 BAU .1889 SGT 2553.5 SGR 3280.0 SG3 225.6 ST 2462.5 SR 3264.7 SS 2074.7
 ROE 4.9206 RRA -.0158 RC3 .1834 FAU .00722 RRT .9608 RRF -.9968 RTF -.9787 CRT .9965 CRS .9998 CST .9980
 FDE-3.9188 FRA .1848 FC3 -.0838 BSP 12874 SGB 4156.8 R23 -.0294 R13 -.9993 LSA 4582.5 MSA 166.5 SSA 1.5
 BDE 6.1553 BRA .6791 BC3 .1895 FSP -679 SG1 4118.4 SG2 563.6 THA 52.38 EL1 4085.9 EL2 165.5 ALF 53.00

LAUNCH DATE MAY 16 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 410.931

RL 151.25 LAL -.00 LOL 234.46 VL 27.063 GAL 2.80 AZL 125.50 MCA 177.63 SMA 129.79 ECC .17222 INC35.5001 V1 29.45H
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.865 GAP -2.34 AZP 54.52 TAL 166.30 TAP 343.93 RCA 107.44 APO 152.15 V2 35.069
 RC 76.795 GL -64.43 GP 80.53 ZAL 86.86 ZAP 86.33 ETS 190.68 ZAE 77.41 ETE 298.27 ZAC 68.02 ETC 222.07 CLP 67.11

PLANETOCENTRIC CONIC

C3 302.789 VHL 17.401 DLA -48.27 RAL 124.84 RAD 6571.7 VEL 20.594 PTH 3.17 VHP 20.537 DPA 56.60 RAP 284.51 ECC 5.9831
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.12 6 3 16 2210.30 4.41 57.56 30.89 138.12 6 40 6 1610.3 10.34 52.56
 130.88 14 12 18 725.31 4.42 301.19 30.90 138.12 14 24 23 125.3 10.35 296.19
 49.12 6 3 16 2210.30 4.41 57.56 30.89 138.12 6 40 6 1610.3 10.34 52.56
 130.88 14 12 18 725.31 4.42 301.19 30.90 138.12 14 24 23 125.3 10.35 296.19
 49.12 6 3 16 2210.30 4.41 57.56 30.89 138.12 6 40 6 1610.3 10.34 52.56
 130.88 14 12 18 725.31 4.42 301.19 30.90 138.12 14 24 23 125.3 10.35 296.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 7.9746 TRA 1.0650 TC3 -.1057 BAU .9135 SGT 2703.3 SGR 3421.3 SG3 95.8 ST 2630.6 SR 3338.8 SS 1934.4
 RD-10.1363 RRA .5858 RC3 .1994 FAU-.02023 RRT -.9587 RRF .9978 RTF -.9752 CRT -.9963 CRS -.9998 CST .9978
 FDE-3.3108 FRA .0509 FC3 .0579 BSP 13897 SGB 4360.4 R23 -.0445 R13 .9990 LSA 4666.6 MSA 179.7 SSA .7
 BDE12.8973 BRA 1.2155 BC3 .2257 FSP -298 SG1 4317.6 SG2 609.5 THA 128.04 EL1 4246.9 EL2 178.0 ALF 128.21

LAUNCH DATE MAY 16 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 418.415

RL 151.25 LAL -.00 LOL 234.46 VL 27.075 GAL 2.61 AZL 46.96 MCA 181.76 SMA 129.88 ECC .17057 INC43.0401 V1 29.45H
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.886 GAP -1.61 AZP 133.03 TAL 167.12 TAP 348.88 RCA 107.73 APO 152.03 V2 35.082
 RC 78.958 GL 62.22 GP -71.95 ZAL 87.63 ZAP 88.33 ETS 169.13 ZAE 78.06 ETE 63.82 ZAC 93.50 ETC 136.89 CLP 84.61

PLANETOCENTRIC CONIC

C3 435.371 VHL 20.866 DLA 64.91 RAL 198.61 RAD 6572.2 VEL 23.594 PTH 3.30 VHP 28.751 DPA -73.59 RAP 49.53 ECC 8.1651
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 28.79 21 59 23 5007.82 -3.02 242.51 107.20 25.13 23 22 51 4407.8 -10.26 239.48
 151.21 8 4 42 3291.82 -3.02 98.90 107.19 25.13 8 59 34 2691.8 -10.25 95.88
 28.79 21 59 23 5007.82 -3.02 242.51 107.20 25.13 23 22 51 4407.8 -10.26 239.48
 151.21 8 4 42 3291.82 -3.02 98.90 107.19 25.13 8 59 34 2691.8 -10.25 95.88
 28.79 21 59 23 5007.82 -3.02 242.51 107.20 25.13 23 22 51 4407.8 -10.26 239.48
 151.21 8 4 42 3291.82 -3.02 98.90 107.19 25.13 8 59 34 2691.8 -10.25 95.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.7849 TRA-2.6784 TC3 -.1340 BAU 1.5959 SGT 1976.4 SGR 3934.3 SG3 78.0 ST 925.1 SR 1156.5 SS 675.1
 ROE -.6967 RRA-5.8688 RC3 -.2392 FAU-.02772 RRT .9384 RRF -.9994 RTF -.9501 CRT .6918 CRS .9932 CST .7712
 FDE .2764 FRA 1.3427 FC3 .0551 BSP 12372 SGB 4402.8 R23 -.0328 R13 -.9995 LSA 1523.2 MSA 573.6 SSA .3
 BDE 2.8707 BRA 6.4511 BC3 .2742 FSP -227 SG1 4359.5 SG2 616.1 THA 64.21 EL1 1369.3 EL2 564.2 ALF 54.01

LAUNCH DATE MAY 16 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 424.418

RL 151.25 LAL -.00 LOL 234.46 VL 27.085 GAL 2.70 AZL 77.23 MCA 184.61 SMA 129.94 ECC .17041 INC12.7725 VI 29.45H
 RP 107.98 LAP -1.02 LOP 58.96 VP 37.905 GAP -1.27 AZP 102.73 TAL 166.67 TAP 351.28 RCA 107.80 APO 152.09 V2 35.094
 RC 81.139 GL 61.85 GP -81.97 ZAL 82.34 ZAP 86.67 ETS 22.21 ZAE 102.61 ETE 279.65 ZAC 104.35 ETC 358.01 CLP -65.46

PLANETOCENTRIC CONIC

C3 46.024 VML 6.784 CLA 60.51 RAL 205.11 RAD 6568.7 VEL 12.938 PTH 2.36 VMP 10.531 OPA -62.56 RAP 115.12 ECC 1.7574
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 34.00 22 37 49 4580.61 -26.62 226.11 98.66 33.41 23 54 10 3980.6 -33.20 221.27
 146.00 8 18 10 2906.83 -26.62 88.59 98.64 33.41 9 6 37 2306.8 -33.20 83.75
 34.00 22 37 49 4580.61 -26.62 226.11 98.66 33.41 23 54 10 3980.6 -33.20 221.27
 146.00 8 18 10 2906.83 -26.62 88.59 98.64 33.41 9 6 37 2306.8 -33.20 83.75
 34.00 22 37 49 4580.61 -26.62 226.11 98.66 33.41 23 54 10 3980.6 -33.20 221.27
 146.00 8 18 10 2906.83 -26.62 88.59 98.64 33.41 9 6 37 2306.8 -33.20 83.75

DIFFERENTIAL CORRECTIONS

TC6 .6884 TRA -1.297 TC3 -.0283 BAU .3395
 RDE .0611 RRA 2.6491 RC3 -.5511 FAU .01480
 FDE -.0654 FRA 1.2313 FC3 -.2785 BSP 13976
 BDE .6911 BRA 2.6523 BC3 .5518 FSP -577

MID-COURSE EXECUTION ACCURACY

SGT 623.7 SGR 4606.3 SG3 185.5
 RRT -.3317 RRF .9992 RTF -.3643
 SGB 4648.4 R23 .0290 R13 .9994
 SGI 4611.1 SG2 587.8 THA 92.61

ORBIT DETERMINATION ACCURACY

ST 585.2 SR 1364.7 SS 578.9
 CRT -.0764 CRS -.9922 CST .1998
 LSA 1482.1 MSA 585.8 SSA 1.0
 EL1 1365.5 EL2 583.1 ALF 92.30

LAUNCH DATE MAY 16 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 430.735

RL 151.25 LAL -.00 LOL 234.46 VL 27.091 GAL 2.73 AZL 83.80 MCA 187.75 SMA 129.99 ECC .17020 INC 6.1977 VI 29.45H
 RP 107.94 LAP -.83 LOP 62.17 VP 37.921 GAP -.84 AZP 96.14 TAL 166.46 TAP 354.22 RCA 107.86 APO 152.11 V2 35.107
 RC 83.336 GL 47.10 GP -69.51 ZAL 76.63 ZAP 87.11 ETS 8.63 ZAE 114.93 ETE 267.39 ZAC 108.53 ETC 351.85 CLP -81.72

PLANETOCENTRIC CONIC

C3 15.905 VML 3.988 CLA 48.18 RAL 190.60 RAD 6567.6 VEL 11.717 PTH 2.06 VMP 6.633 OPA -51.92 RAP 128.41 ECC 1.2617
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.23 22 24 7 4224.33 -34.07 195.76 63.38 53.60 23 34 31 3624.3 -38.55 187.94
 130.77 6 36 3 2741.85 -34.06 79.61 63.37 53.59 7 21 45 2141.8 -38.54 71.79
 49.23 22 24 7 4224.33 -34.07 195.76 63.38 53.60 23 34 31 3624.3 -38.55 187.94
 130.77 6 36 3 2741.85 -34.06 79.61 63.37 53.59 7 21 45 2141.8 -38.54 71.79
 49.23 22 24 7 4224.33 -34.07 195.76 63.38 53.60 23 34 31 3624.3 -38.55 187.94
 130.77 6 36 3 2741.85 -34.06 79.61 63.37 53.59 7 21 45 2141.8 -38.54 71.79

DIFFERENTIAL CORRECTIONS

TC6 .3880 TRA .2266 TC3 -.5527 BAU .4901
 RDE .2674 RRA 1.8573 RC3 -2.2379 FAU .04251
 FDE .2028 FRA 1.8143 FC3 -2.3142 BSP 13939
 BDE .4712 BRA 1.8713 BC3 2.3052 FSP -1200

MID-COURSE EXECUTION ACCURACY

SGT 862.2 SGR 4399.3 SG3 374.4
 RRT .7791 RRF .9996 RTF .7721
 SGB 4483.0 R23 .0291 R13 .9992
 SGI 4451.0 SG2 534.2 THA 81.19

ORBIT DETERMINATION ACCURACY

ST 576.4 SR 1261.9 SS 693.3
 CRT .5371 CRS -.9978 CST -.4802
 LSA 1474.5 MSA 480.8 SSA 2.1
 EL1 1305.2 EL2 470.1 ALF 74.10

LAUNCH DATE MAY 16 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 437.082

RL 151.25 LAL -.00 LOL 234.46 VL 27.095 GAL 2.77 AZL 86.58 MCA 190.94 SMA 130.01 ECC .17019 INC 3.4176 VI 29.45H
 RP 107.91 LAP -.65 LOP 65.39 VP 37.935 GAP -.41 AZP 93.36 TAL 166.25 TAP 357.19 RCA 107.89 APO 152.14 V2 35.119
 RC 85.546 GL 31.66 GP -59.93 ZAL 72.15 ZAP 89.40 ETS 2.09 ZAE 123.88 ETE 260.57 ZAC 111.68 ETC 351.91 CLP -88.80

PLANETOCENTRIC CONIC

C3 9.447 VML 3.074 CLA 34.47 RAL 180.99 RAD 6567.3 VEL 11.438 PTH 1.98 VMP 5.105 OPA -42.98 RAP 134.06 ECC 1.1555
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.47 23 17 6 3858.19 -28.07 160.66 40.03 69.12 24 21 24 3258.2 -30.65 152.38
 110.53 4 26 23 2887.39 -28.06 88.16 40.03 69.11 5 14 31 2287.4 -30.64 79.88
 69.47 23 17 6 3858.19 -28.07 160.66 40.03 69.12 24 21 24 3258.2 -30.65 152.38
 110.53 4 26 23 2887.39 -28.06 88.16 40.03 69.11 5 14 31 2287.4 -30.64 79.88
 69.47 23 17 6 3858.19 -28.07 160.66 40.03 69.12 24 21 24 3258.2 -30.65 152.38
 110.53 4 26 23 2887.39 -28.06 88.16 40.03 69.11 5 14 31 2287.4 -30.64 79.88

DIFFERENTIAL CORRECTIONS

TC6 .2395 TRA .3361 TC3 -1.4705 BAU .5032
 RDE .0910 RRA 1.4939 RC3 -3.7030 FAU .07008
 FDE .0598 FRA 2.4718 FC3 -6.4221 BSP 13255
 BDE .2562 BRA 1.5312 BC3 3.9843 FSP -1895

MID-COURSE EXECUTION ACCURACY

SGT 1262.5 SGR 4076.8 SG3 591.3
 RRT .9132 RRF .9994 RTF .9104
 SGB 4267.8 R23 .0392 R13 .9987
 SGI 4239.1 SG2 494.7 THA 73.99

ORBIT DETERMINATION ACCURACY

ST 502.0 SR 1029.7 SS 743.0
 CRT .5970 CRS -.9951 CST -.5147
 LSA 1303.7 MSA 405.8 SSA 3.6
 EL1 1079.2 EL2 384.2 ALF 71.32

LAUNCH DATE MAY 16 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 443.426

RL 151.25 LAL -.00 LOL 234.46 VL 27.096 GAL 2.83 AZL 88.12 MCA 194.15 SMA 130.02 ECC .17038 INC 1.8828 VI 29.45H
 RP 107.87 LAP -.46 LOP 68.60 VP 37.947 GAP .02 AZP 91.83 TAL 166.00 TAP .15 RCA 107.87 APO 152.17 V2 35.131
 RC 87.767 GL 18.92 GP -52.12 ZAL 69.36 ZAP 92.97 ETS 357.31 ZAE 130.60 ETE 253.58 ZAC 114.42 ETC 352.84 CLP -94.84

PLANETOCENTRIC CONIC

C3 7.520 VML 2.742 CLA 22.73 RAL 175.28 RAD 6567.2 VEL 11.354 PTH 1.96 VMP 4.348 OPA -35.31 RAP 136.83 ECC 1.1238
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 6 26 2808.91 -28.22 82.47 29.01 92.49 4 53 15 2208.9 -27.57 73.87
 100.00 22 51 31 3850.80 -10.99 152.25 25.18 63.74 23 55 42 3250.8 -14.43 145.26
 100.00 5 44 43 2492.02 -29.55 59.06 28.92 94.76 6 26 15 1892.0 -28.57 50.40
 100.00 23 55 55 3642.92 -9.81 136.35 24.56 61.62 24 56 38 3042.9 -13.52 129.53
 110.00 7 27 39 2169.99 -32.74 34.11 28.42 100.42 8 3 49 1570.0 -30.96 25.34
 110.00 0 33 25 3537.72 -7.04 126.70 22.88 56.46 1 32 22 2937.7 -11.40 120.32

DIFFERENTIAL CORRECTIONS

TC6 .0985 TRA .4347 TC3 -2.4468 BAU .4951
 RDE -.0978 RRA 1.2607 RC3 -4.2734 FAU .09392
 FDE -.3886 FRA 3.0601 FC3 -10.8124 BSP 12503
 BDE .1388 BRA 1.3336 BC3 4.9243 FSP -2526

MID-COURSE EXECUTION ACCURACY

SGT 1677.1 SGR 3200.1 SG3 791.3
 RRT .9532 RRF .9992 RTF .9516
 SGB 4062.5 R23 .0533 R13 .9978
 SGI 4035.8 SG2 464.8 THA 66.30

ORBIT DETERMINATION ACCURACY

ST 362.3 SR 883.6 SS 841.4
 CRT .6682 CRS -.9905 CST -.5601
 LSA 1238.8 MSA 292.0 SSA 6.3
 EL1 919.1 EL2 259.1 ALF 73.31

LAUNCH DATE MAY 16 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 449.759

RL 151.25 LAL -.00 LOL 234.46 VL 27.094 GAL 2.89 AZL 89.09 MCA 197.37 SMA 130.01 ECC .17077 INC .9056 V1 29.45H
 RP 107.83 LAP -.27 LOP 71.82 VP 37.957 GAP .45 AZP 90.86 TAL 165.71 TAP 5.07 RCA 107.81 APO 152.22 V2 35.143
 RC 89.996 GL 9.35 GP -45.59 ZAL 67.74 ZAP 97.32 ETS 353.66 ZAE 135.43 ETE 245.91 ZAC 116.88 ETC 354.08 CLP-100.49

PLANETOCENTRIC CONIC

C3 6.931 VML 2.633 CLA 13.72 RAL 171.80 RAD 6567.2 VEL 11.328 PTH 1.95 VMP 3.936 DPA -28.69 RAP 138.20 ECC 1.1141
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 28 37 2434.02 -24.22 55.88 21.45 105.14 6 9 11 1834.0 -21.90 47.97
 90.00 21 1 37 4196.64 -.07 171.79 18.62 61.68 22 11 34 3596.6 -3.85 165.16
 100.00 6 57 11 2148.40 -25.08 34.60 21.18 106.82 7 32 59 1548.4 -22.54 26.72
 100.00 22 15 44 3957.50 .72 153.78 18.18 60.12 23 21 42 3357.5 -3.27 147.25
 110.00 8 21 38 1884.13 -27.34 13.66 20.31 111.37 8 53 2 1284.1 -24.19 5.91
 110.00 23 7 46 3794.53 2.74 140.15 16.92 55.91 24 11 0 3194.5 -1.75 133.94

DIFFERENTIAL CORRECTIONS

TDE -.0467 TRA .5349 TC3-3.2664 BAU .4920
 RDE -.2305 RRA 1.0826 RC3-4.1861 FAU .11296
 FDE -.9824 FRA 3.5104 FC-14.1084 BSP 12076
 BDE .2352 BRA 1.2075 BC3 5.3097 FSP -3067

MID-COURSE EXECUTION ACCURACY

SGT 2098.6 SGR 3315.4 SG3 952.8
 RRT .9698 RRF .9989 RTF .9687
 SGB 3923.8 R23 .0698 R13 .9964
 SGI 3899.6 SG2 434.9 TMA 58.01

ORBIT DETERMINATION ACCURACY

ST 377.1 SR 886.2 SS 1085.5
 CRT .9453 CRS -.9913 CST -.8946
 LSA 1440.9 MSA 171.7 SSA 10.9
 EL1 956.3 EL2 114.0 ALF 67.76

LAUNCH DATE MAY 16 1967

FLIGHT TIME 168.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 456.075

RL 151.25 LAL -.00 LOL 234.46 VL 27.091 GAL 2.97 AZL 89.77 MCA 200.59 SMA 129.99 ECC .17137 INC .2252 V1 29.45H
 RP 107.80 LAP -.08 LOP 75.05 VP 37.965 GAP .87 AZP 90.21 TAL 165.38 TAP 5.96 RCA 107.71 APO 152.26 V2 35.154
 RC 92.232 GL 2.34 GP -40.06 ZAL 66.73 ZAP 102.05 ETS 350.91 ZAE 138.61 ETE 237.79 ZAC 119.05 ETC 355.53 CLP-105.83

PLANETOCENTRIC CONIC

C3 6.844 VML 2.616 DLA 7.00 RAL 169.65 RAD 6567.2 VEL 11.324 PTH 1.95 VMP 3.709 DPA -22.98 RAP 138.86 ECC 1.1126
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 14 58 2209.73 -19.45 41.17 17.43 110.99 6 51 48 1609.7 -16.42 33.81
 90.00 19 58 5 4416.47 6.97 184.11 15.93 62.48 21 11 41 3816.5 3.23 177.43
 100.00 7 39 40 1936.58 -20.20 20.77 17.11 112.52 8 11 56 1336.6 -16.97 13.46
 100.00 21 16 4 4164.85 7.68 165.23 15.55 61.02 22 25 29 3564.9 3.76 158.64
 110.00 8 55 33 1699.08 -22.19 1.76 16.14 116.70 9 23 52 1099.1 -18.42 354.65
 110.00 22 16 40 3975.12 9.55 149.69 14.41 57.02 23 22 55 3375.1 5.14 143.38

DIFFERENTIAL CORRECTIONS

TDE -.1964 TRA .6365 TC3-3.8989 BAU .4960
 RDE -.3032 RRA .9402 RC3-3.7674 FAU .12563
 FDE -1.5719 FRA 3.8200 FC-15.8918 BSP 11870
 BDE .3612 BRA 1.1354 BC3 5.4216 FSP -3450

MID-COURSE EXECUTION ACCURACY

SGT 2513.7 SGR 2937.8 SG3 1065.4
 RRT .9777 RRF .9983 RTF .9769
 SGB 3866.4 R23 .0848 R13 .9947
 SGI 3845.4 SG2 403.0 TMA 49.55

ORBIT DETERMINATION ACCURACY

ST 605.2 SR 912.0 SS 1371.3
 CRT .9991 CRS -.9929 CST -.9891
 LSA 1751.1 MSA 109.6 SSA 16.6
 EL1 1094.3 EL2 21.4 ALF 56.44

LAUNCH DATE MAY 16 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 462.375

RL 151.25 LAL -.00 LOL 234.46 VL 27.085 GAL 3.06 AZL 90.28 MCA 203.81 SMA 129.95 ECC .17216 INC .2761 V1 29.45H
 RP 107.77 LAP .11 LOP 78.27 VP 37.971 GAP 1.29 AZP 89.75 TAL 165.00 TAP 8.81 RCA 107.58 APO 152.32 V2 35.165
 RC 94.474 GL -2.83 GP -35.34 ZAL 65.97 ZAP 106.90 ETS 348.86 ZAE 140.37 ETE 229.67 ZAC 120.89 ETC 357.11 CLP-110.88

PLANETOCENTRIC CONIC

C3 6.976 VML 2.641 DLA 1.93 RAL 168.34 RAD 6567.2 VEL 11.330 PTH 1.95 VMP 3.594 DPA -18.05 RAP 139.14 ECC 1.1148
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 47 56 2054.38 -15.39 31.59 15.46 114.07 7 22 11 1454.4 -12.01 24.54
 90.00 19 14 38 4578.55 11.94 193.43 15.03 64.13 20 30 57 3978.5 8.36 186.57
 100.00 8 10 11 1789.11 -16.10 11.73 15.11 115.53 8 40 0 1189.1 -12.53 4.76
 100.00 20 35 5 4319.06 12.64 173.99 14.67 62.69 21 47 4 3719.1 8.88 167.21
 110.00 9 20 29 1569.04 -18.00 353.99 14.08 119.56 9 46 38 969.0 -13.93 347.24
 110.00 21 41 16 4111.89 14.51 157.18 13.59 58.71 22 49 47 3511.9 10.26 150.66

DIFFERENTIAL CORRECTIONS

TDE -.3485 TRA .7391 TC3-4.3731 BAU .5088
 RDE -.3336 RRA .8233 RC3-3.2610 FAU .13260
 FDE -2.0876 FRA 4.0021 FC-16.4550 BSP 11935
 BDE .4824 BRA 1.1064 BC3 5.4551 FSP -3684

MID-COURSE EXECUTION ACCURACY

SGT 2912.3 SGR 2585.4 SG3 1131.5
 RRT .9819 RRF .9974 RTF .9816
 SGB 3894.3 R23 .0947 R13 .9930
 SGI 3876.9 SG2 368.0 TMA 41.54

ORBIT DETERMINATION ACCURACY

ST 898.8 SR 902.0 SS 1624.6
 CRT .9973 CRS -.9933 CST -.9986
 LSA 2062.1 MSA 92.4 SSA 19.4
 EL1 1272.5 EL2 46.6 ALF 45.10

LAUNCH DATE MAY 16 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 468.656

RL 151.25 LAL -.00 LOL 234.46 VL 27.078 GAL 3.16 AZL 90.67 MCA 207.04 SMA 129.90 ECC .17315 INC .6653 V1 29.45H
 RP 107.73 LAP .30 LOP 81.50 VP 37.975 GAP 1.71 AZP 89.41 TAL 164.59 TAP 11.62 RCA 107.41 APO 152.39 V2 35.175
 RC 96.719 GL -6.71 GP -31.30 ZAL 65.28 ZAP 111.68 ETS 347.36 ZAE 140.99 ETE 222.09 ZAC 122.39 ETC 358.76 CLP-115.62

PLANETOCENTRIC CONIC

C3 7.221 VML 2.687 DLA -1.97 RAL 167.60 RAD 6567.2 VEL 11.341 PTH 1.95 VMP 3.554 DPA -13.82 RAP 139.28 ECC 1.1188
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 13 54 1939.57 -12.09 24.77 14.67 115.80 7 46 14 1339.6 -8.52 17.91
 90.00 18 42 46 4705.54 15.58 200.97 15.12 66.06 20 1 12 4105.5 12.22 193.91
 100.00 8 34 20 1680.13 -12.80 5.33 14.31 117.24 9 2 20 1080.1 -9.05 358.55
 100.00 20 5 2 4440.21 16.31 181.11 14.77 64.60 21 19 2 3840.2 12.76 174.12
 110.00 9 40 29 1473.08 -14.70 348.52 13.22 121.22 10 5 2 873.1 -10.45 341.99
 110.00 21 15 23 4220.03 18.24 163.35 13.72 60.57 22 25 43 3620.0 14.18 156.59

DIFFERENTIAL CORRECTIONS

TDE -.5009 TRA .8424 TC3-4.7199 BAU .5281
 RDE -.3362 RRA .7266 RC3-2.7667 FAU .13454
 FDE -2.4993 FRA 4.0812 FC-16.1318 BSP 12238
 BDE .6033 BRA 1.1125 BC3 5.4710 FSP -3788

MID-COURSE EXECUTION ACCURACY

SGT 3287.2 SGR 2264.5 SG3 1157.2
 RRT .9838 RRF .9961 RTF .9843
 SGB 3991.7 R23 .0977 R13 .9915
 SGI 3977.6 SG2 335.0 TMA 34.41

ORBIT DETERMINATION ACCURACY

ST 1199.0 SR 855.7 SS 1824.2
 CRT .9941 CRS -.9928 CST -.9997
 LSA 2342.7 MSA 93.2 SSA 19.3
 EL1 1471.0 EL2 75.5 ALF 35.46

LAUNCH DATE MAY 16 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 474.918

RL 151.25 LAL -1.00 LOL 234.46 VL 27.069 GAL 3.28 AZL 90.98 MCA 210.27 SMA 129.84 ECC .17433 INC .9774 V1 29.45H
 RP 107.70 LAP .49 LOP 84.72 VP 37.978 GAP 2.12 AZP 89.16 TAL 164.13 TAP 14.39 RCA 107.20 APO 152.47 V2 35.185
 RC 98.967 GL -9.67 GP -27.83 ZAL 64.57 ZAP 116.28 ETS 346.27 ZAE 140.78 ETE 215.39 ZAC 123.53 ETC .43 CLP-120.04

PLANETOCENTRIC CONIC

C3 7.531 VHL 2.744 DLA -5.05 RAL 167.28 RAD 6567.2 VEL 11.354 PTH 1.96 VHP 3.566 DPA -10.21 RAP 139.39 ECC 1.1239
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 35 40 1851.09 -9.41 19.64 14.63 116.83 8 6 31 1251.1 -5.74 12.89
 90.00 18 18 26 4809.12 18.34 207.33 15.80 68.04 19 38 35 4209.1 15.20 200.06
 100.00 8 54 38 1596.36 -10.14 .53 14.25 118.27 9 21 14 996.4 -6.29 353.86
 100.00 19 42 9 4539.08 19.10 187.13 15.47 66.56 20 57 48 3939.1 15.76 179.93
 110.00 9 57 26 1399.76 -12.07 344.46 13.10 122.23 10 20 45 799.8 -7.73 338.06
 110.00 20 55 51 4308.44 21.11 168.60 14.45 62.47 22 7 39 3708.4 17.26 161.59

DIFFERENTIAL CORRECTIONS

TOE -.6523 TRA .9464 TC3-4.9675 BAU .5523
 RDE -.3212 RRA .6466 RC3-2.3286 FAU .13274
 FDE -2.8008 FRA 4.0831 FC-15.2606 BSP 12718
 BDE .7271 BRA 1.1461 BC3 5.4863 FSP -3785

MID-COURSE EXECUTION ACCURACY

SGT 3636.3 SGR 1979.9 SG3 1151.4
 RRT .9843 RRF .9940 RTF .9859
 SGB 4140.4 R23 .0936 R13 .9905
 SG1 4128.9 SG2 308.1 TMA 28.36

ORBIT DETERMINATION ACCURACY

ST 1488.6 SR 785.2 SS 1969.4
 CRT .9912 CRS -.9914 CST -.9999
 LSA 2588.6 MSA 98.4 SSA 18.6
 EL1 1680.4 EL2 92.2 ALF 27.69

LAUNCH DATE MAY 16 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 481.161

RL 151.25 LAL -1.00 LOL 234.46 VL 27.058 GAL 3.41 AZL 91.23 MCA 213.50 SMA 129.76 ECC .17571 INC 1.2343 V1 29.45H
 RP 107.67 LAP .68 LOP 87.95 VP 37.978 GAP 2.54 AZP 88.97 TAL 163.62 TAP 17.12 RCA 106.96 APO 152.56 V2 35.195
 RC 101.218 GL -11.96 GP -24.85 ZAL 63.81 ZAP 120.63 ETS 345.49 ZAE 140.00 ETE 209.71 ZAC 124.33 ETC 2.07 CLP-124.16

PLANETOCENTRIC CONIC

C3 7.887 VHL 2.808 DLA -7.53 RAL 167.27 RAD 6567.3 VEL 11.370 PTH 1.96 VHP 3.618 DPA -7.12 RAP 139.56 ECC 1.1298
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 54 41 1780.83 -7.23 15.64 15.10 117.45 8 24 22 1180.8 -3.50 8.95
 90.00 17 59 22 4896.24 20.46 212.83 16.89 69.99 19 20 58 4296.2 17.55 205.37
 100.00 9 12 24 1530.09 -7.98 356.79 14.69 118.90 9 37 54 930.1 -4.07 350.20
 100.00 19 24 19 4622.21 21.26 192.35 16.57 68.48 20 41 22 4022.2 18.15 184.94
 110.00 10 12 23 1342.29 -9.97 341.34 13.49 122.87 10 34 45 742.3 -5.57 335.02
 110.00 20 40 50 4382.77 23.38 173.18 15.57 64.32 21 53 53 3782.8 19.73 165.94

DIFFERENTIAL CORRECTIONS

TOE -.7991 TRA 1.0538 TC3-5.1216 BAU .5778
 RDE -.2945 RRA .5814 RC3-1.9478 FAU .12774
 FDE -2.9911 FRA 4.0391 FC-14.0184 BSP 13250
 BDE .8516 BRA 1.2035 BC3 5.4795 FSP -3683

MID-COURSE EXECUTION ACCURACY

SGT 3954.2 SGR 1729.1 SG3 1121.0
 RRT .9831 RRF .9908 RTF .9868
 SGB 4315.7 R23 .0842 R13 .9897
 SG1 4305.9 SG2 290.7 TMA 23.37

ORBIT DETERMINATION ACCURACY

ST 1757.4 SR 700.6 SS 2061.8
 CRT .9874 CRS -.9886 CST -.9999
 LSA 2796.3 MSA 104.7 SSA 18.1
 EL1 1889.1 EL2 103.0 ALF 21.56

LAUNCH DATE MAY 16 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 487.384

RL 151.25 LAL -1.00 LOL 234.46 VL 27.045 GAL 3.55 AZL 91.45 MCA 216.73 SMA 129.67 ECC .17727 INC 1.4511 V1 29.45H
 RP 107.65 LAP .87 LOP 91.19 VP 37.978 GAP 2.95 AZP 88.84 TAL 163.08 TAP 19.82 RCA 106.69 APO 152.66 V2 35.204
 RC 103.470 GL -13.74 GP -22.28 ZAL 62.98 ZAP 124.70 ETS 344.93 ZAE 138.88 ETE 205.04 ZAC 124.79 ETC 3.63 CLP-127.97

PLANETOCENTRIC CONIC

C3 8.281 VHL 2.878 DLA -9.58 RAL 167.51 RAD 6567.3 VEL 11.387 PTH 1.97 VHP 3.699 DPA -4.51 RAP 139.82 ECC 1.1363
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 11 47 1723.83 -5.43 12.42 15.93 117.83 8 40 31 1123.8 -1.66 5.76
 90.00 17 44 10 4971.33 22.14 217.70 18.27 71.88 19 7 1 4371.3 19.45 210.06
 100.00 9 28 25 1476.60 -6.21 353.81 15.50 119.30 9 53 2 876.6 -2.26 347.25
 100.00 19 10 13 4693.80 22.98 196.98 17.96 70.33 20 28 27 4093.8 20.09 189.38
 110.00 10 25 57 1296.44 -8.26 338.89 14.24 123.29 10 47 34 696.4 -3.82 332.61
 110.00 20 29 11 4446.72 25.20 177.25 16.98 66.10 21 43 17 3846.7 21.76 169.79

DIFFERENTIAL CORRECTIONS

TOE -.9446 TRA 1.1604 TC3-5.2197 BAU .6057
 RDE -.2639 RRA .5262 RC3-1.6389 FAU .12151
 FDE -3.1086 FRA 3.9481 FC-12.7027 BSP 13915
 BDE .9808 BRA 1.2741 BC3 5.4710 FSP -3556

MID-COURSE EXECUTION ACCURACY

SGT 4248.8 SGR 1514.8 SG3 1076.7
 RRT .9806 RRF .9862 RTF .9874
 SGB 4510.7 R23 .0701 R13 .9892
 SG1 4502.0 SG2 280.2 TMA 19.35

ORBIT DETERMINATION ACCURACY

ST 2009.8 SR 615.1 SS 2121.7
 CRT .9825 CRS -.9844 CST -.9999
 LSA 2984.5 MSA 110.0 SSA 17.8
 EL1 2099.0 EL2 109.8 ALF 16.78

LAUNCH DATE MAY 16 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 493.586

RL 151.25 LAL -1.00 LOL 234.46 VL 27.031 GAL 3.71 AZL 91.64 MCA 219.97 SMA 129.58 ECC .17903 INC 1.6374 V1 29.45H
 RP 107.62 LAP 1.05 LOP 94.42 VP 37.976 GAP 3.36 AZP 88.75 TAL 162.50 TAP 22.47 RCA 106.38 APO 152.78 V2 35.212
 RC 105.723 GL -15.14 GP -20.06 ZAL 62.09 ZAP 128.49 ETS 344.53 ZAE 137.59 ETE 201.26 ZAC 124.95 ETC 5.08 CLP-131.50

PLANETOCENTRIC CONIC

C3 8.712 VHL 2.952 DLA -11.30 RAL 167.95 RAD 6567.3 VEL 11.406 PTH 1.97 VHP 3.804 DPA -2.32 RAP 140.22 ECC 1.1434
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 27 31 1676.89 -3.93 9.78 17.04 118.07 8 55 28 1076.9 -1.15 3.14
 90.00 17 31 58 5037.41 23.47 222.09 19.87 73.68 18 55 55 4437.4 21.01 214.28
 100.00 9 43 10 1432.81 -4.75 351.39 16.59 119.55 10 7 3 832.8 -1.78 344.85
 100.00 18 58 59 4756.72 24.36 201.15 19.57 72.11 20 18 16 4156.7 21.68 193.37
 110.00 10 38 32 1259.43 -6.87 336.92 15.28 123.57 10 59 32 659.4 -2.41 330.67
 110.00 20 20 7 4502.86 26.70 180.92 18.62 67.82 21 35 10 3902.9 23.45 173.26

DIFFERENTIAL CORRECTIONS

TOE -1.0862 TRA 1.2702 TC3-5.2576 BAU .6332
 RDE -.2306 RRA .4809 RC3-1.3829 FAU .11416
 FDE -3.1581 FRA 3.8386 FC-11.3446 BSP 14583
 BDE 1.1104 BRA 1.3582 BC3 5.4365 FSP -3390

MID-COURSE EXECUTION ACCURACY

SGT 4516.8 SGR 1331.5 SG3 1022.9
 RRT .9762 RRF .9797 RTF .9877
 SGB 4708.9 R23 .0547 R13 .9888
 SG1 4700.7 SG2 277.5 TMA 16.11

ORBIT DETERMINATION ACCURACY

ST 2241.4 SR 531.5 SS 2150.8
 CRT .9750 CRS -.9775 CST -.9999
 LSA 3149.3 MSA 115.1 SSA 17.5
 EL1 2300.6 EL2 115.1 ALF 13.05

LAUNCH DATE MAY 16 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 499.766

RL 151.25 LAL -.00 LOL 234.46 VL 27.016 GAL 3.89 AZL 91.80 MCA 223.21 SMA 129.47 ECC .18099 INC 1.8002 V1 29.45H
 RP 107.60 LAP 1.23 LOP 97.65 VP 37.972 GAP 3.77 AZP 88.69 TAL 161.88 TAP 25.09 RCA 106.04 APO 152.91 V2 35.220
 RC 107.975 GL -16.23 GP -18.15 ZAL 61.14 ZAP 132.01 ETS 344.22 ZAE 136.24 ETE 198.21 ZAC 124.83 ETC 6.39 CLP-134.77

PLANETOCENTRIC CONIC

C3 9.180 VHL 3.030 DLA -12.75 RAL 168.56 RAD 6567.3 VEL 11.427 PTH 1.98 VHP 3.929 DPA -.48 RAP 140.76 ECC 1.1511
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 42 12 1637.87 -2.68 7.60 18.37 118.20 9 9 30 1037.9 1.11 .97
 90.00 17 22 7 5096.53 24.54 226.09 21.65 75.41 18 47 4 4496.5 22.30 218.14
 100.00 9 56 58 1396.68 -3.53 349.39 17.90 119.70 10 20 15 796.7 .45 342.87
 100.00 18 50 3 4812.96 25.48 204.95 21.37 73.81 20 10 16 4213.0 23.01 197.02
 110.00 10 50 22 1229.41 -5.74 335.33 16.53 123.76 11 10 52 629.4 -1.27 329.10
 110.00 20 13 8 4552.99 27.94 184.29 20.45 69.46 21 29 1 3953.0 24.89 176.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.2240 TRA 1.3837 TC3-5.2480 BAU .6600 SGT 4761.1 SGR 1176.1 SG3 964.3 ST 2452.5 SR 452.9 SS 2155.6
 RDE -.1965 RRA .4437 RC3-1.1729 FAU .10633 RRT .9694 RRF .9707 RTF .9878 CRT .9632 CRS -.9665 CST -.9999
 FDE-3.1555 FRA 3.7204 FC-10.0283 BSP 15250 SGB 4904.2 R23 .0399 R13 .9884 LSA 3294.2 MSA 120.1 SSA 17.4
 BDE 1.2397 BRA 1.4531 BC3 5.3775 FSP -3208 SGI 4896.2 SG2 280.9 TMA 13.51 ELI 2491.1 EL2 119.9 ALF 10.11

LAUNCH DATE MAY 16 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 505.925

RL 151.25 LAL -.00 LOL 234.46 VL 27.000 GAL 4.08 AZL 91.94 MCA 226.45 SMA 129.36 ECC .18315 INC 1.9445 V1 29.45H
 RP 107.58 LAP 1.41 LOP 100.89 VP 37.967 GAP 4.19 AZP 88.66 TAL 161.23 TAP 27.68 RCA 105.67 APO 153.06 V2 35.227
 RC 110.226 GL -17.07 GP -16.49 ZAL 60.13 ZAP 135.26 ETS 343.99 ZAE 134.89 ETE 195.76 ZAC 124.47 ETC 7.55 CLP-137.80

PLANETOCENTRIC CONIC

C3 9.688 VHL 3.113 DLA -14.00 RAL 169.30 RAD 6567.3 VEL 11.449 PTH 1.99 VHP 4.070 DPA 1.04 RAP 141.44 ECC 1.1594
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 56 4 1605.30 -1.63 5.78 19.90 118.27 9 22 50 1005.3 2.16 359.15
 90.00 17 14 12 5150.18 25.41 229.78 23.58 77.06 18 40 3 4550.2 23.38 221.70
 100.00 10 10 0 1366.78 -2.52 347.75 19.40 119.80 10 32 47 766.8 1.46 341.23
 100.00 18 42 58 4863.94 26.40 208.46 23.31 75.44 20 4 2 4263.9 24.14 200.39
 110.00 11 1 37 1205.09 -4.82 334.05 17.97 123.88 11 21 43 605.1 -.34 327.84
 110.00 20 7 50 4598.40 28.99 187.41 22.43 71.04 21 24 28 3998.4 26.13 179.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.3577 TRA 1.5017 TC3-5.1943 BAU .6851 SGT 4981.8 SGR 1044.7 SG3 903.8 ST 2643.1 SR 381.3 SS 2142.0
 RDE -.1628 RRA .4131 RC3 -.9997 FAU .09832 RRT .9596 RRF .9584 RTF .9877 CRT .9441 CRS -.9484 CST -.9999
 FDE-3.1151 FRA 3.5995 FC3-8.7857 BSP 15887 SGB 5090.1 R23 .0267 R13 .9880 LSA 3421.1 MSA 125.0 SSA 17.2
 BDE 1.3674 BRA 1.5575 BC3 5.2896 FSP -3017 SGI 5081.9 SG2 288.2 TMA 11.41 ELI 2667.5 EL2 124.5 ALF 7.77

LAUNCH DATE MAY 16 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 512.060

RL 151.25 LAL -.00 LOL 234.46 VL 26.982 GAL 4.28 AZL 92.07 MCA 229.69 SMA 129.24 ECC .18551 INC 2.0742 V1 29.45H
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.960 GAP 4.60 AZP 88.66 TAL 160.54 TAP 30.23 RCA 105.27 APO 153.22 V2 35.233
 RC 112.475 GL -17.72 GP -15.05 ZAL 59.06 ZAP 138.28 ETS 343.79 ZAE 133.59 ETE 193.78 ZAC 123.90 ETC 8.58 CLP-140.62

PLANETOCENTRIC CONIC

C3 10.242 VHL 3.200 DLA -15.08 RAL 170.17 RAD 6567.4 VEL 11.473 PTH 1.99 VHP 4.225 DPA 2.29 RAP 142.27 ECC 1.1686
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 9 16 1578.17 -.75 4.26 21.58 118.31 9 35 34 978.2 3.03 357.63
 90.00 17 7 54 5199.45 26.12 233.21 25.64 78.65 18 34 34 4599.4 24.29 225.02
 100.00 10 22 25 1342.13 -1.69 346.39 21.06 119.85 10 44 48 742.1 2.30 339.87
 100.00 18 37 26 4910.72 27.16 211.72 25.39 77.00 19 59 17 4310.7 25.10 203.53
 110.00 11 12 24 1185.57 -4.08 333.03 19.57 123.97 11 32 10 585.6 .41 326.82
 110.00 20 3 57 4640.05 29.87 190.33 24.55 72.56 21 21 17 4040.0 27.20 182.16

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.4862 TRA 1.6274 TC3-5.0981 BAU .7078 SGT 5180.0 SGR 934.1 SG3 843.6 ST 2812.2 SR 317.4 SS 2112.1
 RDE -.1295 RRA .3885 RC3 -.8553 FAU .09023 RRT .9460 RRF .9423 RTF .9874 CRT .9122 CRS -.9176 CST -.9999
 FDE-3.0435 FRA 3.4872 FC3-7.6265 BSP 16437 SGB 5263.6 R23 .0159 R13 .9876 LSA 3528.8 MSA 130.3 SSA 17.1
 BDE 1.4918 BRA 1.6732 BC3 5.1694 FSP -2814 SGI 5255.1 SG2 298.5 TMA 9.71 ELI 2827.1 EL2 129.4 ALF 5.89

LAUNCH DATE MAY 16 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 518.172

RL 151.25 LAL -.00 LOL 234.46 VL 26.963 GAL 4.50 AZL 92.19 MCA 232.93 SMA 129.12 ECC .18809 INC 2.1920 V1 29.45H
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.952 GAP 5.02 AZP 88.68 TAL 159.82 TAP 32.76 RCA 104.83 APO 153.40 V2 35.239
 RC 114.720 GL -18.19 GP -13.80 ZAL 57.94 ZAP 141.08 ETS 343.59 ZAE 132.36 ETE 192.18 ZAC 123.13 ETC 9.46 CLP-143.24

PLANETOCENTRIC CONIC

C3 10.846 VHL 3.293 DLA -16.02 RAL 171.13 RAD 6567.4 VEL 11.499 PTH 2.00 VHP 4.393 DPA 3.30 RAP 143.22 ECC 1.1785
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 21 53 1555.72 -.03 3.01 23.39 118.32 9 47 49 955.7 3.76 356.38
 90.00 17 2 59 5245.12 26.69 236.44 27.82 80.16 18 30 24 4645.1 25.06 228.15
 100.00 10 34 19 1322.02 -1.00 345.29 22.85 119.88 10 56 21 722.0 2.98 338.77
 100.00 18 33 14 4954.05 27.78 214.79 27.59 78.50 19 55 48 4354.1 25.92 206.49
 110.00 11 22 47 1170.19 -3.49 332.22 21.30 124.03 11 42 17 570.2 1.00 326.02
 110.00 20 1 15 4678.65 30.63 193.08 26.79 74.03 21 19 14 4078.6 28.14 184.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6140 TRA 1.7565 TC3-4.9827 BAU .7304 SGT 5363.3 SGR 841.8 SG3 786.1 ST 2967.1 SR 263.1 SS 2076.3
 RDE -.0981 RRA .3677 RC3 -.7383 FAU .08280 RRT .9284 RRF .9218 RTF .9871 CRT .8598 CRS -.8666 CST -.9999
 FDE-2.9621 FRA 3.3728 FC3-6.6089 BSP 17022 SGB 5428.9 R23 .0062 R13 .9872 LSA 3628.4 MSA 135.1 SSA 17.0
 BDE 1.6170 BRA 1.7946 BC3 5.0371 FSP -2634 SGI 5420.1 SG2 309.5 TMA 8.32 ELI 2975.8 EL2 134.0 ALF 4.37

LAUNCH DATE MAY 16 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 524.258

RL 151.25 LAL -.00 LOL 234.46 VL 26.944 GAL 4.74 AZL 92.30 MCA 236.18 SMA 128.98 ECC .19089 INC 2.3002 V1 29.45H
 RP 107.52 LAP 1.91 LOP 110.61 VP 37.943 GAP 5.44 AZP 88.72 TAL 159.08 TAP 35.25 RCA 104.36 APO 153.60 V2 35.244
 RC 116.961 GL -18.52 GP -12.71 ZAL 56.79 ZAP 143.67 ETS 343.40 ZAE 131.22 ETE 190.87 ZAC 122.19 ETC 10.21 CLP-145.68

PLANETOCENTRIC CONIC

C3 11.507 VHL 3.392 OLA -16.85 RAL 172.18 RAD 6567.4 VEL 11.528 PTH 2.01 VMP 4.572 DPA 4.11 RAP 144.30 ECC 1.1894
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 33 59 1537.44 .56 1.99 25.33 118.31 9 59 37 937.4 4.34 355.35
 90.00 16 59 14 5287.80 27.15 239.47 30.10 81.62 18 27 22 4687.8 25.71 231.10
 100.00 10 45 44 1305.94 -.46 344.41 24.76 119.89 11 7 30 705.9 3.52 337.88
 100.00 18 30 10 4994.54 28.30 217.69 29.89 79.95 19 53 25 4394.5 26.62 209.29
 110.00 11 32 48 1158.49 -3.05 331.61 23.15 124.06 11 52 7 558.5 1.45 325.41
 110.00 19 59 36 4714.76 31.28 195.70 29.14 75.45 21 18 11 4114.8 28.96 187.26

DIFFERENTIAL CORRECTIONS

TDE-1.7388 TRA 1.8931 TC3-4.8403 BAU .7511
 RDE -.0678 RRA .3507 RC3 -.6402 FAU .07571
 FDE-2.8689 FRA 3.2672 FC3-5.6956 BSP 17556
 BOE 1.7402 BRA 1.9253 BC3 4.8825 FSP -2458

MID-COURSE EXECUTION ACCURACY

SGT 5529.1 SGR 764.7 SG3 731.4
 RRT .9059 RRF .8963 RTF .9867
 SGB 5581.7 R23 -.0016 R13 .9868
 SG1 5572.4 SG2 321.2 TMA 7.17

ORBIT DETERMINATION ACCURACY

ST 3104.8 SR 218.6 SS 2032.8
 CRT .7721 CRS -.7805 CST -.9999
 LSA 3714.8 MSA 140.0 SSA 16.8
 EL1 3109.4 EL2 138.7 ALF 3.12

LAUNCH DATE MAY 16 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 530.318

RL 151.25 LAL -.00 LOL 234.46 VL 26.923 GAL 5.00 AZL 92.40 MCA 239.42 SMA 128.85 ECC .19392 INC 2.4005 V1 29.45H
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.932 GAP 5.87 AZP 88.78 TAL 158.30 TAP 37.72 RCA 103.86 APO 153.83 V2 35.24H
 RC 119.197 GL -18.74 GP -11.75 ZAL 55.60 ZAP 146.09 ETS 343.17 ZAE 130.16 ETE 189.80 ZAC 121.11 ETC 10.85 CLP-147.96

PLANETOCENTRIC CONIC

C3 12.232 VHL 3.497 OLA -17.57 RAL 173.30 RAD 6567.5 VEL 11.559 PTH 2.02 VMP 4.761 DPA 4.73 RAP 145.50 ECC 1.2013
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 45 37 1522.95 1.03 1.19 27.38 118.30 10 11 0 922.9 4.80 354.54
 90.00 16 56 32 5327.96 27.51 242.36 32.47 83.02 18 25 20 4728.0 26.26 233.91
 100.00 10 56 43 1293.51 -.04 343.73 26.78 119.89 11 18 16 693.5 3.94 337.20
 100.00 18 28 7 5032.64 28.72 220.45 32.28 81.34 19 52 0 4432.6 27.22 211.96
 110.00 11 42 29 1150.10 -2.73 331.17 25.10 124.09 12 1 39 550.1 1.77 324.97
 110.00 19 58 50 4748.80 31.83 198.19 31.59 76.83 21 17 59 4148.8 29.69 189.64

DIFFERENTIAL CORRECTIONS

TDE-1.8613 TRA 2.0373 TC3-4.6764 BAU .7702
 RDE -.0386 RRA .3365 RC3 -.5575 FAU .06904
 FDE-2.7694 FRA 3.1693 FC3-4.8865 BSP 18053
 BOE 1.8617 BRA 2.0649 BC3 4.7096 FSP -2293

MID-COURSE EXECUTION ACCURACY

SGT 5679.3 SGR 700.3 SG3 679.9
 RRT .8782 RRF .8654 RTF .9863
 SGB 5722.3 R23 -.0080 R13 .9863
 SG1 5712.6 SG2 333.0 TMA 6.20

ORBIT DETERMINATION ACCURACY

ST 3226.5 SR 185.0 SS 1984.0
 CRT .6303 CRS -.6407 CST -.9999
 LSA 3789.4 MSA 144.9 SSA 16.6
 EL1 3228.6 EL2 143.5 ALF 2.07

LAUNCH DATE MAY 16 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 536.350

RL 151.25 LAL -.00 LOL 234.46 VL 26.902 GAL 5.27 AZL 92.49 MCA 242.67 SMA 128.70 ECC .19719 INC 2.4943 V1 29.45H
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.921 GAP 6.31 AZP 88.85 TAL 157.49 TAP 40.16 RCA 103.32 APO 154.08 V2 35.252
 RC 121.426 GL -18.84 GP -10.91 ZAL 54.38 ZAP 148.35 ETS 342.92 ZAE 129.19 ETE 188.91 ZAC 119.90 ETC 11.38 CLP-150.11

PLANETOCENTRIC CONIC

C3 13.030 VHL 3.610 OLA -18.20 RAL 174.48 RAD 6567.5 VEL 11.594 PTH 2.03 VMP 4.961 DPA 5.19 RAP 146.79 ECC 1.2144
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 56 47 1511.95 1.38 .57 29.52 118.29 10 21 58 912.0 5.15 353.92
 90.00 16 54 46 5365.97 27.80 245.10 34.93 84.37 18 24 12 4766.0 26.73 236.60
 100.00 11 7 17 1284.45 .27 343.23 28.90 119.89 11 28 41 684.4 4.25 336.70
 100.00 18 26 57 5068.70 29.06 223.07 34.77 82.68 19 51 26 4468.7 27.74 214.52
 110.00 11 51 51 1144.78 -2.52 330.89 27.15 124.10 12 10 56 544.8 1.97 324.69
 110.00 19 58 52 4781.13 32.31 200.60 34.13 78.18 21 18 33 4181.1 30.34 191.93

DIFFERENTIAL CORRECTIONS

TDE-1.9794 TRA 2.1930 TC3-4.4865 BAU .7861
 RDE -.0101 RRA .3250 RC3 -.4862 FAU .06260
 FDE-2.6632 FRA 3.0841 FC3-4.1595 BSP 18438
 BOE 1.9794 BRA 2.2170 BC3 4.5127 FSP -2127

MID-COURSE EXECUTION ACCURACY

SGT 5812.8 SGR 646.8 SG3 631.6
 RRT .8450 RRF .8290 RTF .9858
 SGB 5848.7 R23 -.0129 R13 .9857
 SG1 5838.5 SG2 344.4 TMA 5.39

ORBIT DETERMINATION ACCURACY

ST 3330.0 SR 164.0 SS 1929.5
 CRT .4215 CRS -.4337 CST -.9999
 LSA 3849.1 MSA 150.2 SSA 16.5
 EL1 3330.7 EL2 148.7 ALF 1.19

LAUNCH DATE MAY 16 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 542.353

RL 151.25 LAL -.00 LOL 234.46 VL 26.880 GAL 5.57 AZL 92.58 MCA 245.91 SMA 128.55 ECC .20072 INC 2.5827 V1 29.45H
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.908 GAP 6.75 AZP 88.95 TAL 156.67 TAP 42.58 RCA 102.75 APO 154.36 V2 35.255
 RC 123.648 GL -18.86 GP -10.16 ZAL 53.13 ZAP 150.47 ETS 342.61 ZAE 128.30 ETE 188.16 ZAC 118.57 ETC 11.82 CLP-152.12

PLANETOCENTRIC CONIC

C3 13.909 VHL 3.730 OLA -18.76 RAL 175.70 RAD 6567.5 VEL 11.632 PTH 2.04 VMP 5.170 DPA 5.51 RAP 148.18 ECC 1.2289
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 7 29 1504.25 1.63 .14 31.74 118.27 10 32 33 904.3 5.40 353.49
 90.00 16 53 50 5402.08 28.01 247.72 37.47 85.67 18 23 52 4802.1 27.12 239.17
 100.00 11 17 26 1278.55 .47 342.91 31.09 119.89 11 38 44 678.6 4.44 336.37
 100.00 18 26 34 5103.02 29.33 225.59 37.33 83.97 19 51 38 4503.0 28.19 216.97
 110.00 12 0 54 1142.33 -2.43 330.77 29.28 124.11 12 19 56 542.3 2.06 324.56
 110.00 19 59 35 4812.00 32.72 202.91 36.76 79.49 21 19 47 4212.0 30.92 194.15

DIFFERENTIAL CORRECTIONS

TDE-2.0995 TRA 2.3544 TC3-4.2936 BAU .8023
 RDE .0172 RRA .3149 RC3 -.4263 FAU .05691
 FDE-2.5639 FRA 3.0015 FC3-3.5424 BSP 18874
 BOE 2.0996 BRA 2.3754 BC3 4.3147 FSP -1986

MID-COURSE EXECUTION ACCURACY

SGT 5937.4 SGR 602.4 SG3 587.3
 RRT .8066 RRF .7873 RTF .9853
 SGB 5967.8 R23 -.0173 R13 .9853
 SG1 5957.3 SG2 354.9 TMA 4.70

ORBIT DETERMINATION ACCURACY

ST 3424.3 SR 155.9 SS 1876.9
 CRT .1709 CRS -.1839 CST -.9999
 LSA 3905.0 MSA 155.0 SSA 16.2
 EL1 3424.4 EL2 153.6 ALF .45

LAUNCH DATE MAY 16 1967

FLIGHT TIME 198.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 548.323

RL 151.25 LAL -1.00 LOL 234.46 VL 26.857 GAL 5.88 AZL 92.67 HCA 249.16 SMA 128.40 ECC .20452 INC 2.6668 V1 29.45H
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.894 GAP 7.20 AZP 89.05 TAL 155.82 TAP 44.98 RCA 102.14 APO 154.66 V2 35.257
 RC 125.861 GL -18.80 GP -9.50 ZAL 51.87 ZAP 152.46 ETS 342.26 ZAE 127.49 ETE 187.53 ZAC 117.15 ETC 12.18 CLP-154.03

PLANETOCENTRIC CONIC

C3 14.881 VHL 3.858 OLA -19.24 RAL 176.96 RAD 6567.6 VEL 11.673 PTH 2.05 VHP 5.389 DPA 5.70 RAP 149.65 ECC 1.2449
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 17 45 1499.70 1.78 359.89 34.04 118.27 10 42 44 899.7 5.54 353.23
 90.00 16 53 39 5436.54 28.16 250.23 40.08 86.92 18 24 16 4836.5 27.44 241.64
 100.00 11 27 10 1275.67 .57 342.75 33.36 119.89 11 48 26 675.7 4.54 336.21
 100.00 18 26 55 5135.80 29.54 228.00 39.97 85.23 19 52 31 4535.8 28.57 219.33
 110.00 12 9 38 1142.59 -2.44 330.78 31.49 124.11 12 28 41 542.6 2.05 324.58
 110.00 20 0 56 4841.65 33.06 205.16 39.47 80.78 21 21 38 4241.7 31.44 196.31

DIFFERENTIAL CORRECTIONS

TOE-2.2187 TRA 2.5258 TC3-4.0890 BAU .8169
 RDE .0440 RRA .3063 RC3 -.3743 FAU .05161
 FDE-2.4659 FRA 2.9270 FC3-3.0026 BSP 19279
 BOE 2.2191 BRA 2.5443 BC3 4.1061 FSP -1854

MID-COURSE EXECUTION ACCURACY

SGT 6049.7 SGR 565.5 SG3 546.3
 RRT .7630 RRF .7406 RTF .9848
 SGB 6076.1 R23 -.0209 R13 .9847
 SG1 6065.2 SG2 364.6 TMA 4.09

ORBIT DETERMINATION ACCURACY

ST 3505.5 SR 158.8 SS 1823.0
 CRT -.0755 CRS .0625 CST -.9999
 LSA 3951.1 MSA 159.8 SSA 16.1
 EL1 3505.5 EL2 158.4 ALF 179.80

LAUNCH DATE MAY 16 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 554.259

RL 151.25 LAL -1.00 LOL 234.46 VL 26.834 GAL 6.22 AZL 92.75 HCA 252.41 SMA 128.25 ECC .20861 INC 2.7474 V1 29.45H
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.879 GAP 7.66 AZP 89.17 TAL 154.95 TAP 47.36 RCA 101.49 APO 155.00 V2 35.258
 RC 128.066 GL -18.67 GP -8.92 ZAL 50.60 ZAP 154.34 ETS 341.84 ZAE 126.74 ETE 187.00 ZAC 115.64 ETC 12.47 CLP-155.84

PLANETOCENTRIC CONIC

C3 15.958 VHL 3.995 OLA -19.66 RAL 178.26 RAD 6567.6 VEL 11.719 PTH 2.06 VHP 5.619 DPA 5.78 RAP 151.20 ECC 1.2626
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 27 32 1498.17 1.83 359.80 36.40 118.26 10 52 31 898.2 5.59 353.15
 90.00 16 54 10 5469.53 28.26 252.64 42.75 88.12 18 25 20 4869.5 27.70 244.02
 100.00 11 36 29 1275.68 .57 342.75 35.70 119.89 11 57 45 675.7 4.54 336.21
 100.00 18 27 55 5167.26 29.70 230.33 42.68 86.44 19 54 2 4567.3 28.89 221.62
 110.00 12 18 3 1145.44 -2.55 330.93 33.76 124.10 12 37 8 545.4 1.94 324.72
 110.00 20 2 50 4870.27 33.35 207.34 42.24 82.04 21 24 1 4270.3 31.89 198.41

DIFFERENTIAL CORRECTIONS

TOE-2.3371 TRA 2.7081 TC3-3.8757 BAU .8298
 RDE .0703 RRA .2986 RC3 -.3288 FAU .04671
 FDE-2.3704 FRA 2.8606 FC3-2.5338 BSP 19646
 BOE 2.3381 BRA 2.7246 BC3 3.8896 FSP -1732

MID-COURSE EXECUTION ACCURACY

SGT 6151.2 SGR 534.9 SG3 508.5
 RRT .7148 RRF .6896 RTF .9843
 SGB 6174.4 R23 -.0237 R13 .9842
 SG1 6163.1 SG2 373.3 TMA 3.57

ORBIT DETERMINATION ACCURACY

ST 3574.3 SR 169.9 SS 1768.6
 CRT -.2774 CRS .2650 CST -.9999
 LSA 3988.1 MSA 164.6 SSA 15.8
 EL1 3574.6 EL2 163.2 ALF 179.24

LAUNCH DATE MAY 16 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 560.158

RL 151.25 LAL -1.00 LOL 234.46 VL 26.810 GAL 6.57 AZL 92.83 HCA 255.65 SMA 128.09 ECC .21301 INC 2.8251 V1 29.45H
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.862 GAP 8.13 AZP 89.30 TAL 154.07 TAP 49.72 RCA 100.81 APO 155.37 V2 35.259
 RC 130.261 GL -18.48 GP -8.40 ZAL 49.33 ZAP 156.11 ETS 341.34 ZAE 126.06 ETE 186.54 ZAC 114.06 ETC 12.71 CLP-157.56

PLANETOCENTRIC CONIC

C3 17.153 VHL 4.142 OLA -20.03 RAL 179.57 RAD 6567.7 VEL 11.770 PTH 2.08 VHP 5.860 DPA 5.75 RAP 152.80 ECC 1.2823
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 36 52 1499.59 1.78 359.88 38.83 118.27 11 1 52 899.6 5.55 353.23
 90.00 16 55 20 5501.20 28.31 254.96 45.49 89.28 18 27 1 4901.2 27.91 246.31
 100.00 11 45 23 1278.49 .47 342.90 38.10 119.89 12 6 41 678.5 4.45 336.37
 100.00 18 29 30 5197.53 29.81 232.57 45.44 87.62 19 56 7 4597.5 29.16 223.83
 110.00 12 26 8 1150.78 -2.75 331.21 36.08 124.09 12 45 19 550.8 1.74 325.00
 110.00 20 5 14 4898.00 33.59 209.47 45.09 83.28 21 26 52 4298.0 32.30 202.47

DIFFERENTIAL CORRECTIONS

TOE-2.4558 TRA 2.9016 TC3-3.6564 BAU .8411
 RDE .0964 RRA .2916 RC3 -.2887 FAU .04216
 FDE-2.2792 FRA 2.8009 FC3-2.1280 BSP 19987
 BOE 2.4577 BRA 2.9162 BC3 3.6678 FSP -1618

MID-COURSE EXECUTION ACCURACY

SGT 6242.4 SGR 509.3 SG3 473.7
 RRT .6625 RRF .6347 RTF .9838
 SGB 6263.2 R23 -.0260 R13 .9837
 SG1 6251.6 SG2 380.9 TMA 3.11

ORBIT DETERMINATION ACCURACY

ST 3632.3 SR 185.5 SS 1715.0
 CRT -.4261 CRS .4146 CST -.9999
 LSA 4017.5 MSA 169.1 SSA 15.6
 EL1 3633.1 EL2 167.8 ALF 178.75

LAUNCH DATE MAY 16 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 566.017

RL 151.25 LAL -1.00 LOL 234.46 VL 26.786 GAL 6.96 AZL 92.90 HCA 258.90 SMA 127.93 ECC .21775 INC 2.9006 V1 29.45H
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.845 GAP 8.61 AZP 89.44 TAL 153.17 TAP 52.07 RCA 100.07 APO 155.78 V2 35.259
 RC 132.447 GL -18.24 GP -7.93 ZAL 48.05 ZAP 157.80 ETS 340.75 ZAE 125.44 ETE 186.15 ZAC 112.40 ETC 12.89 CLP-159.20

PLANETOCENTRIC CONIC

C3 18.484 VHL 4.299 OLA -20.33 RAL 180.90 RAD 6567.7 VEL 11.826 PTH 2.09 VHP 6.111 DPA 5.64 RAP 154.47 ECC 1.3042
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 45 43 1503.86 1.64 .12 41.30 118.27 11 10 47 903.9 5.41 353.47
 90.00 16 57 4 5531.68 28.31 257.19 48.28 90.40 18 29 16 4931.7 28.07 248.53
 100.00 11 53 51 1284.00 .29 343.21 40.54 119.89 12 15 15 684.0 4.26 336.67
 100.00 18 31 37 5226.77 29.87 234.74 48.27 88.76 19 58 44 4626.8 29.38 225.97
 110.00 12 33 53 1158.54 -3.05 331.61 38.46 124.06 12 53 11 558.5 1.44 325.41
 110.00 20 8 5 4925.00 33.79 211.55 48.00 84.50 21 30 10 4325.0 32.66 202.50

DIFFERENTIAL CORRECTIONS

TOE-2.5717 TRA 3.1106 TC3-3.4265 BAU .8490
 RDE .1225 RRA .2852 RC3 -.2526 FAU .03779
 FDE-2.1887 FRA 2.7510 FC3-1.7702 BSP 20221
 BOE 2.5747 BRA 3.1236 BC3 3.4358 FSP -1507

MID-COURSE EXECUTION ACCURACY

SGT 6322.4 SGR 488.0 SG3 441.5
 RRT .6069 RRF .5772 RTF .9833
 SGB 6341.2 R23 -.0274 R13 .9832
 SG1 6329.3 SG2 387.5 TMA 2.69

ORBIT DETERMINATION ACCURACY

ST 3676.1 SR 203.7 SS 1660.2
 CRT -.5312 CRS .5204 CST -.9999
 LSA 4035.0 MSA 173.8 SSA 15.3
 EL1 3677.7 EL2 172.5 ALF 178.31

LAUNCH DATE MAY 16 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 571.831

RL 151.25 LAL -1.00 LOL 234.46 VL 26.761 GAL 7.36 AZL 92.97 HCA 262.15 SMA 127.77 ECC .22284 INC 2.9744 V1 29.45H
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.827 GAP 9.11 AZP 89.59 TAL 152.26 TAP 54.40 RCA 99.29 APO 156.24 V2 35.25H
 RC 134.624 GL -17.95 GP -7.52 ZAL 46.78 ZAP 159.40 ETS 340.06 ZAE 124.86 ETE 185.80 ZAC 110.69 ETC 13.04 CLP-160.77

PLANETOCENTRIC CONIC

C3 19.967 VHL 4.468 OLA -20.59 RAL 182.23 RAD 6567.8 VEL 11.889 PTH 2.11 VHP 6.375 DPA 5.45 RAP 156.17 ECC 1.3286
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 54 5 1510.93 1.42 .52 43.82 118.28 11 19 16 910.9 5.19 353.86
 90.00 16 59 21 5561.08 28.28 259.34 51.13 91.48 18 32 2 4961.1 28.19 250.67
 100.00 12 1 52 1292.16 .01 343.65 43.04 119.89 12 23 24 692.2 3.99 337.12
 100.00 18 34 14 5255.08 29.89 236.85 51.15 89.87 20 1 49 4655.1 29.55 228.06
 110.00 12 41 17 1168.64 -3.43 332.14 40.89 124.03 13 0 45 568.6 1.06 325.94
 110.00 20 11 19 4951.37 33.94 213.60 50.96 85.70 21 33 50 4351.4 32.98 204.49

DIFFERENTIAL CORRECTIONS

TOE-2.6925 TRA 3.3289 TC3-3.2030 BAU .8570
 ROE .1484 RRA .2787 RC3 -.2210 FAU .03393
 FDE-2.1072 FRA 2.7037 FC3-1.4711 BSP 2051H
 BDE 2.6966 BRA 3.3405 BC3 3.2106 FSP -1411

MID-COURSE EXECUTION ACCURACY

SGT 6395.7 SGR 470.0 SG3 412.1
 RRT .5485 RRF .5171 RTF .9828
 SGB 6412.9 R23 -.0287 R13 .9828
 SG1 6400.9 SG2 392.7 THA 2.32

ORBIT DETERMINATION ACCURACY

ST 3714.5 SR 222.2 SS 1609.3
 CRT -.6057 CRS .5957 CST -.9999
 LSA 4050.4 MSA 177.9 SSA 15.1
 EL1 3717.0 EL2 176.7 ALF 177.92

LAUNCH DATE MAY 16 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 577.596

RL 151.25 LAL -1.00 LOL 234.46 VL 26.736 GAL 7.80 AZL 93.05 HCA 265.39 SMA 127.60 ECC .22833 INC 3.0471 V1 29.45H
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.807 GAP 9.63 AZP 89.76 TAL 151.34 TAP 56.73 RCA 98.47 APO 156.74 V2 35.256
 RC 136.791 GL -17.63 GP -7.14 ZAL 45.52 ZAP 160.94 ETS 339.25 ZAE 124.33 ETE 185.50 ZAC 108.93 ETC 13.16 CLP-162.28

PLANETOCENTRIC CONIC

C3 21.625 VHL 4.650 OLA -20.81 RAL 183.56 RAD 6567.9 VEL 11.958 PTH 2.13 VHP 6.653 DPA 5.18 RAP 157.92 ECC 1.3559
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 1 56 1520.74 1.10 1.06 46.38 118.30 11 27 17 920.7 4.87 354.42
 90.00 17 2 7 5589.49 28.21 261.41 54.02 92.51 18 35 17 4989.5 28.27 252.75
 100.00 12 9 26 1302.90 -.36 344.24 45.57 119.89 12 31 9 702.9 3.62 337.72
 100.00 18 37 18 5282.57 29.88 238.89 54.08 90.94 20 5 21 4682.6 29.69 230.09
 110.00 12 48 20 1181.01 -3.90 332.79 43.36 123.99 13 8 1 581.0 .58 326.58
 110.00 20 14 54 4977.22 34.06 215.61 53.98 86.88 21 37 51 4377.2 33.25 206.46

DIFFERENTIAL CORRECTIONS

TOE-2.8144 TRA 3.5614 TC3-2.9789 BAU .8630
 ROE .1745 RRA .2720 RC3 -.1926 FAU .03032
 FDE-2.0301 FRA 2.6628 FC3-1.2140 BSP 20781
 BDE 2.8198 BRA 3.5218 BC3 2.9851 FSP -1322

MID-COURSE EXECUTION ACCURACY

SGT 6460.3 SGR 454.7 SG3 384.9
 RRT .4880 RRF .4555 RTF .9824
 SGB 6476.3 R23 -.0296 R13 .9824
 SG1 6464.1 SG2 396.7 THA 1.97

ORBIT DETERMINATION ACCURACY

ST 3743.6 SR 240.4 SS 1560.0
 CRT -.6594 CRS .6502 CST -.9999
 LSA 4058.7 MSA 181.7 SSA 14.8
 EL1 3747.0 EL2 180.6 ALF 177.57

LAUNCH DATE MAY 16 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC

DISTANCE 583.307

RL 151.25 LAL -1.00 LOL 234.46 VL 26.711 GAL 8.27 AZL 93.12 HCA 268.64 SMA 127.43 ECC .23425 INC 3.1191 V1 29.45H
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.787 GAP 10.16 AZP 89.93 TAL 150.41 TAP 59.05 RCA 97.58 APO 157.29 V2 35.254
 RC 138.949 GL -17.27 GP -6.81 ZAL 44.27 ZAP 162.41 ETS 358.30 ZAE 123.84 ETE 185.22 ZAC 107.12 ETC 13.25 CLP-165.74

PLANETOCENTRIC CONIC

C3 23.482 VHL 4.846 OLA -20.98 RAL 184.89 RAD 6568.0 VEL 12.036 PTH 2.15 VHP 6.944 DPA 4.85 RAP 159.71 ECC 1.3865
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 9 17 1533.23 .70 1.76 48.97 118.31 11 34 50 933.2 4.47 355.12
 90.00 17 5 21 5617.01 28.12 263.42 56.95 93.52 18 38 58 5017.0 28.31 254.76
 100.00 12 16 33 1316.15 -.81 344.97 48.13 119.88 12 38 29 716.2 3.18 338.45
 100.00 18 40 46 5309.32 29.83 240.88 57.04 91.99 20 9 15 4709.3 29.79 232.07
 110.00 12 55 1 1195.60 -4.46 333.55 45.86 123.93 13 14 56 595.6 .03 327.34
 110.00 20 18 48 5002.64 34.13 217.59 57.05 88.05 21 42 10 4402.6 33.49 208.40

DIFFERENTIAL CORRECTIONS

TOE-2.9380 TRA 3.8090 TC3-2.7558 BAU .8667
 ROE .2007 RRA .2649 RC3 -.1671 FAU .02696
 FDE-1.9576 FRA 2.6274 FC3 -.9942 BSP 21017
 BDE 2.9449 BRA 3.8181 BC3 2.7609 FSP -1239

MID-COURSE EXECUTION ACCURACY

SGT 6516.6 SGR 441.7 SG3 359.9
 RRT .4259 RRF .3927 RTF .9821
 SGB 6531.6 R23 -.0300 R13 .9820
 SG1 6519.3 SG2 399.4 THA 1.66

ORBIT DETERMINATION ACCURACY

ST 3764.1 SR 257.8 SS 1512.4
 CRT -.6991 CRS .6905 CST -.9999
 LSA 4060.5 MSA 185.2 SSA 14.5
 EL1 3768.4 EL2 184.1 ALF 177.25

LAUNCH DATE MAY 16 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC

DISTANCE 588.958

RL 151.25 LAL -1.00 LOL 234.46 VL 26.685 GAL 8.76 AZL 93.19 HCA 271.89 SMA 127.27 ECC .24064 INC 3.1909 V1 29.45H
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.766 GAP 10.72 AZP 90.11 TAL 149.48 TAP 61.37 RCA 96.64 APO 157.89 V2 35.251
 RC 141.095 GL -16.88 GP -6.50 ZAL 43.03 ZAP 163.82 ETS 337.17 ZAE 123.37 ETE 184.98 ZAC 105.28 ETC 13.32 CLP-165.15

PLANETOCENTRIC CONIC

C3 25.568 VHL 5.056 OLA -21.11 RAL 186.20 RAD 6568.0 VEL 12.122 PTH 2.17 VHP 7.252 DPA 4.45 RAP 161.52 ECC 1.420H
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 16 7 1548.34 .21 2.60 51.59 118.32 11 41 55 948.3 3.99 355.96
 90.00 17 9 0 5643.72 27.99 265.36 59.92 94.48 18 43 4 5043.7 28.32 256.71
 100.00 12 23 12 1331.86 -1.34 345.83 50.73 119.87 12 45 23 731.9 2.65 339.31
 100.00 18 44 36 5335.43 29.75 242.81 60.05 93.01 20 13 32 4735.4 29.85 234.01
 110.00 13 1 19 1212.35 -5.09 334.43 48.39 123.85 13 21 32 612.4 -.61 328.21
 110.00 20 22 58 5027.71 34.18 219.54 60.15 89.21 21 46 46 4427.7 33.69 210.33

DIFFERENTIAL CORRECTIONS

TOE-3.0607 TRA 4.0764 TC3-2.5300 BAU .8662
 ROE .2275 RRA .2572 RC3 -.1441 FAU .02370
 FDE-1.8869 FRA 2.6001 FC3 -.8024 BSP 21144
 BDE 3.0691 BRA 4.0846 BC3 2.5341 FSP -1157

MID-COURSE EXECUTION ACCURACY

SGT 6564.3 SGR 430.5 SG3 336.9
 RRT .3631 RRF .3300 RTF .9818
 SGB 6578.4 R23 -.0298 R13 .9817
 SG1 6566.2 SG2 401.0 THA 1.37

ORBIT DETERMINATION ACCURACY

ST 3773.6 SR 274.3 SS 1465.3
 CRT -.7288 CRS .7205 CST -.9999
 LSA 4053.0 MSA 188.6 SSA 14.2
 EL1 3778.0 EL2 187.6 ALF 176.96

LAUNCH DATE MAY 16 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC

DISTANCE 594.541

RL 151.25 LAL -.00 LOL 234.46 VL 26.659 GAL 9.30 AZL 93.26 HCA 275.13 SMA 127.10 ECC .24753 INC 3.2630 V1 29.45H
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.744 GAP 11.31 AZP 90.29 TAL 148.55 TAP 63.68 RCA 95.64 APO 158.56 V2 35.247
 RC 143.232 GL -16.46 GP -6.23 ZAL 41.82 ZAP 165.18 ETS 335.84 ZAE 122.94 ETE 184.76 ZAC 103.40 ETC 13.38 CLP-166.52

PLANETOCENTRIC CONIC

C3 27.917 VHL 5.284 OLA -21.20 RAL 187.50 RAD 6568.1 VEL 12.219 PTH 2.20 VHP 7.577 DPA 4.01 RAP 163.35 ECC 1.4594
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 22 25 1566.01 -.36 3.59 54.23 118.31 11 48 31 966.0 3.43 356.95
 90.00 17 13 2 5669.68 27.84 267.25 62.92 95.42 18 47 31 5069.7 28.30 258.61
 100.00 12 29 22 1349.96 -1.95 346.82 53.34 119.83 12 51 52 750.0 2.03 340.30
 100.00 18 48 46 5360.96 29.65 244.71 63.09 94.00 20 18 7 4761.0 29.89 235.91
 110.00 13 7 15 1231.20 -5.81 335.43 50.95 123.75 13 27 47 631.2 -1.33 329.20
 110.00 20 27 22 5052.48 34.18 221.48 63.30 90.35 21 51 35 4452.5 33.85 212.25

DIFFERENTIAL CORRECTIONS

TDE-3.1912 TRA 4.3565 TC3-2.3158 BAU .8655
 RDE .2544 RRA .2486 RC3 -.1237 FAU .02081
 FDE-1.8249 FRA 2.5746 FC3 -.6453 BSP 21357
 BDE 3.2014 BRA 4.3636 BC3 2.3191 FSP -1087

MID-COURSE EXECUTION ACCURACY

SGT 6606.2 SGR 420.5 SG3 315.7
 RRT .2989 RRF .2663 RTF .9816
 SGB 6619.5 R23 -.0296 R13 .9815
 SGI 6607.4 SG2 401.2 THA 1.09

ORBIT DETERMINATION ACCURACY

ST 3780.5 SR .289.2 SS 1422.8
 CRT -.7523 CRS .7444 CST -.9999
 LSA 4045.1 MSA 191.2 SSA 13.9
 EL1 3786.7 EL2 190.2 ALF 176.70

LAUNCH DATE MAY 16 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 18 1967

HELIOCENTRIC CONIC

DISTANCE 600.047

RL 151.25 LAL -.00 LOL 234.46 VL 26.633 GAL 9.87 AZL 93.34 HCA 278.38 SMA 126.93 ECC .25499 INC 3.3358 V1 29.45H
 RP 107.53 LAP 3.30 LOP 152.85 VP 37.722 GAP 11.92 AZP 90.49 TAL 147.63 TAP 66.00 RCA 94.56 APO 159.30 V2 35.243
 RC 145.356 GL -16.03 GP -5.98 ZAL 40.64 ZAP 166.49 ETS 334.24 ZAE 122.52 ETE 184.55 ZAC 101.50 ETC 13.43 CLP-167.86

PLANETOCENTRIC CONIC

C3 30.570 VHL 5.529 OLA -21.26 RAL 188.77 RAD 6568.2 VEL 12.327 PTH 2.22 VHP 7.921 DPA 3.51 RAP 165.21 ECC 1.5031
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 28 12 1586.16 -1.01 4.71 56.88 118.30 11 54 39 986.2 2.78 358.08
 90.00 17 17 24 5694.95 27.66 269.07 65.95 96.32 18 52 19 5095.0 28.25 260.46
 100.00 12 35 4 1370.38 -2.64 347.95 55.98 119.79 12 57 54 770.4 1.34 341.42
 100.00 18 53 13 5385.97 29.52 246.55 66.16 94.96 20 22 59 4786.0 29.89 237.77
 110.00 13 12 48 1252.08 -6.60 336.53 53.53 123.62 13 33 41 652.1 -2.13 330.29
 110.00 20 31 58 5077.02 34.15 223.40 66.47 91.49 21 56 35 4477.0 33.98 214.15

DIFFERENTIAL CORRECTIONS

TDE-3.3251 TRA 4.6559 TC3-2.1057 BAU .8617
 RDE .2818 RRA .2388 RC3 -.1055 FAU .01807
 FDE-1.7671 FRA 2.5547 FC3 -.5118 BSP 21535
 BDE 3.3370 BRA 4.6620 BC3 2.1083 FSP -1022

MID-COURSE EXECUTION ACCURACY

SGT 6640.6 SGR 411.6 SG3 296.1
 RRT .2342 RRF .2025 RTF .9815
 SGB 6653.4 R23 -.0290 R13 .9814
 SGI 6641.3 SG2 400.1 THA .83

ORBIT DETERMINATION ACCURACY

ST 3780.2 SR 302.7 SS 1382.4
 CRT -.7710 CRS .7634 CST -.9999
 LSA 4031.8 MSA 193.4 SSA 13.6
 EL1 3787.5 EL2 192.4 ALF 176.46

LAUNCH DATE MAY 16 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 20 1967

HELIOCENTRIC CONIC

DISTANCE 605.466

RL 151.25 LAL -.00 LOL 234.46 VL 26.607 GAL 10.49 AZL 93.41 HCA 281.62 SMA 126.76 ECC .26308 INC 3.4098 V1 29.45H
 RP 107.54 LAP 3.34 LOP 156.10 VP 37.698 GAP 12.56 AZP 90.69 TAL 146.71 TAP 68.33 RCA 93.41 APO 160.11 V2 35.237
 RC 147.469 GL -15.58 GP -5.76 ZAL 39.48 ZAP 167.75 ETS 332.30 ZAE 122.12 ETE 184.36 ZAC 99.58 ETC 13.47 CLP-169.17

PLANETOCENTRIC CONIC

C3 33.575 VHL 5.794 OLA -21.28 RAL 190.02 RAD 6568.3 VEL 12.448 PTH 2.25 VHP 8.288 DPA 2.98 RAP 167.07 ECC 1.5526
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 33 28 1608.69 -1.74 5.97 59.55 118.27 12 0 16 1008.7 2.05 359.34
 90.00 17 22 5 5719.60 27.46 270.85 69.01 97.19 18 57 24 5119.6 28.17 262.26
 100.00 12 40 17 1393.05 -3.41 349.19 58.63 119.72 13 3 30 793.0 .57 342.67
 100.00 18 57 56 5410.50 29.36 248.36 69.25 95.90 20 28 7 4810.5 29.86 239.59
 110.00 13 17 58 1274.94 -7.46 337.74 56.13 123.46 13 39 13 674.9 -3.01 331.48
 110.00 20 36 45 5101.37 34.10 225.29 69.67 92.61 22 1 46 4501.4 34.08 216.05

DIFFERENTIAL CORRECTIONS

TDE-3.4638 TRA 4.9755 TC3-1.9019 BAU .8547
 RDE .3097 RRA .2278 RC3 -.0893 FAU .01550
 FDE-1.7139 FRA 2.5400 FC3 -.3997 BSP 21689
 BDE 3.4776 BRA 4.9808 BC3 1.9040 FSP -961

MID-COURSE EXECUTION ACCURACY

SGT 6668.4 SGR 403.6 SG3 278.0
 RRT .1691 RRF .1389 RTF .9815
 SGB 6680.6 R23 -.0281 R13 .9814
 SGI 6668.8 SG2 397.8 THA .59

ORBIT DETERMINATION ACCURACY

ST 3774.2 SR 314.8 SS 1344.7
 CRT -.7862 CRS .7789 CST -.9999
 LSA 4014.1 MSA 195.0 SSA 13.3
 EL1 3782.3 EL2 194.1 ALF 176.24

LAUNCH DATE MAY 16 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 22 1967

HELIOCENTRIC CONIC

DISTANCE 610.784

RL 151.25 LAL -.00 LOL 234.46 VL 26.581 GAL 11.15 AZL 93.49 HCA 284.86 SMA 126.59 ECC .27186 INC 3.4855 V1 29.45H
 RP 107.56 LAP 3.37 LOP 159.35 VP 37.674 GAP 13.24 AZP 90.90 TAL 145.81 TAP 70.68 RCA 92.18 APO 161.01 V2 35.231
 RC 149.570 GL -15.11 GP -5.55 ZAL 38.35 ZAP 168.98 ETS 329.93 ZAE 121.73 ETE 184.19 ZAC 97.64 ETC 13.51 CLP-170.46

PLANETOCENTRIC CONIC

C3 36.991 VHL 6.082 OLA -21.28 RAL 191.23 RAD 6568.4 VEL 12.584 PTH 2.28 VHP 8.679 DPA 2.41 RAP 168.94 ECC 1.6088
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 38 11 1633.60 -2.54 7.36 62.23 118.21 12 5 25 1033.6 1.25 .73
 90.00 17 27 2 5743.64 27.25 272.58 72.07 98.03 19 2 46 5143.6 28.08 264.01
 100.00 12 45 1 1417.89 -4.25 350.56 61.29 119.62 13 8 39 817.9 -.27 344.03
 100.00 19 2 53 5434.59 29.18 250.13 72.36 96.81 20 33 27 4834.6 29.81 241.38
 110.00 13 22 44 1299.71 -8.38 339.06 68.75 123.26 13 44 23 699.7 -3.95 332.78
 110.00 20 41 40 5125.53 34.00 227.18 72.88 93.72 22 7 5 4525.5 34.15 217.93

DIFFERENTIAL CORRECTIONS

TDE-3.6076 TRA 5.3181 TC3-1.7043 BAU .8437
 RDE .3383 RRA .2152 RC3 -.0749 FAU .01306
 FDE-1.6649 FRA 2.5307 FC3 -.3057 BSP 21818
 BDE 3.6235 BRA 5.3224 BC3 1.7060 FSP -904

MID-COURSE EXECUTION ACCURACY

SGT 6689.8 SGR 396.4 SG3 261.3
 RRT .1039 RRF .0756 RTF .9816
 SGB 6701.5 R23 -.0268 R13 .9816
 SGI 6689.9 SG2 394.3 THA .35

ORBIT DETERMINATION ACCURACY

ST 3762.4 SR 325.3 SS 1309.4
 CRT -.7988 CRS .7917 CST -.9999
 LSA 3992.2 MSA 196.1 SSA 13.0
 EL1 3771.4 EL2 195.2 ALF 176.04

LAUNCH DATE MAY 17 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 26 1967

HELIOCENTRIC CONIC

DISTANCE 137.526

RL 151.28 LAL -.00 LOL 235.42 VL 17.762 GAL 16.18 AZL 91.97 MCA 45.23 SMA 92.22 ECC .67517 INC 1.9655 V1 29.452
 RP 108.84 LAP -1.40 LOP 280.64 VP 31.617 GAP -41.42 A7P 91.38 TAL 171.81 TAP 217.04 RCA 29.96 APO 154.49 V2 34.817
 RC 64.892 GL -2.53 GP 1.70 ZAL 69.73 ZAP 27.90 ETS 185.31 ZAE 147.05 ETE 168.84 ZAC 134.41 ETC 24.01 CLP 27.86

PLANETOCENTRIC CONIC

C3 175.129 VML 13.234 OLA 3.30 RAL 165.87 RAD 6570.9 VEL 17.218 PTH 2.94 VHP 23.802 OPA 22.39 RAP 132.08 ECC 3.8822
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 23 59 2814.21 -28.23 82.86 64.89 92.29 7 10 53 2214.2 -27.62 74.25
 90.00 19 11 0 5253.58 26.78 237.04 61.53 80.45 20 38 33 4655.6 25.19 228.73
 100.00 7 46 52 2546.87 -29.79 63.12 64.81 92.64 8 29 19 1946.9 -29.10 54.39
 100.00 20 30 48 4996.15 28.32 217.81 61.23 80.00 21 54 4 4396.1 26.65 209.40
 110.00 8 58 39 2322.21 -34.01 45.80 64.54 93.62 9 37 21 1722.2 -33.14 36.67
 110.00 21 35 31 4793.57 32.48 201.53 60.33 78.70 22 55 24 4193.6 30.58 192.82

DIFFERENTIAL CORRECTIONS

TOE .6592 TRA-1.6177 TC3 -.1064 BAU .2526
 ROE -.9221 RRA -.4853 RC3 .0180 FAU .01356
 FDE -.3227 FRA .6078 FC3 -.0671 BSP 2107
 BDE 1.1335 BRA 1.6889 BC3 .1079 FSP -62

MID-COURSE EXECUTION ACCURACY

SGT 808.0 SGR 453.8 SG3 30.0
 RRT .0553 RRF -.0518 RTF -.6233
 SGB 926.7 R23 -.0016 R13 -.6235
 SG1 808.6 SG2 452.8 TMA 2.59

ORBIT DETERMINATION ACCURACY

ST 354.7 SR 404.2 SS 330.3
 CRT -.7021 CRS -.7821 CST .9911
 LSA 589.7 MSA 224.4 SSA 13.9
 EL1 497.0 EL2 205.4 ALF 129.72

LAUNCH DATE MAY 17 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 28 1967

HELIOCENTRIC CONIC

DISTANCE 143.444

RL 151.28 LAL -.00 LOL 235.42 VL 18.444 GAL 15.53 AZL 92.09 MCA 48.40 SMA 93.83 ECC .64779 INC 2.0917 V1 29.452
 RP 108.86 LAP -1.56 LOP 283.80 VP 31.998 GAP -39.49 A7P 91.39 TAL 171.12 TAP 219.51 RCA 33.05 APO 154.62 V2 34.810
 RC 62.843 GL -2.96 GP 1.76 ZAL 68.66 ZAP 26.39 ETS 185.55 ZAE 147.75 ETE 167.68 ZAC 132.86 ETC 23.35 CLP 26.33

PLANETOCENTRIC CONIC

C3 158.008 VML 12.570 OLA 2.49 RAL 166.70 RAD 6570.7 VEL 16.713 PTH 2.90 VHP 22.835 OPA 22.05 RAP 133.82 ECC 3.6004
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 33 20 2771.45 -28.08 79.74 63.93 93.85 7 19 31 2171.4 -27.25 71.18
 90.00 19 8 17 5261.12 26.87 237.57 61.42 80.71 20 35 59 4661.1 25.31 229.25
 100.00 7 55 50 2505.34 -29.62 60.05 63.81 94.25 8 37 35 1905.3 -28.71 51.36
 100.00 20 28 28 5002.46 28.39 218.26 61.13 80.23 21 51 51 4402.5 26.75 209.85
 110.00 9 6 44 2283.40 -33.81 42.79 63.40 95.39 9 44 48 1683.4 -32.69 33.73
 110.00 21 34 3 4797.16 32.53 201.79 60.25 78.86 22 54 1 4197.2 30.65 193.08

DIFFERENTIAL CORRECTIONS

TOE .6589 TRA-1.6193 TC3 -.1121 BAU .2409
 ROE -.8828 RRA -.4701 RC3 .0209 FAU .01377
 FDE -.3382 FRA .6287 FC3 -.0755 BSP 2209
 BDE 1.1016 BRA 1.6861 BC3 .1140 FSP -69

MID-COURSE EXECUTION ACCURACY

SGT 845.8 SGR 459.0 SG3 32.6
 RRT .0587 RRF -.0549 RTF -.6423
 SGB 962.3 R23 -.0016 R13 -.6426
 SG1 846.4 SG2 457.9 TMA 2.58

ORBIT DETERMINATION ACCURACY

ST 373.3 SR 407.5 SS 348.5
 CRT -.7007 CRS -.7847 CST .9905
 LSA 611.4 MSA 230.0 SSA 14.1
 EL1 510.0 EL2 212.8 ALF 131.43

LAUNCH DATE MAY 17 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 30 1967

HELIOCENTRIC CONIC

DISTANCE 149.448

RL 151.28 LAL -.00 LOL 235.42 VL 19.081 GAL 14.89 AZL 92.21 MCA 51.56 SMA 95.45 ECC .62103 INC 2.2062 V1 29.452
 RP 108.88 LAP -1.73 LOP 286.96 VP 32.363 GAP -37.66 A7P 91.37 TAL 170.44 TAP 222.01 RCA 36.17 APO 154.72 V2 34.805
 RC 60.850 GL -3.41 GP 1.81 ZAL 67.66 ZAP 24.89 ETS 185.84 ZAE 148.55 ETE 166.38 ZAC 131.29 ETC 22.73 CLP 24.83

PLANETOCENTRIC CONIC

C3 142.634 VML 11.943 OLA 1.68 RAL 167.46 RAD 6570.5 VEL 16.247 PTH 2.85 VHP 21.904 OPA 21.69 RAP 135.56 ECC 3.3474
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 42 23 2727.88 -27.84 76.58 62.86 95.42 7 27 51 2127.9 -26.79 68.07
 90.00 19 5 19 5267.78 26.94 238.05 61.18 80.93 20 33 7 4667.8 25.41 229.71
 100.00 8 4 31 2462.99 -29.36 56.93 62.69 95.87 8 45 34 1863.0 -28.24 48.30
 100.00 20 25 53 5007.91 28.45 218.66 60.90 80.43 21 49 21 4407.9 26.84 210.23
 110.00 9 14 33 2243.77 -33.51 39.73 62.13 97.18 9 51 57 1643.8 -32.16 30.76
 110.00 21 32 20 4799.89 32.56 202.00 60.03 78.97 22 52 20 4199.9 30.70 193.28

DIFFERENTIAL CORRECTIONS

TOE .6608 TRA-1.6181 TC3 -.1168 BAU .2276
 ROE -.8439 RRA -.4545 RC3 .0243 FAU .01402
 FDE -.3545 FRA .6495 FC3 -.0851 BSP 2372
 BDE 1.0719 BRA 1.6807 BC3 .1193 FSP -76

MID-COURSE EXECUTION ACCURACY

SGT 884.0 SGR 463.5 SG3 35.4
 RRT .0607 RRF -.0576 RTF -.6616
 SGB 998.2 R23 -.0023 R13 -.6618
 SG1 884.6 SG2 462.3 TMA 2.51

ORBIT DETERMINATION ACCURACY

ST 393.5 SR 410.1 SS 367.5
 CRT -.7009 CRS -.7876 CST .9901
 LSA 634.7 MSA 234.7 SSA 14.3
 EL1 524.3 EL2 219.6 ALF 133.31

LAUNCH DATE MAY 17 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 1 1967

HELIOCENTRIC CONIC

DISTANCE 155.532

RL 151.28 LAL -.00 LOL 235.42 VL 19.675 GAL 14.27 AZL 92.31 MCA 54.72 SMA 97.05 ECC .59497 INC 2.3110 V1 29.452
 RP 108.90 LAP -1.89 LOP 290.13 VP 32.712 GAP -35.92 A7P 91.33 TAL 169.79 TAP 224.52 RCA 39.31 APO 154.80 V2 34.800
 RC 58.919 GL -3.88 GP 1.88 ZAL 66.72 ZAP 23.41 ETS 186.19 ZAE 149.46 ETE 164.92 ZAC 129.70 ETC 22.14 CLP 23.34

PLANETOCENTRIC CONIC

C3 128.819 VML 11.350 OLA .87 RAL 168.15 RAD 6570.4 VEL 15.816 PTH 2.80 VHP 21.007 OPA 21.32 RAP 137.32 ECC 3.1200
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 51 9 2683.49 -27.51 73.37 61.66 96.99 7 35 53 2083.5 -26.25 64.93
 90.00 19 2 4 5273.64 27.00 238.46 60.81 81.13 20 29 58 4673.6 25.50 230.12
 100.00 8 12 54 2419.81 -29.02 53.76 61.45 97.50 8 53 14 1819.8 -27.68 45.22
 100.00 20 23 1 5012.55 28.51 218.99 60.53 80.60 21 46 33 4412.6 26.91 210.55
 110.00 9 22 4 2203.29 -33.12 36.63 60.75 98.97 9 58 48 1603.3 -31.53 27.77
 110.00 21 30 20 4801.83 32.59 202.15 59.68 79.06 22 50 21 4201.8 30.74 193.42

DIFFERENTIAL CORRECTIONS

TOE .6627 TRA-1.6164 TC3 -.1212 BAU .2141
 ROE -.8055 RRA -.4385 RC3 .0280 FAU .01429
 FDE -.3714 FRA .6706 FC3 -.0960 BSP 2534
 BDE 1.0431 BRA 1.6748 BC3 .1243 FSP -84

MID-COURSE EXECUTION ACCURACY

SGT 923.9 SGR 467.3 SG3 38.4
 RRT .0629 RRF -.0603 RTF -.6801
 SGB 1035.3 R23 -.0031 R13 -.6803
 SG1 924.5 SG2 466.1 TMA 2.44

ORBIT DETERMINATION ACCURACY

ST 414.6 SR 412.0 SS 387.2
 CRT -.7012 CRS -.7905 CST .9896
 LSA 659.0 MSA 239.1 SSA 14.5
 EL1 539.1 EL2 225.9 ALF 135.26

LAUNCH DATE MAY 17 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 3 1967

HELIOCENTRIC CONIC

DISTANCE 161.693

RL 151.28 LAL -0.00 LOL 235.42 VL 20.230 GAL 13.66 AZL 92.41 MCA 57.89 SMA 98.65 ECC .56967 INC 2.4079 V1 29.452
 RP 108.91 LAP -2.04 LOP 293.29 VP 33.044 GAP -34.27 AZP 91.28 TAL 169.16 TAP 227.05 RCA 42.45 APO 154.85 V2 34.795
 RC 57.057 GL -4.39 GP 1.94 ZAL 65.84 ZAP 21.95 ETS 186.59 ZAE 150.48 ETE 163.26 ZAC 128.09 ETC 21.58 CLP 21.87

PLANETOCENTRIC CONIC

C3 116.394 VHL 10.789 DLA .06 RAL 168.77 RAD 6570.2 VEL 15.419 PTH 2.76 VMP 20.142 DPA 20.94 RAP 139.09 ECC 2.9156
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 59 39 2638.25 -27.09 70.13 60.36 98.57 7 43 38 2038.2 -25.63 61.76
 90.00 18 58 32 5278.77 27.06 238.83 60.31 81.31 20 26 30 4678.8 25.58 230.47
 100.00 8 21 1 2375.78 -28.59 50.56 60.10 99.14 9 0 37 1775.8 -27.03 42.11
 100.00 20 19 51 5016.47 28.55 219.27 60.04 80.74 21 43 27 4416.5 26.97 210.83
 110.00 9 29 20 2161.97 -32.64 33.51 59.27 100.77 10 5 22 1562.0 -30.81 24.76
 110.00 21 28 2 4803.04 32.60 202.24 59.20 79.11 22 48 5 4203.0 30.76 193.50

DIFFERENTIAL CORRECTIONS

TOE .6622 TRA-1.6161 TC3 -.1255 BAU .2016
 RDE -.7677 RRA -.4223 RC3 .0322 FAU .01457
 FDE -.3887 FRA .6921 FC3 -.1084 BSP 2649
 BDE 1.0139 BRA 1.6704 BC3 .1296 FSP -92

MID-COURSE EXECUTION ACCURACY

SGT 966.3 SGR 470.5 SG3 41.7
 RRT .0666 RRF -.0639 RTF -.6971
 SGB 1074.7 R23 -.0032 R13 -.6973
 SG1 966.9 SG2 469.1 TMA 2.43

ORBIT DETERMINATION ACCURACY

ST 435.9 SR 413.2 SS 407.5
 CRT -.6999 CRS -.7931 CST .9888
 LSA 683.7 MSA 243.3 SSA 14.8
 EL1 553.9 EL2 232.3 ALF 137.19

LAUNCH DATE MAY 17 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 5 1967

HELIOCENTRIC CONIC

DISTANCE 167.922

RL 151.28 LAL -0.00 LOL 235.42 VL 20.749 GAL 13.07 AZL 92.50 MCA 61.05 SMA 100.24 ECC .54519 INC 2.4982 V1 29.452
 RP 108.92 LAP -2.19 LOP 296.45 VP 33.360 GAP -32.70 AZP 91.21 TAL 168.56 TAP 229.61 RCA 45.59 APO 154.88 V2 34.792
 RC 55.270 GL -4.93 GP 2.02 ZAL 65.04 ZAP 20.50 ETS 187.08 ZAE 151.61 ETE 161.36 ZAC 126.46 ETC 21.05 CLP 20.41

PLANETOCENTRIC CONIC

C3 105.214 VHL 10.257 DLA -.76 RAL 169.32 RAD 6570.0 VEL 15.052 PTH 2.71 VMP 19.307 DPA 20.54 RAP 140.86 ECC 2.7316
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 7 53 2592.16 -26.58 66.85 58.95 100.14 7 51 5 1992.2 -24.91 58.58
 90.00 18 54 40 5283.27 27.10 239.15 59.68 81.47 20 22 43 4683.3 25.64 230.79
 100.00 8 28 53 2330.91 -28.06 47.33 58.65 100.76 9 7 44 1730.9 -26.29 38.98
 100.00 20 16 22 5019.75 28.59 219.51 59.42 80.86 21 40 1 4419.7 27.03 211.06
 110.00 9 36 19 2119.82 -32.06 30.35 57.69 102.55 10 11 39 1519.8 -30.00 21.75
 110.00 21 25 25 4803.60 32.61 202.28 58.59 79.13 22 45 28 4203.6 30.77 193.54

DIFFERENTIAL CORRECTIONS

TOE .6642 TRA-1.6124 TC3 -.1282 BAU .1877
 RDE -.7304 RRA -.4059 RC3 .0369 FAU .01490
 FDE -.4072 FRA .7136 FC3 -.1226 BSP 2825
 BDE .9873 BRA 1.6627 BC3 .1334 FSP -102

MID-COURSE EXECUTION ACCURACY

SGT 1009.1 SGR 472.9 SG3 45.2
 RRT .0691 RRF -.0672 RTF -.7143
 SGB 1114.4 R23 -.0040 R13 -.7146
 SG1 1009.7 SG2 471.4 TMA 2.37

ORBIT DETERMINATION ACCURACY

ST 459.0 SR 413.7 SS 428.9
 CRT -.7005 CRS -.7960 CST .9884
 LSA 710.5 MSA 246.5 SSA 14.9
 EL1 570.4 EL2 237.6 ALF 139.23

LAUNCH DATE MAY 17 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 7 1967

HELIOCENTRIC CONIC

DISTANCE 174.217

RL 151.28 LAL -0.00 LOL 235.42 VL 21.233 GAL 12.49 AZL 92.58 MCA 64.21 SMA 101.80 ECC .52156 INC 2.5833 V1 29.452
 RP 108.93 LAP -2.33 LOP 299.61 VP 33.660 GAP -31.21 AZP 91.12 TAL 167.99 TAP 232.20 RCA 48.71 APO 154.89 V2 34.789
 RC 53.566 GL -5.50 GP 2.10 ZAL 64.31 ZAP 19.07 ETS 187.67 ZAE 152.85 ETE 159.17 ZAC 124.82 ETC 20.55 CLP 18.96

PLANETOCENTRIC CONIC

C3 95.151 VHL 9.755 DLA -1.58 RAL 169.79 RAD 6569.9 VEL 14.714 PTH 2.66 VMP 18.502 DPA 20.12 RAP 142.63 ECC 2.5659
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 15 52 2545.21 -25.98 63.55 57.45 101.69 7 58 17 1945.2 -24.10 55.38
 90.00 18 50 28 5287.25 27.14 239.44 58.93 81.60 20 18 35 4687.2 25.70 231.06
 100.00 8 36 29 2285.19 -27.43 44.08 57.11 102.36 9 14 34 1685.2 -25.45 35.84
 100.00 20 12 33 5022.50 28.61 219.71 58.67 80.96 21 36 15 4422.5 27.07 211.25
 110.00 9 43 2 2076.85 -31.38 27.19 56.03 104.31 10 17 39 1476.9 -29.10 18.73
 110.00 21 22 28 4803.61 32.61 202.28 57.86 79.13 22 42 32 4203.6 30.77 193.54

DIFFERENTIAL CORRECTIONS

TOE .6662 TRA-1.6077 TC3 -.1299 BAU .1738
 RDE -.6938 RRA -.3894 RC3 .0422 FAU .01527
 FDE -.4267 FRA .7354 FC3 -.1390 BSP 3006
 BDE .9619 BRA 1.6542 BC3 .1366 FSP -113

MID-COURSE EXECUTION ACCURACY

SGT 1053.5 SGR 474.6 SG3 49.1
 RRT .0717 RRF -.0706 RTF -.7308
 SGB 1155.4 R23 -.0050 R13 -.7310
 SG1 1054.1 SG2 473.0 TMA 2.32

ORBIT DETERMINATION ACCURACY

ST 483.2 SR 413.3 SS 451.2
 CRT -.7012 CRS -.7990 CST .9879
 LSA 738.7 MSA 249.1 SSA 15.1
 EL1 587.9 EL2 242.2 ALF 141.31

LAUNCH DATE MAY 17 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC

DISTANCE 180.572

RL 151.28 LAL -0.00 LOL 235.42 VL 21.685 GAL 11.93 AZL 92.66 MCA 67.37 SMA 103.34 ECC .49880 INC 2.6638 V1 29.452
 RP 108.94 LAP -2.46 LOP 302.77 VP 33.945 GAP -29.77 AZP 91.03 TAL 167.45 TAP 234.82 RCA 51.79 APO 154.88 V2 34.786
 RC 51.953 GL -6.10 GP 2.19 ZAL 63.64 ZAP 17.65 ETS 188.39 ZAE 154.18 ETE 156.62 ZAC 123.16 ETC 20.08 CLP 17.51

PLANETOCENTRIC CONIC

C3 86.092 VHL 9.279 DLA -2.41 RAL 170.19 RAD 6569.7 VEL 14.403 PTH 2.62 VMP 17.724 DPA 19.70 RAP 144.40 ECC 2.4169
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 23 36 2497.43 -25.28 60.22 55.87 103.21 8 5 14 1897.4 -23.21 52.16
 90.00 18 45 54 5290.84 27.18 239.69 58.05 81.73 20 14 5 4690.8 25.75 231.31
 100.00 8 43 50 2238.66 -26.71 40.81 55.49 103.94 9 21 8 1638.7 -24.53 32.69
 100.00 20 8 22 5024.85 28.64 219.88 57.80 81.05 21 32 7 4424.8 27.11 211.41
 110.00 9 49 30 2033.08 -30.60 24.02 54.30 106.03 10 23 23 1433.1 -28.10 15.71
 110.00 21 19 11 4803.19 32.60 202.25 57.00 79.11 22 39 15 4203.2 30.76 193.51

DIFFERENTIAL CORRECTIONS

TOE .6658 TRA-1.6042 TC3 -.1314 BAU .1610
 RDE -.6579 RRA -.3730 RC3 .0480 FAU .01566
 FDE -.4469 FRA .7579 FC3 -.1575 BSP 3129
 BDE .9360 BRA 1.6470 BC3 .1399 FSP -124

MID-COURSE EXECUTION ACCURACY

SGT 1100.7 SGR 475.5 SG3 53.3
 RRT .0761 RRF -.0748 RTF -.7457
 SGB 1199.0 R23 -.0052 R13 -.7459
 SG1 1101.5 SG2 473.8 TMA 2.31

ORBIT DETERMINATION ACCURACY

ST 507.5 SR 412.1 SS 474.4
 CRT -.7003 CRS -.8018 CST .9871
 LSA 767.4 MSA 251.6 SSA 15.3
 EL1 605.5 EL2 246.6 ALF 143.34

LAUNCH DATE MAY 17 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 186.981

RL 151.28 LAL -.00 LOL 235.42 VL 22.108 GAL 11.38 AZL 92.74 HCA 70.53 SMA 104.85 ECC .47693 INC 2.7407 VI 29.452
 RP 108.94 LAP -2.58 LOP 305.94 VP 34.215 GAP -28.40 A7P 90.91 TAL 166.94 TAP 237.47 RCA 54.84 APO 154.85 V2 34.785
 RC 50.440 GL -6.74 GP 2.28 ZAL 63.06 ZAP 16.23 ETS 189.28 ZAE 155.60 ETE 153.62 ZAC 121.50 ETC 19.64 CLP 16.08

PLANETOCENTRIC CONIC

C3 77.937 VHL 8.828 OLA -3.25 RAL 170.51 RAD 6569.5 VEL 14.117 PTH 2.57 VHP 16.974 DPA 19.27 RAP 146.17 ECC 2.2826
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 31 7 2448.82 -24.48 56.88 54.21 104.70 8 11 56 1848.8 -22.22 48.94
 90.00 18 40 58 5294.19 27.21 239.93 57.07 81.84 20 9 12 4694.2 25.80 231.55
 100.00 8 50 57 2191.31 -25.89 37.53 53.79 105.48 9 27 28 1591.3 -23.52 29.53
 100.00 20 3 49 5026.93 28.66 220.03 56.82 81.13 21 27 36 4426.9 27.14 211.56
 110.00 9 55 43 1988.56 -29.72 20.85 52.50 107.72 10 28 51 1388.6 -27.01 12.71
 110.00 21 15 32 4802.45 32.60 202.19 56.03 79.08 22 35 35 4202.5 30.75 193.46

DIFFERENTIAL CORRECTIONS

TCE .6682 TRA-1.5969 TC3 -.1303 BAU .1472
 RDE -.6225 RRA -.3566 RC3 .0546 FAU .01611
 FDE -.4687 FRA .7804 FC3 -.1790 BSP 3319
 BDE .9133 BRA 1.6362 BC3 .1413 FSP -137

MID-COURSE EXECUTION ACCURACY

SGT 1148.3 SGR 475.7 SG3 57.9
 RRT .0792 RRF -.0789 RTF -.7608
 SGB 1242.9 R23 -.0063 R13 -.7610
 SGI 1149.0 SG2 473.9 TMA 2.26

ORBIT DETERMINATION ACCURACY

ST 533.9 SR 410.0 SS 499.0
 CRT -.7016 CRS -.8049 CST .9866
 LSA 798.8 MSA 252.9 SSA 15.5
 EL1 625.2 EL2 249.5 ALF 145.43

LAUNCH DATE MAY 17 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC

DISTANCE 193.439

RL 151.28 LAL -.00 LOL 235.42 VL 22.502 GAL 10.86 AZL 92.81 HCA 73.69 SMA 106.33 ECC .45596 INC 2.8147 VI 29.452
 RP 108.94 LAP -2.70 LOP 309.10 VP 34.470 GAP -27.09 A7P 90.79 TAL 166.46 TAP 240.15 RCA 57.85 APO 154.81 V2 34.784
 RC 49.035 GL -7.42 GP 2.39 ZAL 62.55 ZAP 14.83 ETS 190.38 ZAE 157.09 ETE 150.06 ZAC 119.83 ETC 19.21 CLP 14.64

PLANETOCENTRIC CONIC

C3 70.598 VHL 8.402 OLA -4.09 RAL 170.76 RAD 6569.4 VEL 13.855 PTH 2.53 VHP 16.248 DPA 18.83 RAP 147.94 ECC 2.1619
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 38 24 2399.42 -23.58 53.54 52.49 106.15 8 18 24 1799.4 -21.14 45.72
 90.00 18 35 36 5297.45 27.24 240.17 55.97 81.96 20 3 54 4697.4 25.85 231.78
 100.00 8 57 50 2143.20 -24.98 34.25 52.04 106.98 9 33 33 1543.2 -22.42 26.38
 100.00 19 58 52 5028.90 28.68 220.17 55.73 81.20 21 22 41 4428.9 27.17 211.70
 110.00 10 1 41 1943.31 -28.74 17.69 50.65 109.35 10 34 4 1343.3 -25.83 9.72
 110.00 21 11 30 4801.55 32.58 202.12 54.94 79.04 22 31 32 4201.6 30.73 193.40

DIFFERENTIAL CORRECTIONS

TCE .6705 TRA-1.5885 TC3 -.1274 BAU .1337
 RDE -.5879 RRA -.3404 RC3 .0619 FAU .01661
 FDE -.4919 FRA .8035 FC3 -.2036 BSP 3504
 BDE .8917 BRA 1.6245 BC3 .1416 FSP -151

MID-COURSE EXECUTION ACCURACY

SGT 1197.6 SGR 475.1 SG3 63.0
 RRT .0828 RRF -.0835 RTF -.7751
 SGB 1288.4 R23 -.0074 R13 -.7753
 SGI 1198.3 SG2 473.1 TMA 2.23

ORBIT DETERMINATION ACCURACY

ST 561.4 SR 407.0 SS 524.9
 CRT -.7028 CRS -.8081 CST .9861
 LSA 831.8 MSA 253.5 SSA 15.6
 EL1 646.2 EL2 251.5 ALF 147.49

LAUNCH DATE MAY 17 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC

DISTANCE 199.943

RL 151.28 LAL -.00 LOL 235.42 VL 22.870 GAL 10.34 AZL 92.89 HCA 76.85 SMA 107.77 ECC .43590 INC 2.8864 VI 29.452
 RP 108.94 LAP -2.81 LOP 312.26 VP 34.712 GAP -25.84 A7P 90.66 TAL 166.02 TAP 242.87 RCA 60.79 APO 154.74 V2 34.784
 RC 47.750 GL -8.14 GP 2.51 ZAL 62.11 ZAP 13.44 ETS 191.77 ZAE 158.61 ETE 145.80 ZAC 118.15 ETC 18.82 CLP 13.21

PLANETOCENTRIC CONIC

C3 63.995 VHL 8.000 OLA -4.94 RAL 170.92 RAD 6569.2 VEL 13.614 PTH 2.49 VHP 15.548 DPA 18.39 RAP 149.71 ECC 2.0532
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 45 29 2349.25 -22.59 50.20 50.71 107.54 8 24 38 1749.2 -19.98 42.50
 90.00 18 29 49 5300.79 27.27 240.40 54.78 82.07 19 58 10 4700.8 25.89 232.01
 100.00 9 4 30 2094.35 -23.97 30.97 50.23 108.42 9 39 24 1494.4 -21.23 23.24
 100.00 19 53 29 5030.92 28.70 220.32 54.54 81.27 21 17 20 4430.9 27.20 211.84
 110.00 10 7 25 1897.40 -27.66 14.55 48.76 110.93 10 39 2 1297.4 -24.57 6.75
 110.00 21 7 4 4800.64 32.57 202.06 53.76 79.00 22 27 5 4200.6 30.71 193.33

DIFFERENTIAL CORRECTIONS

TCE .6734 TRA-1.5782 TC3 -.1222 BAU .1204
 RDE -.5541 RRA -.3244 RC3 .0699 FAU .01716
 FDE -.5170 FRA .8271 FC3 -.2321 BSP 3699
 BDE .8720 BRA 1.6112 BC3 .1408 FSP -166

MID-COURSE EXECUTION ACCURACY

SGT 1248.2 SGR 473.7 SG3 68.5
 RRT .0868 RRF -.0885 RTF -.7888
 SGB 1335.1 R23 -.0087 R13 -.7890
 SGI 1249.0 SG2 471.6 TMA 2.20

ORBIT DETERMINATION ACCURACY

ST 590.3 SR 403.0 SS 552.4
 CRT -.7045 CRS -.8113 CST .9856
 LSA 866.9 MSA 253.4 SSA 15.8
 EL1 668.7 EL2 252.5 ALF 149.52

LAUNCH DATE MAY 17 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 206.486

RL 151.28 LAL -.00 LOL 235.42 VL 23.214 GAL 9.85 AZL 92.96 HCA 80.01 SMA 109.17 ECC .41675 INC 2.9562 VI 29.452
 RP 108.94 LAP -2.91 LOP 315.42 VP 34.940 GAP -24.63 A7P 90.51 TAL 165.62 TAP 245.63 RCA 63.67 APO 154.67 V2 34.785
 RC 46.594 GL -8.91 GP 2.63 ZAL 61.76 ZAP 12.06 ETS 193.56 ZAE 160.12 ETE 140.65 ZAC 116.46 ETC 18.44 CLP 11.77

PLANETOCENTRIC CONIC

C3 58.058 VHL 7.620 OLA -5.81 RAL 171.00 RAD 6569.1 VEL 13.395 PTH 2.45 VHP 14.871 DPA 17.94 RAP 151.46 ECC 1.9555
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 52 23 2298.35 -21.51 46.86 48.89 108.87 8 30 41 1698.4 -18.74 39.28
 90.00 18 23 34 5304.41 27.31 240.66 53.48 82.20 19 51 58 4704.4 25.94 232.26
 100.00 9 10 58 2044.82 -22.86 27.70 48.38 109.80 9 45 3 1444.8 -19.96 20.11
 100.00 19 47 39 5033.17 28.73 220.48 53.25 81.36 21 11 32 4433.2 27.23 212.00
 110.00 10 12 55 1850.88 -26.49 11.44 46.83 112.43 10 43 46 1250.9 -23.22 3.81
 110.00 21 2 12 4799.88 32.56 202.00 52.48 78.97 22 22 12 4199.9 30.70 193.28

DIFFERENTIAL CORRECTIONS

TCE .6765 TRA-1.5664 TC3 -.1144 BAU .1078
 RDE -.5210 RRA -.3087 RC3 .0788 FAU .01777
 FDE -.5440 FRA .8512 FC3 -.2649 BSP 3895
 BDE .8538 BRA 1.5965 BC3 .1389 FSP -183

MID-COURSE EXECUTION ACCURACY

SGT 1300.3 SGR 471.5 SG3 74.5
 RRT .0914 RRF -.0943 RTF -.8018
 SGB 1383.2 R23 -.0100 R13 -.8020
 SGI 1301.2 SG2 469.2 TMA 2.18

ORBIT DETERMINATION ACCURACY

ST 620.4 SR 398.0 SS 581.4
 CRT -.7064 CRS -.8147 CST .9852
 LSA 904.0 MSA 252.6 SSA 15.9
 EL1 692.6 EL2 252.3 ALF 151.50

LAUNCH DATE MAY 17 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 19 1967

MELIOCENTRIC CONIC
 RL 151.28 LAL -1.00 LOL 235.42 VL 23.534 GAL 9.37 AZL 93.02 HCA 83.17 SMA 110.53 ECC .39850 INC 3.0246 V1 29.452
 RP 108.94 LAP -3.00 LOP 318.59 VP 35.155 GAP -23.47 A7P 90.36 TAL 165.26 TAP 248.43 RCA 66.49 APO 154.58 V2 34.786
 RC 45.578 GL -9.71 GP 2.78 ZAL 61.48 ZAP 10.70 ETS 195.89 ZAE 161.56 ETE 134.43 ZAC 114.78 ETC 18.08 CLP 10.33

PLANETOCENTRIC CONIC
 C3 52.723 VHL 7.261 DLA -6.69 RAL 170.99 RAD 6568.9 VEL 13.194 PTH 2.41 VHP 14.217 OPA 17.49 RAP 153.21 ECC 1.8677
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 59 6 2246.77 -20.34 43.53 47.03 110.14 8 36 33 1646.8 -17.41 36.08
 90.00 18 16 49 5308.50 27.34 240.96 52.10 82.34 19 45 17 4708.5 26.00 232.55
 100.00 9 17 15 1994.65 -21.67 24.45 46.49 111.11 9 50 30 1394.7 -18.61 17.00
 100.00 19 41 20 5035.85 28.75 220.68 51.87 81.45 21 5 16 4435.9 27.27 212.19
 110.00 10 18 12 1803.82 -25.23 8.36 44.88 113.86 10 48 16 1203.8 -21.79 .90
 110.00 20 56 53 4799.45 32.56 201.97 51.11 78.95 22 16 52 4199.4 30.69 193.24

MID-COURSE EXECUTION ACCURACY
 SGT 1353.7 SGR 468.5 SG3 81.2
 RRT .0966 RRF -.1008 RTF -.8141
 SGB 1432.5 R23 -.0116 R13 -.8143
 SGI 1354.6 SG2 466.1 TMA 2.17

ORBIT DETERMINATION ACCURACY
 ST 652.0 SR 391.9 SS 612.3
 CRT -.7088 CRS -.8180 CST .9848
 LSA 943.5 MSA 251.0 SSA 16.1
 EL1 718.1 EL2 251.0 ALF 153.43

DIFFERENTIAL CORRECTIONS
 TDE .6802 TRA-1.5527 TC3 -.1036 BAU .0961
 RDE -.4886 RRA -.2934 RC3 .0885 FAU .01844
 FDE -.5733 FRA .8760 FC3 -.3028 BSP 4095
 BDE .8375 BRA 1.5802 BC3 .1363 FSP -202

LAUNCH DATE MAY 17 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 21 1967

MELIOCENTRIC CONIC
 RL 151.28 LAL -1.00 LOL 235.42 VL 23.833 GAL 8.91 AZL 93.09 HCA 86.33 SMA 111.85 ECC .38114 INC 3.0922 V1 29.452
 RP 108.93 LAP -3.09 LOP 321.75 VP 35.358 GAP -22.36 A7P 90.20 TAL 164.94 TAP 251.28 RCA 69.22 APO 154.48 V2 34.788
 RC 44.711 GL -10.57 GP 2.93 ZAL 61.29 ZAP 9.35 ETS 199.03 ZAE 162.85 ETE 126.94 ZAC 113.10 ETC 17.74 CLP 8.89

PLANETOCENTRIC CONIC
 C3 47.934 VHL 6.923 DLA -7.59 RAL 170.90 RAD 6568.8 VEL 13.011 PTH 2.37 VHP 13.586 OPA 17.05 RAP 154.95 ECC 1.7889
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 5 39 2194.55 -19.08 40.22 45.14 111.33 8 42 14 1594.6 -16.01 32.88
 90.00 18 9 32 5313.27 27.39 241.30 50.64 82.51 19 38 5 4713.3 26.07 232.88
 100.00 9 23 21 1943.90 -20.39 21.23 44.58 112.34 9 55 45 1343.9 -17.18 13.90
 100.00 19 34 31 5039.16 28.79 220.92 50.42 81.58 20 58 30 4439.2 27.32 212.42
 110.00 10 23 16 1756.29 -23.89 5.33 42.92 115.21 10 52 33 1156.3 -20.30 358.03
 110.00 20 51 5 4799.53 32.56 201.97 49.66 78.96 22 11 5 4199.5 30.69 193.25

MID-COURSE EXECUTION ACCURACY
 SGT 1408.4 SGR 464.8 SG3 88.4
 RRT .1027 RRF -.1083 RTF -.8258
 SGB 1483.1 R23 -.0133 R13 -.8261
 SGI 1409.3 SG2 462.1 TMA 2.18

ORBIT DETERMINATION ACCURACY
 ST 685.1 SR 384.6 SS 645.2
 CRT -.7114 CRS -.8214 CST .9845
 LSA 985.7 MSA 248.6 SSA 16.2
 EL1 745.3 EL2 248.4 ALF 155.30

DIFFERENTIAL CORRECTIONS
 TDE .6847 TRA-1.5373 TC3 -.0892 BAU .0855
 RDE -.4570 RRA -.2786 RC3 .0992 FAU .01919
 FDE -.6054 FRA .9015 FC3 -.3466 BSP 4303
 BDE .8232 BRA 1.5623 BC3 .1334 FSP -223

LAUNCH DATE MAY 17 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 23 1967

MELIOCENTRIC CONIC
 RL 151.28 LAL -1.00 LOL 235.42 VL 24.111 GAL 8.46 AZL 93.16 HCA 89.50 SMA 113.12 ECC .36466 INC 3.1593 V1 29.452
 RP 108.92 LAP -3.16 LOP 324.92 VP 35.548 GAP -21.29 A7P 90.03 TAL 164.66 TAP 254.16 RCA 71.87 APO 154.37 V2 34.791
 RC 44.000 GL -11.48 GP 3.10 ZAL 61.19 ZAP 8.05 ETS 203.37 ZAE 163.88 ETE 118.12 ZAC 111.42 ETC 17.42 CLP 7.43

PLANETOCENTRIC CONIC
 C3 43.639 VHL 6.606 DLA -8.50 RAL 70.73 RAD 6568.7 VEL 12.845 PTH 2.34 VHP 12.975 OPA 16.61 RAP 156.68 ECC 1.7182
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 12 5 2141.74 -17.74 36.92 43.24 112.44 8 47 47 1541.7 -14.54 29.70
 90.00 18 1 41 5318.95 27.44 241.71 49.10 82.71 19 30 20 4719.0 26.14 233.28
 100.00 9 29 18 1892.62 -19.03 18.03 42.66 113.50 10 0 51 1292.6 -15.69 10.83
 100.00 19 27 9 5043.30 28.83 221.22 48.89 81.73 20 51 13 4443.3 27.38 212.71
 110.00 10 28 9 1708.36 -22.47 2.33 40.95 116.47 10 56 37 1108.4 -18.73 355.19
 110.00 20 44 48 4800.32 32.57 202.03 48.15 78.99 22 4 48 4200.3 30.71 193.31

MID-COURSE EXECUTION ACCURACY
 SGT 1464.2 SGR 460.3 SG3 96.4
 RRT .1101 RRF -.1172 RTF -.8369
 SGB 1534.8 R23 -.0152 R13 -.8371
 SGI 1465.2 SG2 457.2 TMA 2.20

ORBIT DETERMINATION ACCURACY
 ST 719.5 SR 376.2 SS 680.4
 CRT -.7141 CRS -.8246 CST .9842
 LSA 1030.3 MSA 245.7 SSA 16.3
 EL1 774.1 EL2 244.8 ALF 157.11

DIFFERENTIAL CORRECTIONS
 TDE .6895 TRA-1.5202 TC3 -.0712 BAU .0769
 RDE -.4262 RRA -.2643 RC3 .1109 FAU .02002
 FDE -.6403 FRA .9280 FC3 -.3971 BSP 4504
 BDE .8106 BRA 1.5430 BC3 .1318 FSP -246

LAUNCH DATE MAY 17 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 25 1967

MELIOCENTRIC CONIC
 RL 151.28 LAL -1.00 LOL 235.42 VL 24.370 GAL 8.03 AZL 93.23 HCA 92.66 SMA 114.35 ECC .34904 INC 3.2263 V1 29.452
 RP 108.91 LAP -3.22 LOP 328.09 VP 35.728 GAP -20.25 A7P 89.85 TAL 164.43 TAP 257.09 RCA 74.44 APO 154.26 V2 34.795
 RC 43.455 GL -12.43 GP 3.29 ZAL 61.17 ZAP 6.80 ETS 209.56 ZAE 164.53 ETE 108.08 ZAC 109.74 ETC 17.12 CLP 5.96

PLANETOCENTRIC CONIC
 C3 39.792 VHL 6.308 DLA -9.43 RAL 170.46 RAD 6568.5 VEL 12.695 PTH 2.31 VHP 12.386 OPA 16.19 RAP 158.40 ECC 1.6549
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 18 23 2088.37 -16.32 33.65 41.32 113.47 8 53 12 1488.4 -13.01 26.53
 90.00 17 53 15 5325.76 27.49 242.20 47.51 82.94 19 22 1 4725.8 26.23 233.76
 100.00 9 35 7 1840.86 -17.59 14.85 40.73 114.56 10 5 47 1240.9 -14.13 7.77
 100.00 19 19 13 5048.50 28.88 221.60 47.30 81.92 20 43 22 4448.5 27.46 213.08
 110.00 10 32 50 1660.11 -20.97 359.38 38.97 117.63 11 0 30 1060.1 -17.11 352.39
 110.00 20 37 59 4802.02 32.59 202.16 46.58 79.06 21 58 1 4202.0 30.74 193.43

MID-COURSE EXECUTION ACCURACY
 SGT 1520.9 SGR 455.1 SG3 105.3
 RRT .1187 RRF -.1276 RTF -.8473
 SGB 1587.5 R23 -.0174 R13 -.8475
 SGI 1522.0 SG2 451.5 TMA 2.23

ORBIT DETERMINATION ACCURACY
 ST 755.6 SR 366.5 SS 718.2
 CRT -.7171 CRS -.8278 CST .9840
 LSA 1078.0 MSA 241.9 SSA 16.4
 EL1 804.8 EL2 239.8 ALF 158.85

DIFFERENTIAL CORRECTIONS
 TDE .6954 TRA-1.5012 TC3 -.0487 BAU .0707
 RDE -.3962 RRA -.2507 RC3 .1236 FAU .02094
 FDE -.6791 FRA .9554 FC3 -.4555 BSP 4713
 BDE .8003 BRA 1.5220 BC3 .1329 FSP -272

LAUNCH DATE MAY 17 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 239.651

RL 151.28 LAL -1.00 LOL 235.42 VL 24.611 GAL 7.62 AZL 93.29 MCA 95.82 SMA 115.52 ECC .33427 INC 3.2937 VI 29.452
 RP 108.90 LAP -3.28 LOP 331.25 VP 35.897 GAP -19.26 AZP 89.67 TAL 164.24 TAP 260.06 RCA 76.91 APO 154.14 V2 34.799
 RC 43.079 GL -13.44 GP 3.50 ZAL 61.24 ZAP 5.67 ETS 218.67 ZAE 164.73 ETE 97.31 ZAC 108.08 ETC 16.83 CLP 4.47

PLANETOCENTRIC CONIC

C3 36.351 VHL 6.029 DLA -10.37 RAL 170.10 RAD 6568.4 VEL 12.559 PTH 2.28 VHP 11.817 DPA 15.78 RAP 160.09 ECC 1.5982
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 24 37 2034.49 -14.83 30.39 39.40 114.40 8 58 31 1434.5 -11.41 23.38
 90.00 17 44 11 5333.93 27.56 242.79 45.86 83.23 19 13 5 4733.9 26.34 234.33
 100.00 9 40 48 1788.69 -16.09 11.71 38.79 115.54 10 10 37 1188.7 -12.52 4.74
 100.00 19 10 41 5054.97 28.94 222.07 45.66 82.16 20 34 56 4455.0 27.55 213.54
 110.00 10 37 21 1611.62 -19.42 356.49 37.00 118.70 11 4 12 1011.6 -15.43 349.63
 110.00 20 30 38 4804.81 32.63 202.37 44.95 79.18 21 50 42 4204.8 30.79 193.63

DIFFERENTIAL CORRECTIONS

TOE .7023 TRA-1.4804 TC3 -.0214 BAU .0676
 ROE -.3668 RRA -.2377 RC3 .1374 FAU .02196
 FDE -.7219 FRA .9839 FC3 -.5230 BSP 4926
 BOE .7923 BRA 1.4993 BC3 .1391 FSP -300

MID-COURSE EXECUTION ACCURACY

SGT 1578.4 SGR 449.1 SG3 115.0
 RRT .1291 RRF -.1399 RTF -.8572
 SGB 1641.1 R23 -.0199 R13 -.8575
 SG1 1579.6 SG2 445.0 THA 2.28

ORBIT DETERMINATION ACCURACY

ST 793.4 SR 355.4 SS 758.7
 CRT -.7203 CRS -.8307 CST .9840
 LSA 1129.0 MSA 237.6 SSA 16.5
 EL1 837.4 EL2 233.6 ALF 160.55

LAUNCH DATE MAY 17 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 278.345

RL 151.28 LAL -1.00 LOL 235.42 VL 24.835 GAL 7.23 AZL 93.36 MCA 98.98 SMA 116.65 ECC .32032 INC 3.3619 VI 29.452
 RP 108.88 LAP -3.32 LOP 334.42 VP 36.056 GAP -18.30 AZP 89.47 TAL 164.09 TAP 263.08 RCA 79.28 APO 154.01 V2 34.804
 RC 42.876 GL -14.50 GP 3.74 ZAL 61.39 ZAP 4.76 ETS 232.16 ZAE 164.42 ETE 86.53 ZAC 106.43 ETC 16.56 CLP 2.96

PLANETOCENTRIC CONIC

C3 33.279 VHL 5.769 DLA -11.34 RAL 169.66 RAD 6568.3 VEL 12.436 PTH 2.25 VHP 11.267 DPA 15.38 RAP 161.78 ECC 1.5477
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 30 47 1980.12 -13.28 27.15 37.48 115.24 9 3 47 1380.1 -9.77 20.23
 90.00 17 34 27 5343.71 27.64 243.49 44.16 83.58 19 3 31 4743.7 26.46 235.02
 100.00 9 46 24 1736.13 -14.52 8.59 36.86 116.42 10 15 20 1136.1 -10.86 1.72
 100.00 19 1 31 5062.93 29.01 222.65 43.97 82.46 20 25 54 4462.9 27.67 214.11
 110.00 10 41 42 1562.94 -17.80 353.64 35.04 119.68 11 7 45 962.9 -13.72 346.91
 110.00 20 22 42 4808.89 32.68 202.68 43.29 79.36 21 42 51 4208.9 30.87 193.93

DIFFERENTIAL CORRECTIONS

TOE .7100 TRA-1.4578 TC3 .0108 BAU .0680
 ROE -.3381 RRA -.2255 RC3 .1523 FAU .02309
 FDE -.7695 FRA 1.0136 FC3 -.6007 BSP 5136
 BOE .7864 BRA 1.4751 BC3 .1527 FSP -332

MID-COURSE EXECUTION ACCURACY

SGT 1636.5 SGR 442.5 SG3 125.8
 RRT .1417 RRF -.1547 RTF -.8664
 SGB 1695.3 R23 -.0227 R13 -.8667
 SG1 1637.8 SG2 437.7 THA 2.36

ORBIT DETERMINATION ACCURACY

ST 832.8 SR 342.8 SS 802.4
 CRT -.7233 CRS -.8333 CST .9839
 LSA 1183.5 MSA 232.7 SSA 16.5
 EL1 871.7 EL2 226.2 ALF 162.18

LAUNCH DATE MAY 17 1967

FLIGHT TIME 106.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 253.051

RL 151.28 LAL -1.00 LOL 235.42 VL 25.043 GAL 6.86 AZL 93.43 MCA 102.15 SMA 117.72 ECC .30719 INC 3.4313 VI 29.452
 RP 108.87 LAP -3.35 LOP 337.59 VP 36.205 GAP -17.38 AZP 89.28 TAL 163.99 TAP 266.14 RCA 81.56 APO 153.88 V2 34.809
 RC 42.849 GL -15.62 GP 4.00 ZAL 61.64 ZAP 4.24 ETS 250.90 ZAE 163.64 ETE 76.49 ZAC 104.80 ETC 16.30 CLP 1.42

PLANETOCENTRIC CONIC

C3 30.541 VHL 5.526 DLA -12.33 RAL 169.12 RAD 6568.2 VEL 12.325 PTH 2.22 VHP 10.737 DPA 15.02 RAP 163.44 ECC 1.5026
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 36 55 1925.29 -11.66 23.94 35.58 115.99 9 9 1 1325.3 -8.07 17.10
 90.00 17 24 1 5355.34 27.72 244.33 42.44 83.99 18 53 16 4755.3 26.60 235.85
 100.00 9 51 57 1683.24 -12.90 5.51 34.94 117.20 10 20 0 1083.2 -9.15 358.72
 100.00 18 51 40 5072.63 29.10 223.36 42.26 82.83 20 16 13 4472.6 27.80 214.80
 110.00 10 45 56 1514.17 -16.13 350.84 33.10 120.55 11 11 10 914.2 -11.96 344.22
 110.00 20 14 11 4814.46 32.75 203.10 41.60 79.60 21 34 25 4214.5 30.97 194.33

DIFFERENTIAL CORRECTIONS

TOE .7193 TRA-1.4334 TC3 .0486 BAU .0716
 ROE -.3100 RRA -.2141 RC3 .1684 FAU .02435
 FDE -.8229 FRA 1.0448 FC3 -.6903 BSP 5345
 BOE .7832 BRA 1.4493 BC3 .1753 FSP -367

MID-COURSE EXECUTION ACCURACY

SGT 1695.0 SGR 435.4 SG3 137.7
 RRT .1571 RRF -.1725 RTF -.8752
 SGB 1750.0 R23 -.0259 R13 -.8755
 SG1 1696.5 SG2 429.6 THA 2.47

ORBIT DETERMINATION ACCURACY

ST 874.3 SR 328.6 SS 849.8
 CRT -.7260 CRS -.8353 CST .9840
 LSA 1242.0 MSA 227.2 SSA 16.6
 EL1 908.3 EL2 217.5 ALF 163.78

LAUNCH DATE MAY 17 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 259.766

RL 151.28 LAL -1.00 LOL 235.42 VL 25.237 GAL 6.50 AZL 93.50 MCA 105.31 SMA 118.74 ECC .29484 INC 3.5024 VI 29.452
 RP 108.85 LAP -3.38 LOP 340.77 VP 36.345 GAP -16.49 AZP 89.07 TAL 163.93 TAP 269.24 RCA 83.73 APO 153.75 V2 34.815
 RC 42.995 GL -16.79 GP 4.29 ZAL 61.97 ZAP 4.30 ETS 272.33 ZAE 162.45 ETE 67.70 ZAC 103.18 ETC 16.05 CLP -1.15

PLANETOCENTRIC CONIC

C3 28.107 VHL 5.302 DLA -13.34 RAL 168.49 RAD 6568.1 VEL 12.226 PTH 2.20 VHP 10.226 DPA 14.69 RAP 165.08 ECC 1.4626
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 43 6 1869.99 -9.99 20.73 33.69 116.63 9 14 16 1270.0 -6.34 13.96
 90.00 17 12 49 5369.08 27.82 245.33 40.68 84.48 18 42 18 4769.1 26.76 236.82
 100.00 9 57 28 1630.03 -11.22 2.45 33.04 117.89 10 24 38 1030.0 -7.40 355.74
 100.00 18 41 8 5084.28 29.19 224.21 40.51 83.26 20 5 52 4484.3 27.95 215.63
 110.00 10 50 3 1465.35 -14.42 348.09 31.18 121.33 11 14 28 865.4 -10.17 341.57
 110.00 20 5 3 4821.72 32.83 203.64 39.89 79.91 21 25 24 4221.7 31.09 194.85

DIFFERENTIAL CORRECTIONS

TOE .7289 TRA-1.4078 TC3 .0906 BAU .0776
 ROE -.2824 RRA -.2036 RC3 .1857 FAU .02574
 FDE -.8827 FRA 1.0777 FC3 -.7930 BSP 5520
 BOE .7817 BRA 1.4224 BC3 .2066 FSP -406

MID-COURSE EXECUTION ACCURACY

SGT 1753.4 SGR 427.8 SG3 150.9
 RRT .1761 RRF -.1942 RTF -.8830
 SGB 1804.9 R23 -.0297 R13 -.8834
 SG1 1755.1 SG2 420.7 THA 2.61

ORBIT DETERMINATION ACCURACY

ST 916.8 SR 312.7 SS 900.8
 CRT -.7275 CRS -.8363 CST .9841
 LSA 1304.0 MSA 221.6 SSA 16.6
 EL1 946.1 EL2 207.9 ALF 165.34

LAUNCH DATE MAY 17 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC
 RL 151.28 LAL -.00 LOL 235.42 VL 25.416 GAL 6.16 AZL 93.58 HCA 108.48 SMA 119.72 ECC .28325 INC 3.5757 V1 29.452
 RP 108.83 LAP -3.39 LOP 343.94 VP 36.476 GAP -15.63 AZP 88.86 TAL 163.91 TAP 272.39 RCA 85.81 APO 153.62 V2 34.822
 RC 43.312 GL -18.02 GP 4.63 ZAL 62.38 ZAP 4.95 ETS 291.02 ZAE 160.98 ETE 60.31 ZAC 101.59 ETC 15.81 CLP -1.75

PLANETOCENTRIC CONIC
 C3 25.949 VHL 5.094 OLA -14.37 RAL 167.77 RAD 6568.0 VEL 12.138 PTH 2.18 VHP 9.732 DPA 14.39 RAP 166.70 ECC 1.4271
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 49 21 1814.19 -8.27 17.53 31.82 117.18 9 19 35 1214.2 -4.57 10.82
 90.00 17 0 50 5385.20 27.92 246.50 38.91 85.06 18 30 35 4785.2 26.94 237.97
 100.00 10 3 1 1576.50 -9.50 359.40 31.17 118.48 10 29 17 976.5 -5.62 352.76
 100.00 18 29 51 5098.12 29.30 225.23 38.76 83.79 19 54 49 4498.1 28.13 216.62
 110.00 10 54 5 1416.54 -12.68 345.38 29.28 122.01 11 17 41 816.5 -8.36 338.95
 110.00 19 55 16 4830.84 32.94 204.33 38.16 80.31 21 15 47 4230.8 31.25 195.52

DIFFERENTIAL CORRECTIONS
 TOE .7411 TRA-1.3796 TC3 .1404 BAU .0860 SGT 1811.4 SGR 420.0 SG3 165.5 ST 962.1 SR 294.9 SS 956.2
 RDE -.2551 RRA -.1941 RC3 .2042 FAU .02730 RRT .1992 RRF -.2205 RTF -.8910 CRT -.7284 CRS -.8360 CST .9845
 FDE -.9502 FRA 1.1123 FC3 -.9108 BSP 5745 SGB 1859.4 R23 -.0340 R13 -.8914 LSA 1371.2 MSA 215.4 SSA 16.5
 BDE .7837 BRA 1.3932 BC3 .2478 FSP -450 SG1 1813.4 SG2 411.1 THA 2.79 EL1 986.8 EL2 197.0 ALF 166.88

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 17 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC
 RL 151.28 LAL -.00 LOL 235.42 VL 25.581 GAL 5.83 AZL 93.65 HCA 111.65 SMA 120.63 ECC .27239 INC 3.6519 V1 29.452
 RP 108.80 LAP -3.39 LOP 347.11 VP 36.598 GAP -14.79 AZP 88.65 TAL 163.93 TAP 275.58 RCA 87.77 APO 153.49 V2 34.830
 RC 43.796 GL -19.30 GP 5.00 ZAL 62.88 ZAP 6.04 ETS 304.41 ZAE 159.33 ETE 54.28 ZAC 100.03 ETC 15.58 CLP -3.40

PLANETOCENTRIC CONIC
 C3 24.043 VHL 4.903 OLA -15.43 RAL 166.96 RAD 6568.0 VEL 12.059 PTH 2.16 VHP 9.257 DPA 14.14 RAP 168.29 ECC 1.3957
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 55 44 1757.83 -6.51 14.33 29.99 117.62 9 25 2 1157.8 -2.76 7.66
 90.00 16 47 59 5403.97 28.02 247.86 37.14 85.74 18 18 3 4804.0 27.13 239.31
 100.00 10 8 38 1522.64 -7.74 356.38 29.32 118.96 10 34 0 922.6 -3.82 349.78
 100.00 18 17 47 5114.40 29.41 226.42 37.00 84.41 19 43 1 4514.4 28.33 217.79
 110.00 10 58 4 1367.78 -10.90 342.72 27.41 122.60 11 20 52 767.8 -6.53 336.36
 110.00 19 44 50 4842.02 33.07 205.18 36.44 80.79 21 5 32 4242.0 31.44 196.33

DIFFERENTIAL CORRECTIONS
 TOE .7543 TRA-1.3497 TC3 .1952 BAU .0955 SGT 1868.2 SGR 412.2 SG3 181.9 ST 1008.8 SR 274.9 SS 1016.5
 RDE -.2280 RRA -.1857 RC3 .2240 F/U .02904 RRT .2279 RRF -.2525 RTF -.8982 CRT -.7270 CRS -.8336 CST .9849
 FDE -1.0268 FRA 1.1487 FC3 -1.0456 BSP 5957 SGB 1913.2 R23 -.0389 R13 -.8987 LSA 1443.1 MSA 209.1 SSA 16.4
 BDE .7880 BRA 1.3624 BC3 .2971 FSP -499 SG1 1870.7 SG2 400.8 THA 3.02 EL1 1029.1 EL2 185.1 ALF 168.41

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 17 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC
 RL 151.28 LAL -.00 LOL 235.42 VL 25.734 GAL 5.52 AZL 93.73 HCA 114.82 SMA 121.50 ECC .26225 INC 3.7314 V1 29.452
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.713 GAP -13.99 AZP 88.43 TAL 163.99 TAP 278.81 RCA 89.64 APO 153.37 V2 34.838
 RC 44.440 GL -20.64 GP 5.42 ZAL 63.46 ZAP 7.43 ETS 313.36 ZAE 157.58 ETE 49.43 ZAC 98.49 ETC 15.36 CLP -5.09

PLANETOCENTRIC CONIC
 C3 22.366 VHL 4.729 OLA -16.50 RAL 166.07 RAD 6567.9 VEL 11.989 PTH 2.14 VHP 8.800 DPA 13.96 RAP 169.86 ECC 1.3681
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 2 21 1700.82 -4.70 11.12 28.20 117.96 9 30 42 1100.8 -.92 4.48
 90.00 16 34 14 5425.71 28.12 249.44 35.36 86.52 18 4 40 4825.7 27.34 240.86
 100.00 10 14 23 1468.39 -5.94 353.36 27.52 119.35 10 38 52 868.4 -1.98 346.80
 100.00 18 4 53 5133.38 29.53 227.82 35.24 85.14 19 30 26 4533.4 28.54 219.16
 110.00 11 2 3 1319.09 -9.11 340.10 25.58 123.09 11 24 2 719.1 -4.69 333.80
 110.00 19 33 43 4855.44 33.21 206.21 34.73 81.38 20 54 38 4255.4 31.66 197.32

DIFFERENTIAL CORRECTIONS
 TOE .7690 TRA-1.3184 TC3 .2548 BAU .1058 SGT 1923.9 SGR 404.8 SG3 200.0 ST 1057.3 SR 252.6 SS 1081.9
 RDE -.2008 RRA -.1785 RC3 .2453 FAU .03098 RRT .2631 RRF -.2914 RTF -.9049 CRT -.7219 CRS -.8280 CST .9854
 FDE -1.1139 FRA 1.1874 FC3 -1.1990 BSP 6157 SGB 1966.0 R23 -.0447 R13 -.9055 LSA 1520.1 MSA 202.8 SSA 16.3
 BDE .7948 BRA 1.3304 BC3 .3537 FSP -554 SG1 1927.0 SG2 389.9 THA 3.30 EL1 1073.3 EL2 172.2 ALF 169.95

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 17 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC
 RL 151.28 LAL -.00 LOL 235.42 VL 25.876 GAL 5.23 AZL 93.82 HCA 117.99 SMA 122.32 ECC .25280 INC 3.8152 V1 29.452
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.821 GAP -13.21 AZP 88.21 TAL 164.09 TAP 282.08 RCA 91.40 APO 153.24 V2 34.846
 RC 45.237 GL -22.03 GP 5.91 ZAL 64.12 ZAP 9.02 ETS 319.33 ZAE 155.82 ETE 45.58 ZAC 97.00 ETC 15.15 CLP -6.83

PLANETOCENTRIC CONIC
 C3 20.898 VHL 4.571 OLA -17.61 RAL 165.09 RAD 6567.8 VEL 11.928 PTH 2.12 VHP 8.360 DPA 13.83 RAP 171.40 ECC 1.3439
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 9 18 1642.99 -2.84 7.88 26.46 118.19 9 36 41 1043.0 .95 1.25
 90.00 16 19 29 5450.80 28.21 251.27 33.60 87.44 17 50 20 4850.8 27.56 242.87
 100.00 10 20 22 1413.65 -4.10 350.33 25.76 119.64 10 43 56 813.7 -.13 343.80
 100.00 17 51 6 5155.36 29.65 229.45 33.50 85.98 19 17 2 4555.4 28.77 220.75
 110.00 11 6 4 1270.46 -7.29 337.50 23.80 123.49 11 27 15 670.5 -2.83 331.25
 110.00 19 21 53 4871.32 33.36 207.42 33.05 82.09 20 43 5 4271.3 31.91 198.49

DIFFERENTIAL CORRECTIONS
 TOE .7852 TRA-1.2856 TC3 .3178 BAU .1161 SGT 1977.6 SGR 398.4 SG3 220.2 ST 1107.1 SR 227.7 SS 1152.9
 RDE -.1733 RRA -.1725 RC3 .2681 FAU .03312 RRT .3059 RRF -.3386 RTF -.9111 CRT -.7106 CRS -.8169 CST .9859
 FDE -1.2130 FRA 1.2286 FC3 -1.3719 BSP 6341 SGB 2017.3 R23 -.0517 R13 -.9118 LSA 1602.4 MSA 196.6 SSA 16.1
 BDE .8041 BRA 1.2972 BC3 .4137 FSP -615 SG1 1981.4 SG2 378.5 THA 3.66 EL1 1119.1 EL2 158.5 ALF 171.51

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 17 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 293.373

RL 151.28 LAL -.00 LOL 235.42 VL 26.006 GAL 4.96 AZL 93.90 MCA 121.16 SMA 123.09 ECC .24402 INC 3.9041 VI 29.452
 RP 108.72 LAP -3.34 LOP 356.64 VP 36.921 GAP -12.46 AZP 87.98 TAL 164.22 TAP 285.38 RCA 93.05 APO 153.12 V2 34.856
 RC 46.178 GL -23.47 GP 6.46 ZAL 64.84 ZAP 10.77 ETS 323.40 ZAE 154.10 ETE 42.57 ZAC 95.54 ETC 14.94 CLP -8.64

PLANETOCENTRIC CONIC

C3 19.622 VML 4.430 DLA -18.73 RAL 164.03 RAD 6567.8 VEL 11.874 PTH 2.11 VHP 7.937 DPA 13.80 RAP 172.91 ECC 1.3229
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 16 42 1584.07 -.95 4.59 24.78 118.30 9 43 6 984.1 2.85 357.96
 90.00 16 3 39 5479.66 28.28 253.38 31.86 88.49 17 34 58 4879.7 27.77 244.75
 100.00 10 26 41 1358.27 -2.23 347.28 24.06 119.82 10 49 19 758.3 1.75 340.76
 100.00 17 36 22 5180.69 29.75 231.32 31.79 86.96 19 2 42 4580.7 29.01 222.60
 110.00 11 10 13 1221.87 -5.45 334.94 22.06 123.80 11 30 34 621.9 -.98 328.71
 110.00 19 9 19 4889.86 33.53 208.84 31.40 82.91 20 30 49 4289.9 32.18 199.87

DIFFERENTIAL CORRECTIONS

TOE .8031 TRA-1.2513 TC3 .3847 BAU .1268
 ROE -.1450 RRA -.1681 RC3 .2927 FAU .03552
 FDE-1.3267 FRA 1.2724 FC3-1.5670 BSP 6519
 BDE .8160 BRA 1.2626 BC3 .4834 FSP -683

MID-COURSE EXECUTION ACCURACY

SGT 2028.8 SGR 393.8 SG3 242.7
 RRT .3579 RRF -.3951 RTF -.9169
 SGB 2066.7 R23 -.0599 R13 -.9177
 SG1 2033.8 SG2 366.8 TMA 4.11

ORBIT DETERMINATION ACCURACY

ST 1158.4 SR 199.9 SS 1230.2
 CRT -.6883 CRS -.7962 CST .9866
 LSA 1690.7 MSA 190.6 SSA 15.8
 EL1 1166.7 EL2 144.0 ALF 173.12

LAUNCH DATE MAY 17 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 300.084

RL 151.28 LAL -.00 LOL 235.42 VL 26.126 GAL 4.70 AZL 94.00 MCA 124.34 SMA 123.81 ECC .23587 INC 3.9992 VI 29.452
 RP 108.69 LAP -3.30 LOP 359.82 VP 37.015 GAP -11.73 AZP 87.74 TAL 164.38 TAP 288.72 RCA 94.60 APO 153.01 V2 34.865
 RC 47.255 GL -24.96 GP 7.09 ZAL 65.63 ZAP 12.67 ETS 326.20 ZAE 152.46 ETE 40.26 ZAC 94.14 ETC 14.73 CLP -10.52

PLANETOCENTRIC CONIC

C3 18.523 VML 4.304 DLA -19.88 RAL 162.90 RAD 6567.7 VEL 11.828 PTH 2.09 VHP 7.531 DPA 13.86 RAP 174.39 ECC 1.3048
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 24 45 1523.66 1.00 1.23 23.18 118.30 9 50 9 923.7 4.78 354.58
 90.00 15 46 34 5512.88 28.32 255.81 30.14 89.71 17 18 27 4912.9 27.98 247.16
 100.00 10 33 27 1301.98 -.33 344.19 22.44 119.89 10 55 9 702.0 3.65 337.66
 100.00 17 20 34 5209.79 29.84 233.48 30.11 88.10 18 47 23 4609.8 29.25 224.72
 110.00 11 14 32 1173.23 -3.61 332.38 20.39 124.02 11 34 5 573.2 .88 326.17
 110.00 18 55 58 4911.30 33.70 210.49 29.79 83.88 20 17 49 4311.3 32.48 201.47

DIFFERENTIAL CORRECTIONS

TOE .8228 TRA-1.2154 TC3 .4533 BAU .1373
 ROE -.1153 RRA -.1652 RC3 .3193 FAU .03818
 FDE-1.4574 FRA 1.3189 FC3-1.7845 BSP 6696
 BDE .8309 BRA 1.2266 BC3 .5545 FSP -760

MID-COURSE EXECUTION ACCURACY

SGT 2076.6 SGR 392.2 SG3 267.8
 RRT .4191 RRF -.4613 RTF -.9223
 SGB 2113.3 R23 -.0695 R13 -.9233
 SG1 2083.3 SG2 354.9 TMA 4.66

ORBIT DETERMINATION ACCURACY

ST 1211.0 SR 169.0 SS 1314.4
 CRT -.6444 CRS -.7564 CST .9873
 LSA 1785.6 MSA 184.9 SSA 15.4
 EL1 1215.9 EL2 128.7 ALF 174.80

LAUNCH DATE MAY 17 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 306.786

RL 151.28 LAL -.00 LOL 235.42 VL 26.236 GAL 4.45 AZL 94.10 MCA 127.51 SMA 124.48 ECC .22833 INC 4.1019 VI 29.452
 RP 108.66 LAP -3.25 LOP 3.01 VP 37.102 GAP -11.03 AZP 87.50 TAL 164.57 TAP 292.08 RCA 96.05 APO 152.90 V2 34.875
 RC 48.458 GL -26.50 GP 7.83 ZAL 66.48 ZAP 14.70 ETS 328.14 ZAE 150.93 ETE 38.57 ZAC 92.78 ETC 14.53 CLP -12.48

PLANETOCENTRIC CONIC

C3 17.588 VML 4.194 DLA -21.05 RAL 161.70 RAD 6567.7 VEL 11.789 PTH 2.08 VHP 7.143 DPA 14.04 RAP 175.83 ECC 1.2895
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 33 42 1461.15 3.02 357.74 21.67 118.17 9 58 3 861.2 6.76 351.06
 90.00 15 28 2 5551.22 28.30 258.61 28.46 91.12 17 0 34 4951.2 28.15 249.95
 100.00 10 40 52 1244.40 1.63 341.03 20.90 119.85 11 1 36 644.4 5.59 334.48
 100.00 17 3 34 5243.21 29.89 235.96 28.47 89.40 18 30 57 4643.2 29.48 227.18
 110.00 11 19 9 1124.41 -1.74 329.83 18.79 124.14 11 37 53 524.4 2.75 323.63
 110.00 18 41 46 4935.96 33.86 212.40 28.24 84.99 20 4 2 4336.0 32.80 203.32

DIFFERENTIAL CORRECTIONS

TOE .8459 TRA-1.1758 TC3 .5266 BAU .1485
 ROE -.0837 RRA -.1640 RC3 .3486 FAU .04122
 FDE-1.6092 FRA 1.3665 FC3-2.0289 BSP 6905
 BDE .8500 BRA 1.1872 BC3 .6316 FSP -849

MID-COURSE EXECUTION ACCURACY

SGT 2119.8 SGR 395.2 SG3 295.9
 RRT .4896 RRF -.5366 RTF -.9277
 SGB 2156.3 R23 -.0805 R13 -.9291
 SG1 2128.8 SG2 343.1 TMA 5.36

ORBIT DETERMINATION ACCURACY

ST 1265.9 SR 135.4 SS 1406.8
 CRT -.5533 CRS -.6730 CST .9881
 LSA 1888.8 MSA 178.9 SSA 14.8
 EL1 1268.1 EL2 112.6 ALF 176.59

LAUNCH DATE MAY 17 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 313.479

RL 151.28 LAL -.00 LOL 235.42 VL 26.337 GAL 4.23 AZL 94.21 MCA 130.69 SMA 125.10 ECC .22138 INC 4.2138 VI 29.452
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.183 GAP -10.34 AZP 87.25 TAL 164.78 TAP 295.46 RCA 97.40 APO 152.79 V2 34.886
 RC 49.776 GL -28.08 GP 8.68 ZAL 67.37 ZAP 16.88 ETS 329.46 ZAE 149.52 ETE 37.45 ZAC 91.48 ETC 14.32 CLP -14.53

PLANETOCENTRIC CONIC

C3 16.808 VML 4.100 DLA -22.25 RAL 160.43 RAD 6567.7 VEL 11.755 PTH 2.07 VHP 6.773 DPA 14.36 RAP 177.24 ECC 1.2766
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 43 54 1395.58 5.12 354.06 20.28 117.89 10 7 10 795.6 8.81 347.33
 90.00 15 7 45 5595.84 28.19 261.87 26.82 92.75 16 41 0 4995.8 28.28 253.21
 100.00 10 49 11 1184.91 3.64 337.76 19.46 119.69 11 8 56 584.9 7.57 331.17
 100.00 16 45 9 5281.74 29.88 238.83 26.88 90.91 18 13 11 4681.7 29.69 230.03
 110.00 11 24 10 1075.19 .14 327.26 17.28 124.18 11 42 6 475.2 4.62 321.05
 110.00 18 26 39 4964.22 34.01 214.59 26.76 86.28 19 49 23 4364.2 33.12 205.47

DIFFERENTIAL CORRECTIONS

TOE .8682 TRA-1.1372 TC3 .5932 BAU .1584
 ROE -.0492 RRA -.1649 RC3 .3808 FAU .04451
 FDE-1.7826 FRA 1.4187 FC3-2.2926 BSP 7050
 BDE .8696 BRA 1.1491 BC3 .7049 FSP -946

MID-COURSE EXECUTION ACCURACY

SGT 2158.1 SGR 405.2 SG3 327.1
 RRT .5670 RRF -.6185 RTF -.9322
 SGB 2195.9 R23 -.0937 R13 -.9339
 SG1 2170.6 SG2 331.9 TMA 6.22

ORBIT DETERMINATION ACCURACY

ST 1318.2 SR 102.0 SS 1505.9
 CRT -.3339 CRS -.4684 CST .9889
 LSA 1996.3 MSA 174.2 SSA 14.2
 EL1 1318.7 EL2 96.1 ALF 178.51

LAUNCH DATE MAY 17 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 320.161
 RL 151.28 LAL -.00 LOL 235.42 VL 26.429 GAL 4.02 AZL 94.34 MCA 133.87 SMA 125.67 ECC .21499 INC 4.3370 V1 29.452
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.259 GAP -9.68 AZP 86.99 TAL 165.00 TAP 298.87 RCA 98.66 APO 152.69 V2 34.897
 RC 51.201 GL -29.72 GP 9.68 ZAL 68.30 ZAP 19.21 ETS 330.32 ZAE 148.23 ETE 36.85 ZAC 90.25 ETC 14.10 CLP -16.68

PLANETOCENTRIC CONIC

C3 16.175 VHL 4.022 DLA -23.49 RAL 159.11 RAD 6567.6 VEL 11.729 PTH 2.07 VMP 6.420 OPA 14.85 RAP 178.63 ECC 1.2662
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 55 57 1325.30 7.34 350.09 19.03 117.43 10 18 2 725.3 10.96 343.28
 90.00 14 45 9 5648.54 27.96 265.71 25.21 94.66 16 19 17 5048.5 28.31 257.06
 100.00 10 58 45 1122.55 5.73 334.32 18.16 119.39 11 17 28 522.6 9.61 327.67
 100.00 16 25 1 5326.52 29.78 242.15 25.35 92.66 17 53 48 4726.5 29.84 233.35
 110.00 11 29 48 1025.24 2.05 324.66 15.87 124.13 11 46 53 425.2 6.51 318.42
 110.00 18 10 29 4996.60 34.12 217.12 25.37 87.77 19 33 45 4396.6 33.43 207.94

DIFFERENTIAL CORRECTIONS

TOE .8919 TRA-1.0972 TC3 .6538 BAU .1677 SGT 2190.0 SGR 425.1 SG3 361.6 ORBIT DETERMINATION ACCURACY
 RDE -.0107 RRA -.1680 RC3 .4168 FAU .04813 RRT .6463 RRF -.7019 RTF -.9362 ST 1369.8 SR 80.4 SS 1613.3
 FDE-1.9833 FRA 1.4732 FC3-2.5764 BSP 7173 SGB 2230.8 R23 -.1094 R13 -.9384 CRT .1889 CRS .0482 CST .9896
 BOE .8920 BRA 1.1100 BC3 .7754 FSP -1053 SG1 2207.5 SG2 321.9 TMA 7.31 LSA 2111.1 MSA 170.1 SSA 13.5
 EL1 1369.9 EL2 78.9 ALF .64

LAUNCH DATE MAY 17 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 326.830
 RL 151.28 LAL -.00 LOL 235.42 VL 26.514 GAL 3.82 AZL 94.47 MCA 137.05 SMA 126.21 ECC .20914 INC 4.4742 V1 29.452
 RP 108.56 LAP -3.05 LOP -12.56 VP 37.330 GAP -9.04 AZP 86.72 TAL 165.24 TAP 302.29 RCA 99.81 APO 152.60 V2 34.908
 RC 52.722 GL -31.41 GP 10.86 ZAL 69.26 ZAP 21.73 ETS 330.81 ZAE 147.06 ETE 36.78 ZAC 89.08 ETC 13.87 CLP -18.94

PLANETOCENTRIC CONIC

C3 15.684 VHL 3.960 DLA -24.76 RAL 157.73 RAD 6567.6 VEL 11.708 PTH 2.06 VMP 6.087 OPA 15.54 RAP 179.98 ECC 1.2581
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 10 50 1247.36 9.76 345.64 17.98 116.72 10 31 37 647.4 13.27 338.72
 90.00 14 19 17 5712.50 27.52 270.34 23.63 96.94 15 54 30 5112.5 28.20 261.74
 100.00 11 10 11 1055.74 7.95 330.60 17.02 118.91 11 27 47 455.7 11.75 323.87
 100.00 16 2 37 5379.35 29.55 246.06 23.86 94.71 17 32 16 4779.4 29.89 237.28
 110.00 11 36 14 974.03 4.00 321.98 14.59 123.98 11 52 28 374.0 8.43 315.70
 110.00 17 53 3 5033.83 34.18 220.02 24.06 89.49 19 16 57 4433.8 33.73 210.81

DIFFERENTIAL CORRECTIONS

TOE .9163 TRA-1.0560 TC3 .7064 BAU .1765 SGT 2213.8 SGR 458.6 SG3 399.7 ORBIT DETERMINATION ACCURACY
 RDE .0335 RRA -.1738 RC3 .4575 FAU .05211 RRT .7218 RRF -.7804 RTF -.9397 ST 1418.6 SR 96.8 SS 1728.9
 FDE-2.2149 FRA 1.5301 FC3-2.8762 BSP 7279 SGB 2260.8 R23 -.1274 R13 -.9427 CRT .7744 CRS .6811 CST .9903
 BOE .9169 BRA 1.0702 BC3 .8416 FSP -1173 SG1 2238.9 SG2 313.8 TMA 8.68 LSA 2232.2 MSA 166.6 SSA 12.8
 EL1 1420.6 EL2 61.1 ALF 3.03

LAUNCH DATE MAY 17 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 333.486
 RL 151.28 LAL -.00 LOL 235.42 VL 26.590 GAL 3.64 AZL 94.63 MCA 140.23 SMA 126.70 ECC .20380 INC 4.6289 V1 29.452
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.395 GAP -8.41 AZP 86.44 TAL 165.49 TAP 305.72 RCA 100.88 APO 152.52 V2 34.920
 RC 54.330 GL -33.15 GP 12.25 ZAL 70.24 ZAP 24.46 ETS 331.00 ZAE 145.98 ETE 37.25 ZAC 87.99 ETC 13.63 CLP -21.34

PLANETOCENTRIC CONIC

C3 15.336 VHL 3.916 DLA -26.07 RAL 156.31 RAD 6567.6 VEL 11.693 PTH 2.06 VMP 5.774 OPA 16.48 RAP 181.33 ECC 1.2524
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 30 39 1155.30 12.52 340.29 17.22 115.61 10 49 54 555.3 15.87 333.21
 90.00 13 48 5 5794.44 26.71 276.20 22.01 99.77 15 24 40 5194.4 27.79 267.70
 100.00 11 24 27 981.56 10.36 326.41 16.10 118.20 11 40 48 381.6 14.05 319.57
 100.00 15 36 58 5443.41 29.10 250.77 22.41 97.14 17 7 42 4843.4 29.79 242.03
 110.00 11 43 49 920.77 6.02 319.18 13.47 123.71 11 59 10 320.8 10.41 312.84
 110.00 17 34 5 5076.97 34.15 223.39 22.86 91.49 18 58 42 4477.0 33.98 214.15

DIFFERENTIAL CORRECTIONS

TOE .9442 TRA-1.0112 TC3 .7531 BAU .1858 SGT 2229.2 SGR 509.9 SG3 441.7 ORBIT DETERMINATION ACCURACY
 RDE .0858 RRA -.1825 RC3 .5041 FAU .05650 RRT .7881 RRF -.8479 RTF -.9434 ST 1467.3 SR 154.4 SS 1855.2
 FDE-2.4857 FRA 1.5851 FC3-3.1897 BSP 7425 SGB 2286.8 R23 -.1460 R13 -.9473 CRT .9606 CRS .9166 CST .9911
 BOE .9481 BRA 1.0276 BC3 .9063 FSP -1311 SG1 2265.9 SG2 308.8 TMA 10.41 LSA 2364.7 MSA 162.9 SSA 11.9
 EL1 1474.8 EL2 42.7 ALF 5.78

LAUNCH DATE MAY 17 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 340.126
 RL 151.28 LAL -.00 LOL 235.42 VL 26.659 GAL 3.47 AZL 94.81 MCA 143.42 SMA 127.14 ECC .19895 INC 4.8059 V1 29.452
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.456 GAP -7.80 AZP 86.14 TAL 165.74 TAP 309.16 RCA 101.85 APO 152.44 V2 34.932
 RC 56.016 GL -34.96 GP 13.92 ZAL 71.23 ZAP 27.43 ETS 330.93 ZAE 144.95 ETE 38.30 ZAC 86.97 ETC 13.38 CLP -23.87

PLANETOCENTRIC CONIC

C3 15.136 VHL 3.891 DLA -27.45 RAL 154.83 RAD 6567.6 VEL 11.684 PTH 2.05 VMP 5.482 OPA 17.73 RAP 182.66 ECC 1.2491
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 1 56 1028.51 16.12 332.72 16.96 113.60 11 19 4 428.5 19.18 325.38
 90.00 13 5 2 627.30 25.04 306.75 20.17 103.68 13 15 29 27.3 26.67 298.46
 100.00 11 43 37 893.80 13.14 321.37 15.50 117.09 11 58 31 293.8 16.67 314.36
 100.00 15 6 2 5525.28 28.26 256.71 20.93 100.16 16 38 7 4925.3 29.38 248.08
 110.00 11 53 3 864.17 8.15 316.18 12.55 123.31 12 7 27 264.2 12.47 309.75
 110.00 17 13 5 5127.67 33.99 227.34 21.75 93.82 18 38 33 4527.7 34.15 218.10

DIFFERENTIAL CORRECTIONS

TOE .9701 TRA -.9674 TC3 .7801 BAU .1940 SGT 2233.1 SGR 583.7 SG3 486.8 ORBIT DETERMINATION ACCURACY
 RDE .1489 RRA -.1948 RC3 .5573 FAU .06109 RRT .8405 RRF -.9006 RTF -.9459 ST 1507.8 SR 240.1 SS 1988.0
 FDE-2.7948 FRA 1.6410 FC3-3.4942 BSP 7494 SGB 2308.1 R23 -.1661 R13 -.9514 CRT .9949 CRS .9752 CST .9916
 BOE .9815 BRA .9868 BC3 .9587 FSP -1455 SG1 2287.4 SG2 308.7 TMA 12.62 LSA 2501.4 MSA 160.5 SSA 11.0
 EL1 1526.6 EL2 23.8 ALF 9.00

LAUNCH DATE MAY 17 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 346.751

RL 151.28 LAL -.00 LOL 235.42 VL 26.722 GAL 3.32 AZL 95.01 MCA 146.60 SMA 127.55 ECC .19456 INC 5.0117 V1 29.452
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.512 GAP -7.21 AZP 85.81 TAL 165.99 TAP 312.59 RCA 102.74 APO 152.37 V2 34.945
 RC 57.772 GL -36.85 GP 15.94 ZAL 72.24 ZAP 30.68 ETS 330.66 ZAE 143.90 ETE 39.97 ZAC 86.02 ETC 13.10 CLP -26.57

PLANETOCENTRIC CONIC

C3 15.098 VML 3.886 DLA -28.89 RAL 153.30 RAD 6567.6 VEL 11.683 PTH 2.05 VMP 5.216 DPA 19.35 RAP 184.03 ECC 1.2485
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.00 11 7 29 988.78 21.56 332.10 17.57 109.72 11 23 58 388.8 24.05 324.27
 96.00 12 47 17 665.88 21.57 308.43 17.57 109.70 12 58 23 65.9 24.06 300.60
 100.00 12 13 54 773.27 16.76 314.25 15.47 115.12 12 26 47 173.3 20.00 306.96
 100.00 14 23 33 5644.66 26.54 265.16 19.23 104.29 15 57 38 5044.7 28.24 256.77
 110.00 12 4 45 802.03 10.45 312.84 11.89 122.73 12 18 8 202.0 14.70 306.31
 110.00 16 49 11 5188.66 33.62 232.06 20.74 96.59 18 15 40 4588.7 34.16 222.86

DIFFERENTIAL CORRECTIONS

TOE .9967 TRA -.9221 TC3 .7890 BAU .2023
 RDE .2273 RRA -.2113 RC3 .6182 FAU .06583
 FDE-3.1496 FRA 1.6919 FC3-3.7748 BSP 7557
 BOE 1.0223 BRA .9460 BC3 1.0023 FSP -1611

MID-COURSE EXECUTION ACCURACY

SGT 2224.4 SGR 685.4 SG3 534.7
 RRT .8789 RRF -.9384 RTF -.9480
 SGB 2327.6 R23 -.1845 R13 -.9557
 SG1 2306.2 SG2 315.4 TMA 15.45

ORBIT DETERMINATION ACCURACY

ST 1541.9 SR 352.1 SS 2128.5
 CRT .9996 CRS .9918 CST .9922
 LSA 2647.1 MSA 158.7 SSA 10.0
 EL1 1581.6 EL2 10.0 ALF 12.86

LAUNCH DATE MAY 17 1967

FLIGHT TIME 136.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 353.360

RL 151.28 LAL -.00 LOL 235.42 VL 26.778 GAL 3.19 AZL 95.26 MCA 149.79 SMA 127.92 ECC .19061 INC 5.2556 V1 29.452
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.563 GAP -6.64 AZP 85.45 TAL 166.23 TAP 316.02 RCA 103.54 APO 152.31 V2 34.957
 RC 59.590 GL -38.85 GP 18.39 ZAL 73.25 ZAP 34.27 ETS 330.19 ZAE 142.74 ETE 42.32 ZAC 85.15 ETC 12.80 CLP -29.44

PLANETOCENTRIC CONIC

C3 15.244 VML 3.904 DLA -30.43 RAL 151.71 RAD 6567.6 VEL 11.689 PTH 2.06 VMP 4.979 DPA 21.43 RAP 185.46 ECC 1.2509
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.36 10 17 18 1131.38 22.60 343.08 16.57 110.94 10 36 9 531.4 25.25 335.24
 101.64 13 24 48 5815.65 22.62 276.51 16.57 110.93 15 1 43 5215.6 25.26 268.67
 78.36 10 17 18 1131.38 22.60 343.08 16.57 110.94 10 36 9 531.4 25.25 335.24
 101.64 13 24 48 5815.65 22.62 276.51 16.57 110.93 15 1 43 5215.6 25.26 268.67
 110.00 12 20 29 730.05 13.07 308.91 11.60 121.87 12 32 39 130.1 17.19 302.22
 110.00 16 20 46 5264.98 32.87 237.89 19.77 99.96 17 48 31 4665.0 33.89 228.81

DIFFERENTIAL CORRECTIONS

TOE 1.0257 TRA -.8736 TC3 .7812 BAU .2121
 RDE .3277 RRA -.2321 RC3 .6879 FAU .07063
 FDE-3.5551 FRA 1.7284 FC3-4.0110 BSP 7656
 BOE 1.0768 BRA .9039 BC3 1.0409 FSP -1776

MID-COURSE EXECUTION ACCURACY

SGT 2201.9 SGR 822.1 SG3 584.0
 RRT .9054 RRF -.9635 RTF -.9499
 SGB 2350.4 R23 -.1967 R13 -.9607
 SG1 2327.0 SG2 330.3 TMA 19.08

ORBIT DETERMINATION ACCURACY

ST 1570.0 SR 495.6 SS 2276.5
 CRT .9987 CRS .9971 CST .9927
 LSA 2805.0 MSA 156.7 SSA 9.0
 EL1 1646.2 EL2 24.0 ALF 17.50

LAUNCH DATE MAY 17 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 359.951

RL 151.28 LAL -.00 LOL 235.42 VL 26.829 GAL 3.07 AZL 95.55 MCA 152.98 SMA 128.26 ECC .18708 INC 5.5515 V1 29.452
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.611 GAP -6.08 AZP 85.05 TAL 166.45 TAP 319.43 RCA 104.26 APO 152.25 V2 34.970
 RC 61.464 GL -40.98 GP 21.41 ZAL 74.27 ZAP 38.26 ETS 329.56 ZAE 141.30 ETE 45.40 ZAC 84.33 ETC 12.46 CLP -32.49

PLANETOCENTRIC CONIC

C3 15.620 VML 3.952 DLA -32.10 RAL 150.04 RAD 6567.6 VEL 11.705 PTH 2.06 VMP 4.778 DPA 24.08 RAP 187.02 ECC 1.2571
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.22 9 41 30 1228.58 23.64 350.86 15.78 112.37 10 1 59 628.6 26.46 343.01
 105.78 13 47 15 5729.41 23.65 270.45 15.78 112.36 15 22 45 5129.4 26.47 262.61
 74.22 9 41 30 1228.58 23.64 350.86 15.78 112.37 10 1 59 628.6 26.46 343.01
 105.78 13 47 15 5729.41 23.65 270.45 15.78 112.36 15 22 45 5129.4 26.47 262.61
 110.00 12 43 58 637.57 16.33 303.73 11.92 120.45 12 54 36 37.6 20.25 296.80
 110.00 15 43 58 5368.42 31.39 245.59 18.67 104.29 17 13 26 4768.4 33.03 236.75

DIFFERENTIAL CORRECTIONS

TOE 1.0528 TRA -.8261 TC3 .7435 BAU .2226
 RDE .4585 RRA -.2585 RC3 .7639 FAU .07478
 FDE-4.0023 FRA 1.7480 FC3-4.1447 BSP 7733
 BOE 1.1483 BRA .8656 BC3 1.0660 FSP -1933

MID-COURSE EXECUTION ACCURACY

SGT 2161.8 SGR 1001.1 SG3 631.1
 RRT .9217 RRF -.9790 RTF -.9506
 SGB 2382.3 R23 -.2015 R13 -.9661
 SG1 2355.5 SG2 356.3 TMA 23.69

ORBIT DETERMINATION ACCURACY

ST 1584.2 SR 678.1 SS 2424.2
 CRT .9971 CRS .9990 CST .9931
 LSA 2970.2 MSA 156.0 SSA 7.9
 EL1 1722.6 EL2 47.1 ALF 23.13

LAUNCH DATE MAY 17 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 366.525

RL 151.28 LAL -.00 LOL 235.42 VL 26.873 GAL 2.96 AZL 95.92 MCA 156.18 SMA 128.56 ECC .18395 INC 5.9203 V1 29.452
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.655 GAP -5.54 AZP 84.58 TAL 166.66 TAP 322.83 RCA 104.91 APO 152.20 V2 34.983
 RC 63.388 GL -43.29 GP 25.15 ZAL 75.31 ZAP 42.72 ETS 328.80 ZAE 139.37 ETE 49.20 ZAC 83.55 ETC 12.08 CLP -35.74

PLANETOCENTRIC CONIC

C3 16.300 VML 4.037 DLA -33.92 RAL 148.26 RAD 6567.7 VEL 11.734 PTH 2.07 VMP 4.625 DPA 27.44 RAP 188.85 ECC 1.2683
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.50 9 10 36 1311.75 24.63 357.73 15.25 114.09 9 32 27 711.8 27.67 349.90
 109.50 14 3 56 5665.61 24.65 266.01 15.25 114.08 15 38 21 5065.6 27.68 258.18
 70.50 9 10 36 1311.75 24.63 357.73 15.25 114.09 9 32 27 711.8 27.67 349.90
 109.50 14 3 56 5665.61 24.65 266.01 15.25 114.08 15 38 21 5065.6 27.68 258.18
 110.00 13 34 42 5754.81 21.93 271.56 13.84 116.90 15 10 37 5154.8 25.36 264.08
 110.00 14 38 59 5558.59 27.41 258.96 16.54 111.27 16 11 38 4958.6 30.05 250.76

DIFFERENTIAL CORRECTIONS

TOE 1.0831 TRA -.7759 TC3 .6850 BAU .2370
 RDE .6342 RRA -.2897 RC3 .8447 FAU .07794
 FDE-4.4851 FRA 1.7294 FC3-4.1396 BSP 7905
 BOE 1.2552 BRA .8282 BC3 1.0876 FSP -2076

MID-COURSE EXECUTION ACCURACY

SGT 2104.6 SGR 1233.2 SG3 671.7
 RRT .9317 RRF -.9882 RTF -.9509
 SGB 2439.3 R23 -.1934 R13 -.9727
 SG1 2407.7 SG2 391.5 TMA 29.49

ORBIT DETERMINATION ACCURACY

ST 1587.9 SR 912.5 SS 2568.5
 CRT .9959 CRS .9997 CST .9934
 LSA 3150.7 MSA 155.3 SSA 6.9
 EL1 1830.0 EL2 71.6 ALF 29.83

LAUNCH DATE MAY 17 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 373.079

RL 151.28 LAL -0.00 LOL 235.42 VL 26.913 GAL 2.87 AZL 96.40 MCA 159.37 SMA 128.82 ECC .18119 INC 6.3961 V1 29.452
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.696 GAP -5.01 AZP 84.01 TAL 166.84 TAP 326.21 RCA 105.48 APO 152.16 V2 34.996
 RC 65.357 GL -45.84 GP 29.82 ZAL 76.39 ZAP 47.75 ETS 327.96 ZAE 136.63 ETE 53.63 ZAC 82.75 ETC 11.62 CLP -39.19

PLANETOCENTRIC CONIC

C3 17.425 VHL 4.174 DLA -35.95 RAL 146.30 RAD 6567.7 VEL 11.782 PTH 2.08 VHP 4.540 DPA 31.68 RAP 191.13 ECC 1.2868
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.85 8 41 45 1390.63 25.56 4.43 15.04 116.20 9 4 56 790.6 28.86 254.91
 113.15 14 17 10 5617.41 25.57 262.69 15.05 116.19 15 50 48 5017.4 28.87 254.91
 66.85 8 41 45 1390.63 25.56 4.43 15.04 116.20 9 4 56 790.6 28.86 254.91
 113.15 14 17 10 5617.41 25.57 262.69 15.05 116.19 15 50 48 5017.4 28.87 254.91
 66.85 8 41 45 1390.63 25.56 4.43 15.04 116.20 9 4 56 790.6 28.86 254.91
 113.15 14 17 10 5617.41 25.57 262.69 15.05 116.19 15 50 48 5017.4 28.87 254.91

DIFFERENTIAL CORRECTIONS

TOE 1.177 TRA -0.7252 TC3 .6003 BAU .2559
 ROE .8757 RRA -.3251 RC3 .9201 FAU .07886
 FDE -4.9693 FRA 1.6549 FC3 -3.9180 BSP 8213
 BDE 1.4199 BRA .7947 BC3 1.0986 FSP -2173

MID-COURSE EXECUTION ACCURACY

SGT 2029.0 SGR 1529.2 SG3 697.1
 RRT .9368 RRF -.9935 RTF -.9501
 SGB 2540.7 R23 -.1723 R13 -.9800
 SG1 2503.4 SG2 433.6 THA 36.50

ORBIT DETERMINATION ACCURACY

ST 1578.0 SR 1213.5 SS 2695.9
 CRT .9950 CRS .9999 CST .9936
 LSA 3347.6 MSA 155.0 SSA 5.9
 EL1 1908.3 EL2 95.8 ALF 37.52

LAUNCH DATE MAY 17 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 379.613

RL 151.28 LAL -0.00 LOL 235.42 VL 26.948 GAL 2.79 AZL 97.04 MCA 162.56 SMA 129.05 ECC .17878 INC 7.0378 V1 29.452
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.733 GAP -4.49 AZP 83.28 TAL 167.00 TAP 329.56 RCA 105.98 APO 152.13 V2 35.009
 RC 67.365 GL -48.72 GP 35.70 ZAL 77.54 ZAP 53.43 ETS 327.11 ZAE 132.70 ETE 58.44 ZAC 81.86 ETC 11.04 CLP -42.80

PLANETOCENTRIC CONIC

C3 19.262 VHL 4.389 DLA -38.27 RAL 144.08 RAD 6567.8 VEL 11.859 PTH 2.10 VHP 4.557 DPA 36.97 RAP 194.26 ECC 1.3170
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.11 8 13 23 1471.39 26.31 11.42 15.26 118.86 8 37 54 871.4 29.94 3.75
 116.89 14 27 49 5583.56 26.32 260.38 15.27 118.84 16 0 53 4983.6 29.95 252.71
 63.11 8 13 23 1471.39 26.31 11.42 15.26 118.86 8 37 54 871.4 29.94 3.75
 116.89 14 27 49 5583.56 26.32 260.38 15.27 118.84 16 0 53 4983.6 29.95 252.71
 63.11 8 13 23 1471.39 26.31 11.42 15.26 118.86 8 37 54 871.4 29.94 3.75
 116.89 14 27 49 5583.56 26.32 260.38 15.27 118.84 16 0 53 4983.6 29.95 252.71

DIFFERENTIAL CORRECTIONS

TOE 1.1684 TRA -.6709 TC3 .5015 BAU .2826
 ROE 1.2184 RRA -.3586 RC3 .9763 FAU .07643
 FDE -5.3995 FRA 1.4889 FC3 -3.4352 BSP 8862
 BDE 1.6881 BRA .7607 BC3 1.0976 FSP -2203

MID-COURSE EXECUTION ACCURACY

SGT 1940.3 SGR 1902.6 SG3 696.1
 RRT .9396 RRF -.9963 RTF -.9494
 SGB 2717.5 R23 -.1386 R13 -.9874
 SG1 2676.1 SG2 472.3 THA 44.40

ORBIT DETERMINATION ACCURACY

ST 1561.6 SR 1600.8 SS 2790.9
 CRT .9946 CRS 1.0000 CST .9938
 LSA 3573.0 MSA 153.8 SSA 5.0
 EL1 2233.3 EL2 116.5 ALF 45.71

LAUNCH DATE MAY 17 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 386.124

RL 151.28 LAL -0.00 LOL 235.42 VL 26.978 GAL 2.72 AZL 97.96 MCA 165.76 SMA 129.26 ECC .17671 INC 7.9579 V1 29.452
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.766 GAP -3.98 AZP 82.28 TAL 167.12 TAP 332.88 RCA 106.42 APO 152.10 V2 35.023
 RC 69.409 GL -52.04 GP 43.11 ZAL 78.81 ZAP 59.83 ETS 326.32 ZAE 127.10 ETE 63.20 ZAC 80.79 ETC 10.19 CLP -46.50

PLANETOCENTRIC CONIC

C3 22.389 VHL 4.732 DLA -40.93 RAL 141.44 RAD 6567.9 VEL 11.990 PTH 2.14 VHP 4.746 DPA 43.45 RAP 199.00 ECC 1.3685
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.11 7 44 11 1560.33 26.67 19.14 16.03 122.29 8 10 12 960.3 30.72 11.69
 120.89 14 35 54 5566.70 26.68 259.20 16.04 122.27 16 8 41 4966.7 30.73 251.75
 59.11 7 44 11 1560.33 26.67 19.14 16.03 122.29 8 10 12 960.3 30.72 11.69
 120.89 14 35 54 5566.70 26.68 259.20 16.04 122.27 16 8 41 4966.7 30.73 251.75
 59.11 7 44 11 1560.33 26.67 19.14 16.03 122.29 8 10 12 960.3 30.72 11.69
 120.89 14 35 54 5566.70 26.68 259.20 16.04 122.27 16 8 41 4966.7 30.73 251.75

DIFFERENTIAL CORRECTIONS

TOE 1.2553 TRA -.6129 TC3 .3982 BAU .3189
 ROE 1.7219 RRA -.3748 RC3 .9882 FAU .06925
 FDE -5.6661 FRA 1.1962 FC3 -2.6779 BSP 10063
 BDE 2.1309 BRA .7184 BC3 1.0654 FSP -2131

MID-COURSE EXECUTION ACCURACY

SGT 1848.7 SGR 2362.8 SG3 653.3
 RRT .9414 RRF -.9978 RTF -.9492
 SGB 3000.1 R23 -.0996 R13 -.9933
 SG1 2958.4 SG2 498.2 THA 52.37

ORBIT DETERMINATION ACCURACY

ST 1548.4 SR 2093.0 SS 2823.7
 CRT .9944 CRS 1.0000 CST .9942
 LSA 3837.8 MSA 151.6 SSA 4.2
 EL1 2600.2 EL2 131.2 ALF 53.55

LAUNCH DATE MAY 17 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 392.618

RL 151.28 LAL -0.00 LOL 235.42 VL 27.003 GAL 2.68 AZL 99.40 MCA 168.95 SMA 129.43 ECC .17497 INC 9.3968 V1 29.452
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.797 GAP -3.49 AZP 80.77 TAL 167.19 TAP 336.14 RCA 106.79 APO 152.08 V2 35.036
 RC 71.485 GL -55.95 GP 52.38 ZAL 80.28 ZAP 66.90 ETS 325.55 ZAE 119.35 ETE 67.23 ZAC 79.34 ETC 8.67 CLP -50.01

PLANETOCENTRIC CONIC

C3 28.252 VHL 5.315 DLA -44.02 RAL 138.12 RAD 6568.1 VEL 12.232 PTH 2.20 VHP 5.263 DPA 51.01 RAP 206.95 ECC 1.4650
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.76 7 12 53 1666.68 26.14 28.10 17.59 126.78 7 40 40 1066.7 30.73 21.06
 125.24 14 40 42 5574.95 26.15 259.52 17.60 126.77 16 13 37 4975.0 30.74 252.48
 54.76 7 12 53 1666.68 26.14 28.10 17.59 126.78 7 40 40 1066.7 30.73 21.06
 125.24 14 40 42 5574.95 26.15 259.52 17.60 126.77 16 13 37 4975.0 30.74 252.48
 54.76 7 12 53 1666.68 26.14 28.10 17.59 126.78 7 40 40 1066.7 30.73 21.06
 125.24 14 40 42 5574.95 26.15 259.52 17.60 126.77 16 13 37 4975.0 30.74 252.48

DIFFERENTIAL CORRECTIONS

TOE 1.3645 TRA -.6177 TC3 .2035 BAU .3195
 ROE 2.4351 RRA -.4049 RC3 .8211 FAU .04915
 FDE -5.4570 FRA .9197 FC3 -1.5060 BSP 10010
 BDE 2.7913 BRA .7385 BC3 .8459 FSP -1614

MID-COURSE EXECUTION ACCURACY

SGT 1751.5 SGR 2832.0 SG3 540.0
 RRT .9297 RRF -.9985 RTF -.9386
 SGB 3329.9 R23 -.0730 R13 -.9962
 SG1 3283.1 SG2 556.3 THA 59.12

ORBIT DETERMINATION ACCURACY

ST 1496.9 SR 2631.3 SS 2681.4
 CRT .9931 CRS 1.0000 CST .9932
 LSA 4040.8 MSA 162.5 SSA 3.3
 EL1 3023.5 EL2 152.8 ALF 60.45

LAUNCH DATE MAY 17 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 399.072

RL 151.28 LAL -.00 LOL 235.42 VL 27.025 GAL 2.64 AZL 101.98 MCA 172.13 SMA 129.58 ECC .17353 INC11.9844 V1 29.452
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.825 GAP -3.01 AZP 78.13 TAL 167.23 TAP 339.35 RCA 107.10 APO 152.07 V2 35.049
 RC 73.590 GL -60.54 GP 63.86 ZAL 82.12 ZAP 74.38 ETS 323.92 ZAE 109.00 ETE 68.98 ZAC 77.28 ETC 5.06 CLP -52.33

PLANETOCENTRIC CONIC

C3 41.453 VHL 6.438 DLA -47.48 RAL 133.68 RAD 6568.6 VEL 12.760 PTH 2.32 VMP 6.508 DPA 58.76 RAP 221.78 ECC 1.6822
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 50.15 6 38 8 1807.10 23.51 38.79 20.16 132.52 7 8 15 1207.1 28.77 32.49
 129.85 14 40 4 5627.69 23.52 262.03 20.17 132.52 16 13 51 5027.7 28.78 255.73
 50.15 6 38 8 1807.10 23.51 38.79 20.16 132.52 7 8 15 1207.1 28.77 32.49
 129.85 14 40 4 5627.69 23.52 262.03 20.17 132.52 16 13 51 5027.7 28.78 255.73
 50.15 6 38 8 1807.10 23.51 38.79 20.16 132.52 7 8 15 1207.1 28.77 32.49
 129.85 14 40 4 5627.69 23.52 262.03 20.17 132.52 16 13 51 5027.7 28.78 255.73

DIFFERENTIAL CORRECTIONS

TOE 1.8208 TRA -.6009 TC3 .1132 BAU .3168
 ROE 3.6173 RRA -.2991 RC3 .5603 FAU .02824
 FDE -4.8378 FRA .4630 FC3 -.5898 BSP 11721
 BDE 4.0498 BRA .6712 BC3 .5716 FSP -1161

MID-COURSE EXECUTION ACCURACY

SGT 1809.1 SGR 3322.4 SG3 381.4
 RRT .9372 RRF -.9988 RTF -.9479
 SGB 3783.0 R23 -.0445 R13 -.9984
 SG1 3741.2 SG2 560.5 TMA 62.29

ORBIT DETERMINATION ACCURACY

ST 1637.6 SR 3221.3 SS 2422.9
 CRT .9941 CRS 1.0000 CST .9947
 LSA 4347.7 MSA 162.1 SSA 2.4
 EL1 3610.2 EL2 158.7 ALF 63.13

LAUNCH DATE MAY 17 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 405.466

RL 151.28 LAL -.00 LOL 235.42 VL 27.043 GAL 2.63 AZL 108.02 MCA 175.27 SMA 129.71 ECC .17241 INC18.0187 V1 29.452
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.850 GAP -2.56 AZP 72.04 TAL 167.18 TAP 342.46 RCA 107.34 APO 152.07 V2 35.062
 RC 75.721 GL -65.20 GP 77.95 ZAL 84.53 ZAP 81.59 ETS 309.01 ZAE 95.27 ETE 55.61 ZAC 74.02 ETC 346.10 CLP -45.51

PLANETOCENTRIC CONIC

C3 84.737 VHL 9.205 DLA -50.52 RAL 127.89 RAD 6569.7 VEL 14.356 PTH 2.61 VMP 9.940 DPA 63.27 RAP 250.36 ECC 2.3946
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 46.23 6 2 0 2011.73 16.04 51.01 24.17 138.58 6 35 32 1411.7 21.96 45.73
 133.77 14 29 58 5769.41 16.05 267.99 24.19 138.58 16 6 8 5169.4 21.97 262.71
 46.23 6 2 0 2011.73 16.04 51.01 24.17 138.58 6 35 32 1411.7 21.96 45.73
 133.77 14 29 58 5769.41 16.05 267.99 24.19 138.58 16 6 8 5169.4 21.97 262.71
 46.23 6 2 0 2011.73 16.04 51.01 24.17 138.58 6 35 32 1411.7 21.96 45.73
 133.77 14 29 58 5769.41 16.05 267.99 24.19 138.58 16 6 8 5169.4 21.97 262.71

DIFFERENTIAL CORRECTIONS

TOE 4.3396 TRA -.6353 TC3 .0362 BAU .1506
 ROE 5.0508 RRA .1478 RC3 .1279 FAU .00450
 FDE -3.7563 FRA .1079 FC3 -.0460 BSP 13051
 BDE 6.6590 BRA .6522 BC3 .1329 FSP 610

MID-COURSE EXECUTION ACCURACY

SGT 2772.5 SGR 3155.8 SG3 202.3
 RRT .9620 RRF -.9951 RTF -.9836
 SGB 4200.7 R23 -.0236 R13 -.9995
 SG1 4161.3 SG2 574.2 TMA 48.84

ORBIT DETERMINATION ACCURACY

ST 2707.5 SR 3144.0 SS 2008.1
 CRT .9966 CRS .9996 CST .9985
 LSA 4606.4 MSA 170.4 SSA 1.3
 EL1 4145.7 EL2 169.8 ALF 49.28

LAUNCH DATE MAY 17 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 411.564

RL 151.28 LAL -.00 LOL 235.42 VL 27.058 GAL 2.68 AZL 135.02 MCA 178.18 SMA 129.80 ECC .17179 INC45.0139 V1 29.452
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.872 GAP -2.18 AZP 45.00 TAL 166.86 TAP 345.04 RCA 107.51 APO 152.10 V2 35.075
 RC 77.874 GL -61.50 GP 74.52 ZAL 87.62 ZAP 87.36 ETS 183.86 ZAE 70.94 ETE 291.19 ZAC 65.96 ETC 211.32 CLP 80.05

PLANETOCENTRIC CONIC

C3 473.240 VHL 21.754 DLA -45.44 RAL 126.26 RAD 6572.3 VEL 24.383 PTH 3.32 VMP 26.205 DPA 52.08 RAP 293.09 ECC 8.7883
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.85 6 18 17 2222.19 2.01 56.14 34.26 135.40 6 55 19 1622.2 7.69 50.90
 127.15 14 0 44 804.13 2.03 306.15 34.28 135.40 14 14 8 204.1 7.70 300.91
 52.85 6 18 17 2222.19 2.01 56.14 34.26 135.40 6 55 19 1622.2 7.69 50.90
 127.15 14 0 44 804.13 2.03 306.15 34.28 135.40 14 14 8 204.1 7.70 300.91
 52.85 6 18 17 2222.19 2.01 56.14 34.26 135.40 6 55 19 1622.2 7.69 50.90
 127.15 14 0 44 804.13 2.03 306.15 34.28 135.40 14 14 8 204.1 7.70 300.91

DIFFERENTIAL CORRECTIONS

TOE 7.1731 TRA -1.4058 TC3 -.1097 BAU 1.7660
 RO-13.5659 RRA .7448 RC3 .2567 FAU-.03313
 FDE-3.4456 FRA .1157 FC3 .0606 BSP 11043
 BDE15.3456 BRA 1.5909 BC3 .2791 FSP -210

MID-COURSE EXECUTION ACCURACY

SGT 2018.8 SGR 3753.9 SG3 81.7
 RRT -.9416 RRF .9994 RTF -.9516
 SGB 4262.3 R23 -.0429 R13 .9990
 SG1 4219.1 SG2 604.8 TMA 117.47

ORBIT DETERMINATION ACCURACY

ST 1895.9 SR 3574.1 SS 2054.9
 CRT -.9943 CRS-1.0000 CST .9952
 LSA 4534.2 MSA 181.1 SSA 1.0
 EL1 4041.9 EL2 179.2 ALF 117.87

LAUNCH DATE MAY 17 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 418.944

RL 151.28 LAL -.00 LOL 235.42 VL 27.069 GAL 2.51 AZL 60.06 MCA 182.22 SMA 129.88 ECC .17036 INC29.9398 V1 29.452
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.892 GAP -1.48 AZP 119.92 TAL 167.59 TAP 349.81 RCA 107.75 APO 152.01 V2 35.088
 RC 80.046 GL 65.78 GP -80.54 ZAL 86.81 ZAP 87.95 ETS 152.42 ZAE 86.40 ETE 48.46 ZAC 97.97 ETC 122.78 CLP 77.46

PLANETOCENTRIC CONIC

C3 219.036 VHL 14.800 DLA 65.54 RAL 207.82 RAD 6571.3 VEL 18.449 PTH 3.04 VMP 20.988 DPA -72.16 RAP 78.95 ECC 4.6048
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 28.06 22 30 30 4929.52 -8.05 240.98 114.14 24.72 23 52 39 4329.5 -15.30 237.94
 151.94 8 39 11 3208.31 -8.04 96.56 114.12 24.72 9 32 39 2608.3 -15.29 93.52
 28.06 22 30 30 4929.52 -8.05 240.98 114.14 24.72 23 52 39 4329.5 -15.30 237.94
 151.94 8 39 11 3208.31 -8.04 96.56 114.12 24.72 9 32 39 2608.3 -15.29 93.52
 28.06 22 30 30 4929.52 -8.05 240.98 114.14 24.72 23 52 39 4329.5 -15.30 237.94
 151.94 8 39 11 3208.31 -8.04 96.56 114.12 24.72 9 32 39 2608.3 -15.29 93.52

DIFFERENTIAL CORRECTIONS

TOE-1.1052 TRA-2.9438 TC3 -.1255 BAU .5469
 ROE 1.0810 RRA-3.7758 RC3 -.1383 FAU-.01051
 FDE -.0862 FRA 1.1300 FC3 .0415 BSP 13158
 BDE 1.5460 BRA 4.7878 BC3 .1868 FSP -276

MID-COURSE EXECUTION ACCURACY

SGT 2809.9 SGR 3578.2 SG3 91.9
 RRT .9636 RRF -.9963 RTF -.9829
 SGB 4549.7 R23 -.0168 R13 -.9998
 SG1 4510.5 SG2 596.2 TMA 52.11

ORBIT DETERMINATION ACCURACY

ST 930.0 SR 1138.8 SS 577.9
 CRT .6567 CRS .9634 CST .8348
 LSA 1463.7 MSA 594.3 SSA .4
 EL1 1345.0 EL2 593.8 ALF 53.62

LAUNCH DATE MAY 17 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 425.106

RL 151.28 LAL -.00 LOL 235.42 VL 27.077 GAL 2.57 AZL 79.76 MCA 185.22 SMA 129.94 ECC .17015 INC10.2370 V1 29.452
 RP 107.96 LAP -.93 LOP 60.56 VP 37.910 GAP -1.09 AZP 100.20 TAL 167.27 TAP 352.49 RCA 107.83 APO 152.05 V2 35.101
 RC 82.236 GL 58.41 GP -78.28 ZAL 81.31 ZAP 86.84 ETS 15.47 ZAE 106.30 ETE 273.69 ZAC 105.77 ETC 354.05 CLP -74.24

PLANETOCENTRIC CONIC

C3 31.850 VML 5.644 DLA 57.70 RAL 201.04 RAD 6568.3 VEL 12.378 PTH 2.23 VMP 9.011 DPA -59.45 RAP 119.90 ECC 1.5242
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 37.37 22 26 20 4471.33 -30.82 218.71 88.90 38.47 23 40 51 3871.3 -36.94 212.91
 142.63 7 49 19 2830.40 -30.81 85.40 88.89 38.47 8 36 29 2230.4 -36.93 79.60
 37.37 22 26 20 4471.33 -30.82 218.71 88.90 38.47 23 40 51 3871.3 -36.94 212.91
 142.63 7 49 19 2830.40 -30.81 85.40 88.89 38.47 8 36 29 2230.4 -36.93 79.60
 37.37 22 26 20 4471.33 -30.82 218.71 88.90 38.47 23 40 51 3871.3 -36.94 212.91
 142.63 7 49 19 2830.40 -30.81 85.40 88.89 38.47 8 36 29 2230.4 -36.93 79.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5622 TRA .1023 TC3 -.1334 BAU .4190 SGT 621.4 SGR 4549.9 SG3 228.8 ST 573.7 SR 1343.8 SS 600.2
 RDE .2320 RRA 2.3201 RC3 -.9750 FAU .02229 RRT .4091 RRF .9996 RTF .3895 CRT .2745 CRS -.9966 CST -.1942
 FDE .0709 FRA 1.3458 FC3 -.6059 BSP 14013 SGB 4592.1 R23 .0283 R13 .9994 LSA 1479.9 MSA 552.3 SSA 1.2
 BDE .6081 BRA 2.3223 BC3 .9841 FSP -722 SG1 4557.1 SG2 566.1 THA 86.75 EL1 1354.8 EL2 547.2 ALF 82.00

LAUNCH DATE MAY 17 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 431.436

RL 151.28 LAL -.00 LOL 235.42 VL 27.082 GAL 2.61 AZL 84.91 MCA 188.39 SMA 129.97 ECC .17002 INC 5.0930 V1 29.452
 RP 107.92 LAP -.74 LOP 63.78 VP 37.925 GAP -.66 AZP 95.04 TAL 167.05 TAP 355.44 RCA 107.88 APO 152.07 V2 35.113
 RC 84.440 GL 42.19 GP -66.30 ZAL 75.90 ZAP 87.91 ETS 5.73 ZAE 117.92 ETE 264.79 ZAC 109.59 ETC 351.65 CLP -84.80

PLANETOCENTRIC CONIC

C3 12.789 VML 3.576 DLA 43.98 RAL 186.94 RAD 6567.5 VEL 11.583 PTH 2.03 VMP 6.015 DPA -48.98 RAP 130.61 ECC 1.2105
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.83 22 26 2 4123.86 -33.18 185.62 54.29 59.29 23 34 46 3523.9 -36.97 177.42
 125.17 5 57 3 2746.04 -33.17 79.29 54.28 59.28 6 42 49 2146.0 -36.96 71.10
 54.83 22 26 2 4123.86 -33.18 185.62 54.29 59.29 23 34 46 3523.9 -36.97 177.42
 125.17 5 57 3 2746.04 -33.17 79.29 54.28 59.28 6 42 49 2146.0 -36.96 71.10
 54.83 22 26 2 4123.86 -33.18 185.62 54.29 59.29 23 34 46 3523.9 -36.97 177.42
 125.17 5 57 3 2746.04 -33.17 79.29 54.28 59.28 6 42 49 2146.0 -36.96 71.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3474 TRA .2770 TC3 -.8499 BAU .5018 SGT 1029.5 SGR 4276.5 SG3 438.8 ST 586.9 SR 1203.6 SS 719.3
 RDE .2636 RRA 1.6851 RC3 -2.8087 FAU .05134 RRT .8564 RRF .9996 RTF .8518 CRT .6292 CRS -.9978 CST -.5765
 FDE .2490 FRA 1.9811 FC3 -3.4750 BSP -13583 SGB 4398.7 R23 .0330 R13 .9991 LSA 1452.5 MSA 448.1 SSA 2.4
 BDE .4361 BRA 1.7077 BC3 2.9345 FSP -1397 SG1 4367.8 SG2 520.5 THA 78.18 EL1 1267.0 EL2 433.3 ALF 70.58

LAUNCH DATE MAY 17 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 437.782

RL 151.28 LAL -.00 LOL 235.42 VL 27.085 GAL 2.66 AZL 87.24 MCA 191.58 SMA 129.99 ECC .17008 INC 2.7628 V1 29.452
 RP 107.89 LAP -.55 LOP 66.93 VP 37.938 GAP -.23 AZP 92.71 TAL 166.82 TAP 358.41 RCA 107.88 APO 152.10 V2 35.125
 RC 86.655 GL 26.78 GP -56.97 ZAL 72.03 ZAP 90.72 ETS 359.95 ZAE 126.46 ETE 258.01 ZAC 112.62 ETC 352.30 CLP -91.33

PLANETOCENTRIC CONIC

C3 8.382 VML 2.895 DLA 30.09 RAL 178.42 RAD 6567.3 VEL 11.392 PTH 1.97 VMP 4.774 DPA -40.15 RAP 135.36 ECC 1.1379
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.37 0 13 28 3627.28 -25.11 141.93 34.47 72.84 1 13 55 3027.3 -27.22 133.75
 100.63 3 5 35 3072.41 -25.10 101.10 34.47 72.83 3 56 48 2472.4 -27.21 92.92
 79.37 0 13 28 3627.28 -25.11 141.93 34.47 72.84 1 13 55 3027.3 -27.22 133.75
 100.63 3 5 35 3072.41 -25.10 101.10 34.47 72.83 3 56 48 2472.4 -27.21 92.92
 110.00 6 14 30 2479.86 -34.01 58.09 36.35 86.35 6 55 50 1879.9 -34.14 48.85
 110.00 2 3 44 3267.83 -16.81 111.90 30.58 59.79 2 58 11 2667.8 -20.69 104.93

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1960 TRA .3662 TC3 -1.8803 BAU .5041 SGT 1427.4 SGR 3913.5 SG3 661.5 ST 463.4 SR 940.6 SS 745.0
 RDE .0388 RRA 1.3623 RC3 -4.0869 FAU .07952 RRT .9338 RRF .9994 RTF .9316 CRT .6126 CRS -.9936 CST -.5193
 FDE -.0289 FRA 2.6227 FC3 -8.2138 BSP 12893 SGB 4165.7 R23 .0448 R13 .9984 LSA 1230.7 MSA 374.1 SSA 4.2
 BDE .1998 BRA 1.4107 BC3 4.4987 FSP -2116 SG1 4137.6 SG2 483.1 THA 70.92 EL1 989.0 EL2 348.3 ALF 70.72

LAUNCH DATE MAY 17 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 444.121

RL 151.28 LAL -.00 LOL 235.42 VL 27.085 GAL 2.72 AZL 88.57 MCA 194.79 SMA 129.99 ECC .17035 INC 1.4307 V1 29.452
 RP 107.85 LAP -.37 LOP 70.21 VP 37.949 GAP .20 AZP 91.38 TAL 166.55 TAP 1.35 RCA 107.85 APO 152.13 V2 35.137
 RC 88.880 GL 14.71 GP -49.36 ZAL 69.77 ZAP 94.67 ETS 355.67 ZAE 132.75 ETE 250.71 ZAC 115.26 ETC 353.51 CLP -97.18

PLANETOCENTRIC CONIC

C3 7.082 VML 2.661 DLA 18.88 RAL 173.45 RAD 6567.2 VEL 11.335 PTH 1.95 VMP 4.149 DPA -32.61 RAP 137.70 ECC 1.1165
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 41 31 2629.07 -27.00 69.47 25.04 98.88 5 25 20 2029.1 -25.49 61.13
 90.00 21 53 57 4009.15 -6.08 161.30 21.44 62.29 23 0 46 3409.1 -9.75 154.53
 100.00 6 14 24 2329.57 -28.04 47.24 24.83 100.81 6 53 13 1729.6 -26.26 38.88
 100.00 23 3 45 3783.88 -5.15 144.23 20.93 60.51 24 6 49 3183.9 -9.04 137.60
 110.00 7 47 40 2037.75 -30.69 24.35 24.11 105.85 8 21 38 1437.8 -28.21 16.03
 110.00 23 46 58 3648.46 -2.84 132.52 19.50 55.92 24 47 47 3048.5 -7.29 126.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0481 TRA .4565 TC3 -2.8473 BAU .4959 SGT 1840.2 SGR 3518.1 SG3 856.0 ST 331.5 SR 846.0 SS 894.3
 RDE -.1457 RRA 1.1463 RC3 -4.3963 FAU .10304 RRT .9612 RRF .9992 RTF .9598 CRT .7649 CRS -.9903 CST -.6686
 FDE -.5748 FRA 3.1591 FC3 -12.5964 BSP 12258 SGB 3970.3 R23 .0607 R13 .9973 LSA 1251.6 MSA 242.6 SSA 7.7
 BDE .1535 BRA 1.2338 BC3 5.2378 FSP -2750 SG1 3944.4 SG2 452.7 THA 62.92 EL1 885.5 EL2 204.0 ALF 72.35

LAUNCH DATE MAY 17 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 450.447

RL 151.28 LAL -1.00 LOL 235.42 VL 27.082 GAL 2.79 AZL 89.43 HCA 198.01 SMA 129.97 ECC .17082 INC .5659 VI 29.452
 RP 107.82 LAP -.17 LOP 73.43 VP 37.958 GAP .62 AZP 90.54 TAL 166.24 TAP 4.26 RCA 107.77 APO 152.18 V2 35.149
 RC 91.113 GL 5.91 GP -43.02 ZAL 68.46 ZAP 99.24 ETS 352.46 ZAE 137.12 ETE 242.71 ZAC 117.60 ETC 354.96 CLP-102.69

PLANETOCENTRIC CONIC

C3 6.742 VHL 2.597 DLA 10.54 RAL 170.45 RAD 6567.2 VEL 11.320 PTH 1.95 VHP 3.811 OPA -26.15 RAP 138.85 ECC 1.1110
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 46 12 2321.67 -22.02 48.38 18.88 108.27 6 24 53 1721.7 -19.31 40.75
 90.00 20 25 23 4299.33 3.24 177.53 16.68 61.85 21 37 3 3699.3 -.55 170.89
 100.00 7 12 47 2042.40 -22.81 27.55 18.58 109.87 7 46 49 1442.4 -19.89 19.96
 100.00 21 41 29 4053.83 3.97 159.07 16.28 60.35 22 49 3 3453.8 -.00 152.54
 110.00 8 32 56 1791.59 -24.90 7.58 17.66 114.22 9 2 48 1191.6 -21.41 .16
 110.00 22 37 49 3877.42 5.89 144.50 15.09 56.27 23 42 27 3277.4 1.42 138.27

DIFFERENTIAL CORRECTIONS

TDE -.1032 TRA .5497 TC3-3.6121 BAU .4933
 RDE -.2576 RRA .9826 RC3-4.1107 FAU .12013
 FDE-1.1973 FRA 3.5529 FC-15.4253 BSP 11846
 BDE .2775 BRA 1.1259 BC3 5.4722 FSP -3235

MID-COURSE EXECUTION ACCURACY

SGT 2256.8 SGR 3121.6 SG3 1002.9
 RRT .9731 RRF .9988 RTF .9722
 SGB 3851.9 R23 .0777 R13 .9957
 SG1 3828.5 SG2 424.0 THA 54.37

ORBIT DETERMINATION ACCURACY

ST 438.2 SR 874.6 SS 1176.3
 CRT .9861 CRS -.9922 CST -.9586
 LSA 1524.0 MSA 133.9 SSA 13.7
 EL1 976.0 EL2 65.2 ALF 63.58

LAUNCH DATE MAY 17 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 456.756

RL 151.28 LAL -1.00 LOL 235.42 VL 27.078 GAL 2.87 AZL 90.04 HCA 201.23 SMA 129.94 ECC .17149 INC .0297 VI 29.452
 RP 107.78 LAP .02 LOP 76.66 VP 37.965 GAP 1.04 AZP 89.96 TAL 165.89 TAP 7.12 RCA 107.66 APO 152.23 V2 35.160
 RC 93.352 GL -1.46 GP -37.69 ZAL 67.59 ZAP 104.08 ETS 350.07 ZAE 139.82 ETE 234.39 ZAC 119.62 ETC 356.54 CLP-107.90

PLANETOCENTRIC CONIC

C3 6.771 VHL 2.602 DLA 4.39 RAL 168.63 RAD 6567.2 VEL 11.321 PTH 1.95 VHP 3.631 OPA -20.64 RAP 139.39 ECC 1.1114
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 26 51 2125.55 -17.31 35.92 15.79 112.76 7 2 17 1525.5 -14.08 28.74
 90.00 19 30 12 4496.94 9.47 188.70 14.85 63.19 20 45 8 3896.9 5.80 181.95
 100.00 7 50 15 1856.54 -18.04 15.81 15.46 114.25 8 21 12 1256.5 -14.61 8.69
 100.00 20 49 29 4241.18 10.17 169.53 14.48 61.74 22 0 10 3641.2 6.31 162.86
 110.00 9 3 13 1628.17 -19.95 357.47 14.46 118.35 9 30 21 1028.2 -16.01 350.57
 110.00 21 53 0 4042.31 12.02 153.33 13.38 57.76 23 0 22 3442.3 7.68 146.93

DIFFERENTIAL CORRECTIONS

TDE -.2558 TRA .6465 TC3-4.1789 BAU .4997
 RDE -.3130 RRA .8527 RC3-3.6064 FAU .13073
 FDE-1.7794 FRA 3.8095 FC-16.7153 BSP 11711
 BDE .4042 BRA 1.0701 BC3 5.5199 FSP -3558

MID-COURSE EXECUTION ACCURACY

SGT 2661.9 SGR 2746.5 SG3 1099.0
 RRT .9792 RRF .9981 RTF .9787
 SGB 3824.8 R23 .0918 R13 .9939
 SG1 3804.8 SG2 390.2 THA 45.92

ORBIT DETERMINATION ACCURACY

ST 710.7 SR 892.9 SS 1464.6
 CRT .9989 CRS -.9935 CST -.9963
 LSA 1854.2 MSA 93.1 SSA 19.0
 EL1 1140.9 EL2 25.8 ALF 51.49

LAUNCH DATE MAY 17 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 463.048

RL 151.28 LAL -1.00 LOL 235.42 VL 27.071 GAL 2.97 AZL 90.50 HCA 204.46 SMA 129.90 ECC .17235 INC .4996 VI 29.452
 RP 107.75 LAP .21 LOP 79.88 VP 37.970 GAP 1.46 AZP 89.54 TAL 165.50 TAP 9.95 RCA 107.51 APO 152.29 V2 35.170
 RC 95.596 GL -5.13 GP -33.17 ZAL 66.87 ZAP 108.94 ETS 348.33 ZAE 141.14 ETE 226.30 ZAC 121.29 ETC 358.21 CLP-112.82

PLANETOCENTRIC CONIC

C3 6.965 VHL 2.639 DLA -.24 RAL 167.56 RAD 6567.2 VEL 11.329 PTH 1.95 VHP 3.549 OPA -15.92 RAP 139.63 ECC 1.1146
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 56 59 1986.86 -13.47 27.55 14.40 115.14 7 30 6 1386.9 -9.97 20.62
 90.00 18 51 32 4645.48 13.89 197.37 14.45 65.08 20 8 58 4045.5 10.42 190.42
 100.00 8 18 13 1724.83 -14.18 7.93 14.04 116.59 8 46 58 1124.8 -10.50 1.08
 100.00 20 12 59 4382.75 14.60 177.70 14.10 63.62 21 26 2 3782.7 10.94 170.82
 110.00 9 26 13 1512.00 -16.06 350.71 12.98 120.59 9 51 25 912.0 -11.88 344.10
 110.00 21 21 29 4168.34 16.48 160.37 13.04 59.62 22 30 57 3568.3 12.33 153.73

DIFFERENTIAL CORRECTIONS

TDE -.4099 TRA .7441 TC3-4.5982 BAU .5151
 RDE -.3314 RRA .7460 RC3-3.0749 FAU .13568
 FDE-2.2691 FRA 3.9429 FC-16.8657 BSP 11879
 BDE .5271 BRA 1.0536 BC3 5.5316 FSP -3740

MID-COURSE EXECUTION ACCURACY

SGT 3048.2 SGR 2403.1 SG3 1148.8
 RRT .9823 RRF .9970 RTF .9824
 SGB 3881.6 R23 .0997 R13 .9921
 SG1 3865.3 SG2 355.0 THA 38.13

ORBIT DETERMINATION ACCURACY

ST 1015.9 SR 869.6 SS 1705.6
 CRT .9954 CRS -.9936 CST -.9996
 LSA 2165.5 MSA 87.9 SSA 20.0
 EL1 1335.8 EL2 63.6 ALF 40.54

LAUNCH DATE MAY 17 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 469.322

RL 151.28 LAL -1.00 LOL 235.42 VL 27.063 GAL 3.07 AZL 90.86 HCA 207.69 SMA 129.84 ECC .17341 INC .8560 VI 29.452
 RP 107.72 LAP .40 LOP 83.11 VP 37.974 GAP 1.87 AZP 89.24 TAL 165.06 TAP 12.74 RCA 107.33 APO 152.36 V2 35.180
 RC 97.843 GL -8.63 GP -29.33 ZAL 66.16 ZAP 113.67 ETS 347.08 ZAE 141.39 ETE 218.93 ZAC 122.62 ETC 359.91 CLP-117.42

PLANETOCENTRIC CONIC

C3 7.244 VHL 2.691 DLA -3.80 RAL 167.02 RAD 6567.2 VEL 11.342 PTH 1.95 VHP 3.533 OPA -11.91 RAP 139.77 ECC 1.1192
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 21 19 1883.10 -10.39 21.49 14.00 116.49 7 52 42 1283.1 -6.75 14.70
 90.00 18 22 50 4763.15 17.14 204.48 14.86 67.11 19 42 14 4163.2 13.90 197.31
 100.00 8 40 53 1626.44 -11.11 2.24 13.62 117.93 9 7 59 1026.4 -7.29 355.54
 100.00 19 45 58 4495.05 17.88 184.43 14.52 65.64 21 0 53 3895.0 14.44 177.32
 110.00 9 45 3 1425.57 -13.00 345.88 12.51 121.90 10 8 48 825.6 -8.69 339.43
 110.00 20 58 17 4268.68 19.84 166.21 13.49 61.58 22 9 26 3668.7 15.89 159.32

DIFFERENTIAL CORRECTIONS

TDE -.5632 TRA .8424 TC3-4.9044 BAU .5371
 RDE -.3259 RRA .6584 RC3-2.5906 FAU .13613
 FDE-2.6443 FRA 3.9834 FC-16.2696 BSP 12274
 BDE .6507 BRA 1.0692 BC3 5.5466 FSP -3799

MID-COURSE EXECUTION ACCURACY

SGT 3411.3 SGR 2097.4 SG3 1161.1
 RRT .9836 RRF .9953 RTF .9847
 SGB 4004.5 R23 .0998 R13 .9908
 SG1 3991.5 SG2 323.0 THA 31.39

ORBIT DETERMINATION ACCURACY

ST 1316.9 SR 812.8 SS 1887.8
 CRT .9924 CRS -.9927 CST -.9998
 LSA 2439.3 MSA 92.9 SSA 19.2
 EL1 1545.2 EL2 85.2 ALF 31.60

LAUNCH DATE MAY 17 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 475.576

RL 151.28 LAL -.00 LOL 235.42 VL 27.053 GAL 3.20 AZL 91.14 MCA 210.92 SMA 129.77 ECC .17465 INC 1.1428 V1 29.452
 RP 107.69 LAP .59 LOP 86.34 VP 37.975 GAP 2.29 AZP 89.02 TAL 164.57 TAP 15.49 RCA 107.11 APO 152.44 V2 35.190
 RC 100.092 GL -11.29 GP -26.05 ZAL 65.42 ZAP 118.18 ETS 346.18 ZAE 140.90 ETE 212.58 ZAC 123.59 ETC 1.58 CLP-121.71

PLANETOCENTRIC CONIC

C3 7.575 VHL 2.752 DLA -6.62 RAL 166.85 RAD 6567.2 VEL 11.356 PTH 1.96 VHP 3.563 DPA -8.50 RAP 139.91 ECC 1.1247
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 42 3 1802.40 -7.91 16.86 14.23 117.28 8 12 6 1202.4 -4.19 10.16
 90.00 18 0 47 4859.94 19.60 210.52 15.77 69.15 19 21 47 4259.9 16.59 203.14
 100.00 9 0 14 1550.17 -8.64 357.92 13.84 118.73 9 26 5 950.2 -4.74 351.30
 100.00 19 25 17 4587.40 20.38 190.15 15.44 67.64 20 41 44 3987.4 17.17 182.82
 110.00 10 1 16 1359.11 -10.59 342.25 12.67 122.69 10 23 55 759.1 -6.20 335.90
 110.00 20 40 45 4351.23 22.43 171.21 14.44 63.50 21 53 16 3751.2 18.69 164.08

DIFFERENTIAL CORRECTIONS

TDE -.7135 TRA .9426 TC3-5.1147 BAU .5627
 RDE -.3055 RRA .5868 RC3-2.1699 FAU .13294
 FDE-2.9047 FRA 3.9600 FC-15.1940 BSP 12811
 BDE .7762 BRA 1.1103 BC3 5.5560 FSP -3760

MID-COURSE EXECUTION ACCURACY

SGT 3746.4 SGR 1828.5 SG3 1144.3
 RRT .9834 RRF .9928 RTF .9861
 SGB 4168.8 R23 .0930 R13 .9899
 SG1 4158.1 SGT 298.6 THA 25.78

ORBIT DETERMINATION ACCURACY

ST 1601.5 SR 736.1 SS 2014.5
 CRT .9894 CRS -.9908 CST -.9998
 LSA 2674.8 MSA 99.2 SSA 18.4
 EL1 1759.8 EL2 97.4 ALF 24.53

LAUNCH DATE MAY 17 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 481.811

RL 151.28 LAL -.00 LOL 235.42 VL 27.041 GAL 3.33 AZL 91.38 MCA 214.15 SMA 129.69 ECC .17609 INC 1.3803 V1 29.452
 RP 107.66 LAP .78 LOP 89.57 VP 37.975 GAP 2.70 AZP 88.86 TAL 164.05 TAP 18.20 RCA 106.85 APO 152.53 V2 35.199
 RC 102.344 GL -13.34 GP -23.24 ZAL 64.61 ZAP 122.42 ETS 345.56 ZAE 139.93 ETE 207.29 ZAC 124.22 ETC 3.18 CLP-125.69

PLANETOCENTRIC CONIC

C3 7.945 VHL 2.819 DLA -8.91 RAL 166.98 RAD 6567.3 VEL 11.373 PTH 1.96 VHP 3.628 DPA -5.61 RAP 140.12 ECC 1.1308
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 0 24 1737.87 -5.88 13.21 14.91 117.75 8 29 22 1137.9 -2.12 6.55
 90.00 17 43 27 4941.92 21.50 215.78 17.03 71.12 19 5 48 4341.9 18.72 208.21
 100.00 9 17 24 1489.46 -6.64 354.53 14.49 119.21 9 42 13 889.5 -2.70 347.96
 100.00 19 9 8 4665.56 22.32 195.14 16.71 69.58 20 26 53 4065.6 19.34 187.61
 110.00 10 15 45 1306.76 -8.65 339.44 13.26 123.20 10 37 31 706.8 -4.22 333.15
 110.00 20 27 16 4421.02 24.48 175.59 15.73 65.37 21 40 57 3821.0 20.95 168.23

DIFFERENTIAL CORRECTIONS

TDE -.8591 TRA 1.0464 TC3-5.2427 BAU .5893
 RDE -.2762 RRA .5288 RC3-1.8141 FAU .12710
 FDE-3.0613 FRA 3.8988 FC-13.8493 BSP 13392
 BDE .9025 BRA 1.1725 BC3 5.5477 FSP -3637

MID-COURSE EXECUTION ACCURACY

SGT 4052.3 SGR 1595.4 SG3 1106.6
 RRT .9816 RRF .9890 RTF .9868
 SGB 4355.0 R23 .0814 R13 .9892
 SG1 4345.7 SG2 283.9 THA 21.22

ORBIT DETERMINATION ACCURACY

ST 1864.1 SR 650.2 SS 2092.6
 CRT .9852 CRS -.9876 CST -.9998
 LSA 2874.9 MSA 105.4 SSA 17.9
 EL1 1971.4 EL2 105.3 ALF 19.02

LAUNCH DATE MAY 17 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 488.025

RL 151.28 LAL -.00 LOL 235.42 VL 27.028 GAL 3.48 AZL 91.58 MCA 217.39 SMA 129.60 ECC .17772 INC 1.5814 V1 29.452
 RP 107.63 LAP .96 LOP 92.80 VP 37.974 GAP 3.11 AZP 88.74 TAL 163.48 TAP 20.87 RCA 106.57 APO 152.63 V2 35.208
 RC 104.596 GL -14.93 GP -20.83 ZAL 63.73 ZAP 126.37 ETS 345.11 ZAE 138.70 ETE 203.00 ZAC 124.53 ETC 4.68 CLP-129.38

PLANETOCENTRIC CONIC

C3 8.350 VHL 2.890 DLA -10.80 RAL 167.33 RAD 6567.3 VEL 11.390 PTH 1.97 VHP 3.720 DPA -3.19 RAP 140.44 ECC 1.1374
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 17 4 1685.22 -4.20 10.25 15.90 118.03 8 45 9 1085.2 -4.42 3.61
 90.00 17 29 37 5013.03 22.99 220.46 18.54 73.00 18 53 10 4413.0 20.45 212.71
 100.00 9 33 0 1440.21 -5.00 351.79 15.47 119.51 9 57 1 840.2 -1.03 345.25
 100.00 18 56 22 4733.28 23.86 199.58 18.24 71.43 20 15 15 4133.3 21.10 191.87
 110.00 10 29 0 1264.85 -7.08 337.21 14.18 123.53 10 50 5 664.8 -2.62 330.95
 110.00 20 16 51 4481.41 26.14 179.51 17.29 67.15 21 31 33 3881.4 22.82 171.93

DIFFERENTIAL CORRECTIONS

TDE-1.0024 TRA 1.1508 TC3-5.3150 BAU .6173
 RDE -.2441 RRA .4804 RC3-1.5255 FAU .12014
 FDE-3.1466 FRA 3.8023 FC-12.4569 BSP 14060
 BDE 1.0317 BRA 1.2471 BC3 5.5296 FSP -3487

MID-COURSE EXECUTION ACCURACY

SGT 4333.9 SGR 1397.1 SG3 1057.0
 RRT .9782 RRF .9835 RTF .9873
 SGB 4553.5 R23 .0664 R13 .9887
 SG1 4545.1 SG2 -276.7 THA 17.57

ORBIT DETERMINATION ACCURACY

ST 2108.3 SR 565.3 SS 2138.8
 CRT .9793 CRS -.9824 CST -.9998
 LSA 3053.9 MSA 110.7 SSA 17.7
 EL1 2180.0 EL2 110.7 ALF 14.75

LAUNCH DATE MAY 17 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 494.218

RL 151.28 LAL -.00 LOL 235.42 VL 27.013 GAL 3.65 AZL 91.75 MCA 220.63 SMA 129.50 ECC .17953 INC 1.7549 V1 29.452
 RP 107.61 LAP 1.14 LOP 96.04 VP 37.971 GAP 3.52 AZP 88.67 TAL 162.88 TAP 23.51 RCA 106.25 APO 152.75 V2 35.216
 RC 106.849 GL -16.17 GP -18.76 ZAL 62.79 ZAP 130.04 ETS 344.80 ZAE 137.34 ETE 199.55 ZAC 124.56 ETC 6.04 CLP-132.80

PLANETOCENTRIC CONIC

C3 8.788 VHL 2.964 DLA -12.39 RAL 167.88 RAD 6567.3 VEL 11.410 PTH 1.97 VHP 3.834 DPA -1.17 RAP 140.90 ECC 1.1446
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 32 30 1641.68 -2.80 7.81 17.16 118.19 8 59 52 1041.7 .99 1.18
 90.00 17 18 32 5075.95 24.18 224.69 20.25 74.80 18 43 8 4476.0 21.86 216.79
 100.00 9 47 29 1399.76 -3.63 349.56 16.69 119.69 10 10 49 799.8 .34 343.04
 100.00 18 46 14 4793.11 25.10 203.60 19.96 73.20 20 6 7 4193.1 22.56 195.72
 110.00 10 41 23 1230.95 -5.80 335.41 15.35 123.75 11 1 54 631.0 -1.33 329.18
 110.00 20 8 50 4534.68 27.50 183.05 19.04 68.85 21 24 24 3934.7 24.38 175.28

DIFFERENTIAL CORRECTIONS

TDE-1.1416 TRA 1.2589 TC3-5.3349 BAU -.6448
 RDE -.2103 RRA .4409 RC3-1.2895 FAU .11243
 FDE-3.1701 FRA 3.6928 FC-11.0751 BSP 14739
 BDE 1.1609 BRA 1.3338 BC3 5.4885 FSP -3313

MID-COURSE EXECUTION ACCURACY

SGT 4591.2 SGR 1229.2 SG3 1000.4
 RRT .9726 RRF .9757 RTF .9875
 SGB 4752.9 R23 .0509 R13 .9884
 SG1 4744.8 SG2 276.7 THA 14.65

ORBIT DETERMINATION ACCURACY

ST 2331.5 SR 484.0 SS 2156.7
 CRT .9701 CRS -.9739 CST -.9998
 LSA 3210.6 MSA 115.8 SSA 17.5
 EL1 2378.5 EL2 115.2 ALF 11.41

LAUNCH DATE MAY 17 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 500.390

RL 151.28 LAL -1.00 LOL 235.42 VL 26.997 GAL 3.83 AZL 91.91 MCA 223.86 SMA 129.39 ECC .18155 INC 1.9069 V1 29.452
 RP 107.59 LAP 1.32 LOP 99.27 VP 37.966 GAP 3.93 A7P 88.63 TAL 162.24 TAP 26.11 RCA 105.90 APO 152.88 V2 35.223
 RC 109.101 GL -17.13 GP -16.98 ZAL 61.78 ZAP 133.44 ETS 344.56 ZAE 135.96 ETE 196.78 ZAC 124.32 ETC 7.26 CLP-135.97

PLANETOCENTRIC CONIC

C3 9.263 VHL 3.044 DLA -13.75 RAL 168.58 RAD 6567.3 VEL 11.430 PTH 1.98 VHP 3.966 DPA .52 RAP 141.50 ECC 1.1525
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 47 0 1605.38 -1.63 5.78 18.61 118.27 9 13 46 1005.4 2.16 359.16
 90.00 17 9 58 5132.53 25.14 228.56 22.13 76.51 18 35 11 4532.5 23.03 220.52
 100.00 10 1 6 1366.30 -2.50 347.72 18.13 119.80 10 23 53 766.3 1.48 341.20
 100.00 18 38 13 4846.85 26.10 207.27 21.85 74.89 19 59 0 4246.9 23.77 199.25
 110.00 10 53 6 1203.45 -4.76 333.97 16.73 123.89 11 13 10 603.4 -.27 327.75
 110.00 20 2 43 4582.47 28.63 186.31 20.96 70.47 21 19 5 3982.5 25.70 178.36

DIFFERENTIAL CORRECTIONS

TOE-1.2769 TRA 1.3710 TC3-5.3082 BAU .6712
 RDE -.1767 RRA .4085 RC3-1.0962 FAU .10438
 FDE-3.1493 FRA 3.5769 FC3-9.7550 BSP 15397
 BDE 1.2891 BRA 1.4306 BC3 5.4202 FSP -3126

MID-COURSE EXECUTION ACCURACY

SGT 4824.8 SGR 1087.5 SG3 940.4
 RRT .9642 RRF .9650 RTF .9875
 SGB 4945.8 R23 .0362 R13 .9880
 SG1 4937.8 SG2 281.8 TMA 12.30

ORBIT DETERMINATION ACCURACY

ST 2534.4 SR 409.2 SS 2153.7
 CRT .9554 CRS -.9601 CST -.9998
 LSA 3348.8 MSA 120.5 SSA 17.4
 EL1 2564.4 EL2 119.4 ALF 8.79

LAUNCH DATE MAY 17 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 506.540

RL 151.28 LAL -1.00 LOL 235.42 VL 26.980 GAL 4.03 AZL 92.04 MCA 227.11 SMA 129.27 ECC .18376 INC 2.0421 V1 29.452
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.960 GAP 4.34 A7P 88.61 TAL 161.57 TAP 28.67 RCA 105.52 APO 153.03 V2 35.230
 RC 111.351 GL -17.86 GP -15.44 ZAL 60.71 ZAP 136.59 ETS 344.37 ZAE 134.61 ETE 194.56 ZAC 123.86 ETC 8.33 CLP-138.91

PLANETOCENTRIC CONIC

C3 9.779 VHL 3.127 DLA -14.91 RAL 169.41 RAD 6567.4 VEL 11.453 PTH 1.99 VHP 4.113 DPA 1.90 RAP 142.24 ECC 1.1609
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 0 45 1575.04 -.65 4.09 20.24 118.31 9 27 1 975.0 3.14 357.46
 90.00 17 2 31 5184.11 25.91 232.14 24.14 78.15 18 28 56 4584.1 24.01 223.98
 100.00 10 14 2 1338.60 -1.57 346.20 19.73 119.86 10 36 21 738.6 2.42 339.68
 100.00 18 31 56 4895.78 26.92 210.68 23.88 76.50 19 53 32 4295.8 24.80 202.52
 110.00 11 4 17 1181.21 -3.91 332.80 18.27 123.99 11 23 58 581.2 .58 326.59
 110.00 19 58 10 4625.94 29.58 189.33 23.03 72.04 21 15 16 4025.9 26.84 181.22

DIFFERENTIAL CORRECTIONS

TOE-1.4082 TRA 1.4885 TC3-5.2424 BAU .6962
 RDE -.1436 RRA .3821 RC3 -.9377 FAU .09634
 FDE-3.0947 FRA 3.4622 FC3-8.5297 BSP 16022
 BDE 1.4155 BRA 1.5367 BC3 5.3256 FSP -2933

MID-COURSE EXECUTION ACCURACY

SGT 5037.1 SGR 968.6 SG3 879.9
 RRT .9524 RRF .9507 RTF .9874
 SGB 5129.3 R23 .0235 R13 .9877
 SG1 5121.1 SG2 290.4 TMA 10.41

ORBIT DETERMINATION ACCURACY

ST 2717.3 SR 341.8 SS 2133.8
 CRT .9312 CRS -.9371 CST -.9998
 LSA 3469.5 MSA 125.3 SSA 17.2
 EL1 2735.9 EL2 123.8 ALF 6.69

LAUNCH DATE MAY 17 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 512.667

RL 151.28 LAL -1.00 LOL 235.42 VL 26.962 GAL 4.24 AZL 92.16 MCA 230.35 SMA 129.15 ECC .18618 INC 2.1639 V1 29.452
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.953 GAP 4.76 A7P 88.62 TAL 160.86 TAP 31.21 RCA 105.10 APO 153.20 V2 35.236
 RC 113.598 GL -18.41 GP -14.10 ZAL 59.59 ZAP 139.50 ETS 344.20 ZAE 133.33 ETE 192.78 ZAC 123.19 ETC 9.27 CLP-141.63

PLANETOCENTRIC CONIC

C3 10.339 VHL 3.215 DLA -15.92 RAL 170.36 RAD 6567.4 VEL 11.477 PTH 2.00 VHP 4.273 DPA 3.02 RAP 143.11 ECC 1.1702
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 13 53 1549.76 .16 2.68 22.02 118.32 9 39 43 949.8 3.95 356.04
 90.00 16 56 55 5231.65 26.53 235.48 26.28 79.71 18 24 7 4631.6 24.84 227.22
 100.00 10 26 24 1315.80 -.79 344.95 21.49 119.88 10 48 20 715.8 3.19 338.43
 100.00 18 27 6 4940.84 27.60 213.85 26.04 78.04 19 49 27 4340.8 25.67 205.58
 110.00 11 15 2 1163.44 -3.23 331.87 19.96 124.05 11 34 26 563.4 1.26 325.66
 110.00 19 54 57 4665.97 30.39 192.17 25.23 73.54 21 12 43 4066.0 27.84 183.91

DIFFERENTIAL CORRECTIONS

TOE-1.5340 TRA 1.6137 TC3-5.1350 BAU .7185
 RDE -.1113 RRA .3610 RC3 -.8050 FAU .08826
 FDE-3.0125 FRA 3.3561 FC3-7.3899 BSP 16565
 BDE 1.5380 BRA 1.6535 BC3 5.1977 FSP -2734

MID-COURSE EXECUTION ACCURACY

SGT 5226.6 SGR 868.7 SG3 820.0
 RRT .9363 RRF .9320 RTF .9870
 SGB 5298.3 R23 .0134 R13 .9872
 SG1 5289.7 SG2 301.4 TMA 8.87

ORBIT DETERMINATION ACCURACY

ST 2878.6 SR 282.5 SS 2098.6
 CRT .8896 CRS -.8972 CST -.9998
 LSA 3571.1 MSA 130.4 SSA 17.2
 EL1 2889.5 EL2 128.5 ALF 5.00

LAUNCH DATE MAY 17 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 518.769

RL 151.28 LAL -1.00 LOL 235.42 VL 26.942 GAL 4.46 AZL 92.27 MCA 233.59 SMA 129.02 ECC .18882 INC 2.2747 V1 29.452
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.944 GAP 5.18 A7P 88.65 TAL 160.12 TAP 33.71 RCA 104.66 APO 153.38 V2 35.241
 RC 115.842 GL -18.79 GP -12.94 ZAL 58.42 ZAP 142.21 ETS 344.03 ZAE 132.12 ETE 191.33 ZAC 122.34 ETC 10.06 CLP-144.17

PLANETOCENTRIC CONIC

C3 10.951 VHL 3.309 DLA -16.80 RAL 171.39 RAD 6567.4 VEL 11.504 PTH 2.00 VHP 4.444 DPA 3.92 RAP 144.12 ECC 1.1802
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 26 29 1528.90 .84 1.52 23.92 118.31 9 51 58 928.9 4.61 354.87
 90.00 16 52 37 5275.86 27.03 238.62 28.52 81.21 18 20 33 4675.9 25.53 230.27
 100.00 10 38 16 1297.27 -.17 343.93 23.37 119.89 10 59 53 697.3 3.81 337.41
 100.00 18 23 31 4982.72 28.16 216.84 28.31 79.52 19 46 34 4382.7 26.42 208.47
 110.00 11 25 25 1149.57 -2.71 331.14 21.78 124.09 11 44 34 549.6 1.79 324.94
 110.00 19 52 51 4703.19 31.08 194.85 27.55 74.99 21 11 15 4103.2 28.70 186.46

DIFFERENTIAL CORRECTIONS

TOE-1.6592 TRA 1.7433 TC3-5.0099 BAU .7405
 RDE -.0808 RRA .3432 RC3 -.6973 FAU .08091
 FDE-2.9236 FRA 3.2506 FC3-6.3961 BSP 17127
 BDE 1.6611 BRA 1.7767 BC3 5.0582 FSP -2556

MID-COURSE EXECUTION ACCURACY

SGT 5402.5 SGR 786.0 SG3 763.6
 RRT .9158 RRF .9085 RTF .9867
 SGB 5459.4 R23 .0043 R13 .9868
 SG1 5450.4 SG2 312.9 TMA 7.61

ORBIT DETERMINATION ACCURACY

ST 3026.0 SR 233.3 SS 2058.9
 CRT .8205 CRS -.8299 CST -.9998
 LSA 3665.0 MSA 135.2 SSA 17.0
 EL1 3032.1 EL2 133.1 ALF 3.63

LAUNCH DATE MAY 17 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC
 RL 151.28 LAL -.00 LOL 235.42 VL 26.922 GAL 4.71 AZL 92.38 HCA 236.83 SMA 128.88 ECC .19167 INC 2.3767 V1 29.452
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.934 GAP 5.60 AZP 88.70 TAL 159.35 TAP 36.19 RCA 104.18 APO 153.59 V2 35.246
 RC 118.080 GL -19.05 GP -11.92 ZAL 57.22 ZAP 144.72 ETS 343.85 ZAE 131.00 ETE 190.14 ZAC 121.34 ETC 10.74 CLP-146.55

PLANETOCENTRIC CONIC
 C3 11.620 VML 3.409 DLA -17.57 RAL 172.51 RAD 6567.4 VEL 11.533 PTH 2.01 VMP 4.627 OPA 4.63 RAP 145.25 ECC 1.1912
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 38 35 1512.01 1.38 .58 25.94 118.29 10 3 47 912.0 5.15 353.93
 90.00 16 49 26 5317.31 27.42 241.59 30.86 82.65 18 18 3 4717.3 26.12 233.17
 100.00 10 49 41 1282.58 .33 343.13 25.36 119.89 11 11 3 682.6 4.31 336.60
 100.00 18 21 1 5021.97 28.61 219.67 30.67 80.94 19 44 43 4422.0 27.06 211.21
 110.00 11 35 27 1139.20 -2.31 330.60 23.71 124.11 11 54 26 539.2 2.18 324.40
 110.00 19 51 44 4738.11 31.66 197.41 29.96 76.39 21 10 42 4138.1 29.47 188.89

DIFFERENTIAL CORRECTIONS
 TCE-1.7817 TRA 1.8805 TC3-4.8592 BAU .7607
 ROE -.0514 RRA .3286 RC3 -.6068 FAU .07391
 FDE-2.8263 FRA 3.1531 FC3-5.5067 BSP 17647
 BDE 1.7825 BRA 1.9090 BC3 4.8969 FSP -2385

MID-COURSE EXECUTION ACCURACY
 SGT 5562.0 SGR 717.2 SG3 710.2
 RRT .8901 RRF .8795 RTF .9864
 SGB 5608.0 R23 -.0031 R13 .9864
 SG1 5598.6 SG2 324.8 THA 6.57

ORBIT DETERMINATION ACCURACY
 ST 3157.2 SR 194.5 SS 2013.1
 CRT .7051 CRS -.7166 CST -.9998
 LSA 3746.7 MSA 140.0 SSA 16.9
 EL1 3160.1 EL2 137.8 ALF 2.49

LAUNCH DATE MAY 17 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC
 RL 151.28 LAL -.00 LOL 235.42 VL 26.901 GAL 4.97 AZL 92.47 HCA 240.08 SMA 128.74 ECC .19476 INC 2.4714 V1 29.452
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.923 GAP 6.03 AZP 88.77 TAL 158.56 TAP 38.64 RCA 103.67 APO 153.81 V2 35.250
 RC 120.312 GL -19.20 GP -11.03 ZAL 55.98 ZAP 147.06 ETS 343.63 ZAE 129.98 ETE 189.17 ZAC 120.20 ETC 11.30 CLP-148.77

PLANETOCENTRIC CONIC
 C3 12.355 VML 3.515 DLA -18.25 RAL 173.69 RAD 6567.5 VEL 11.565 PTH 2.02 VMP 4.819 OPA 5.16 RAP 146.49 ECC 1.2033
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 50 13 1498.74 1.81 359.84 28.06 118.26 10 15 11 898.7 5.57 353.18
 90.00 16 47 14 5356.39 27.73 244.41 33.30 84.03 18 16 31 4756.4 26.61 235.92
 100.00 11 0 40 1271.39 .71 342.51 27.45 119.88 11 21 51 671.4 4.68 335.98
 100.00 18 19 28 5058.99 28.98 222.36 33.13 82.31 19 43 47 4459.0 27.61 213.83
 110.00 11 45 9 1132.01 -2.03 330.23 25.74 124.13 12 4 1 532.0 2.46 324.02
 110.00 19 51 28 4771.13 32.17 199.85 32.48 77.76 21 10 59 4171.1 30.15 191.22

DIFFERENTIAL CORRECTIONS
 TCE-1.9021 TRA 2.0255 TC3-4.6899 BAU .7796
 ROE -.0231 RRA .3166 RC3 -.5304 FAU .06741
 FDE-2.7245 FRA 3.0631 FC3-4.7237 BSP 18130
 BDE 1.9022 BRA 2.0501 BC3 4.7198 FSP -2224

MID-COURSE EXECUTION ACCURACY
 SGT 5706.9 SGR 660.1 SG3 660.2
 RRT .8588 RRF .8450 RTF .9859
 SGB 5745.0 R23 -.0091 R13 .9859
 SG1 5735.1 SG2 336.5 THA 5.69

ORBIT DETERMINATION ACCURACY
 ST 3272.7 SR 167.7 SS 1962.7
 CRT .5248 CRS -.5385 CST -.9998
 LSA 3817.0 MSA 144.9 SSA 16.7
 EL1 3273.9 EL2 142.7 ALF 1.54

LAUNCH DATE MAY 17 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC
 RL 151.28 LAL -.00 LOL 235.42 VL 26.879 GAL 5.25 AZL 92.56 HCA 243.33 SMA 128.59 ECC .19809 INC 2.5602 V1 29.452
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.911 GAP 6.46 AZP 88.85 TAL 157.74 TAP 41.06 RCA 103.12 APO 154.07 V2 35.253
 RC 122.538 GL -19.24 GP -10.25 ZAL 54.72 ZAP 149.26 ETS 343.38 ZAE 129.04 ETE 188.36 ZAC 118.94 ETC 11.77 CLP-150.86

PLANETOCENTRIC CONIC
 C3 13.164 VML 3.628 DLA -18.84 RAL 174.93 RAD 6567.5 VEL 11.600 PTH 2.03 VMP 5.021 OPA 5.54 RAP 147.82 ECC 1.2166
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 1 23 1488.87 2.13 359.28 30.27 118.24 10 26 12 888.9 5.89 352.62
 90.00 16 45 56 5393.45 27.96 247.09 35.81 85.36 18 15 50 4793.4 27.03 238.55
 100.00 11 11 15 1263.46 .98 342.08 29.64 119.88 11 32 18 663.5 4.95 335.54
 100.00 18 18 46 5094.10 29.27 224.93 35.67 83.64 19 43 40 4494.1 28.08 216.33
 110.00 11 54 33 1127.77 -1.87 330.01 27.85 124.14 12 13 21 527.8 2.62 323.80
 110.00 19 51 57 4802.55 32.60 202.20 35.08 79.09 21 12 0 4202.5 30.75 193.47

DIFFERENTIAL CORRECTIONS
 TCE-2.0179 TRA 2.1822 TC3-4.4950 BAU .7953
 ROE .0046 RRA .3068 RC3 -.4640 FAU .06114
 FDE-2.6171 FRA 2.9852 FC3-4.0208 BSP 18515
 BDE 2.0179 BRA 2.2036 BC3 4.5189 FSP -2066

MID-COURSE EXECUTION ACCURACY
 SGT 5835.4 SGR 612.8 SG3 613.4
 RRT .8219 RRF .8050 RTF .9854
 SGB 5867.5 R23 -.0137 R13 .9853
 SG1 5857.2 SG2 347.8 THA 4.95

ORBIT DETERMINATION ACCURACY
 ST 3370.1 SR 154.1 SS 1906.9
 CRT .2799 CRS -.2954 CST -.9998
 LSA 3872.3 MSA 150.2 SSA 16.5
 EL1 3370.4 EL2 147.9 ALF .73

LAUNCH DATE MAY 17 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC
 RL 151.28 LAL -.00 LOL 235.42 VL 26.857 GAL 5.55 AZL 92.64 HCA 246.57 SMA 128.44 ECC .20168 INC 2.6440 V1 29.452
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.897 GAP 6.90 AZP 88.95 TAL 156.89 TAP 43.46 RCA 102.54 APO 154.35 V2 35.256
 RC 124.755 GL -19.20 GP -9.56 ZAL 53.43 ZAP 151.31 ETS 343.08 ZAE 128.17 ETE 187.68 ZAC 117.57 ETC 12.15 CLP-152.83

PLANETOCENTRIC CONIC
 C3 14.056 VML 3.749 DLA -19.36 RAL 176.22 RAD 6567.6 VEL 11.638 PTH 2.04 VMP 5.233 OPA 5.78 RAP 149.24 ECC 1.2313
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 12 7 1482.22 2.34 358.91 32.56 118.23 10 36 49 882.2 6.10 352.25
 90.00 16 45 26 5428.72 28.13 249.66 38.40 86.63 18 15 55 4828.7 27.37 241.08
 100.00 11 21 24 1258.62 1.15 341.81 31.90 119.87 11 42 23 658.6 5.11 335.27
 100.00 18 18 50 5127.55 29.50 227.39 38.29 84.91 19 44 18 4527.6 28.48 218.74
 110.00 12 3 38 1126.32 -1.82 329.93 30.05 124.14 12 22 24 526.3 2.67 323.73
 110.00 19 53 6 4832.62 32.96 204.47 37.76 80.38 21 13 39 4232.6 31.28 195.65

DIFFERENTIAL CORRECTIONS
 TCE-2.1357 TRA 2.3455 TC3-4.2961 BAU .8109
 ROE .0313 RRA .2982 RC3 -.4079 FAU .05554
 FDE-2.5169 FRA 2.9104 FC3-3.4209 BSP 18935
 BDE 2.1359 BRA 2.3643 BC3 4.3154 FSP -1928

MID-COURSE EXECUTION ACCURACY
 SGT 5955.2 SGR 573.7 SG3 570.5
 RRT .7798 RRF .7597 RTF .9849
 SGB 5982.7 R23 -.0178 R13 .9848
 SG1 5972.0 SG2 358.1 THA 4.31

ORBIT DETERMINATION ACCURACY
 ST 3458.5 SR 152.9 SS 1853.2
 CRT .0190 CRS -.0348 CST -.9998
 LSA 3923.6 MSA 155.0 SSA 16.2
 EL1 3458.5 EL2 152.8 ALF .05

LAUNCH DATE MAY 17 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 548.870

RL 151.28 LAL -.00 LOL 235.42 VL 26.834 GAL 5.87 AZL 92.72 MCA 249.82 SMA 128.29 ECC .20554 INC 2.7239 V1 29.452
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.882 GAP 7.35 AZP 89.06 TAL 156.03 TAP 45.85 RCA 101.92 APO 154.66 V2 35.258
 RC 126.964 GL -19.09 GP -8.95 ZAL 52.13 ZAP 153.25 ETS 342.72 ZAE 127.39 ETE 187.11 ZAC 116.11 ETC 12.46 CLP-154.69

PLANETOCENTRIC CONIC

C3 15.043 VHL 3.879 OLA -19.81 RAL 177.53 RAD 6567.6 VEL 11.680 PTH 2.05 VHP 5.455 DPA 5.91 RAP 150.74 ECC 1.2476
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 22 23 1478.67 2.46 358.71 34.92 118.22 10 47 2 878.7 6.21 352.05
 90.00 16 45 41 5462.41 28.24 252.12 41.06 87.86 18 16 43 4862.4 27.65 243.50
 100.00 11 31 9 1256.74 1.21 341.71 34.23 119.87 11 52 6 656.7 5.18 335.17
 100.00 18 19 35 5159.57 29.67 229.76 40.97 86.15 19 45 35 4559.6 28.82 221.06
 110.00 12 12 23 1127.53 -1.86 329.99 32.31 124.14 12 31 11 527.5 2.63 323.79
 110.00 19 54 51 4861.54 33.27 206.67 40.52 81.65 21 15 52 4261.5 31.76 197.77

DIFFERENTIAL CORRECTIONS

TOE-2.2528 TRA 2.5184 TC3-4.0878 BAU .8253
 RDE .0574 RRA .2908 RC3 -.3590 FAU .05039
 FDE-2.4191 FRA 2.8427 FC3-2.8998 BSP 19326
 BOE 2.2535 BRA 2.5351 BC3 4.1035 FSP -1801

MID-COURSE EXECUTION ACCURACY

SGT 6063.6 SGR 541.5 SG3 530.9
 RRT .7329 RRF .7097 RTF .9844
 SGB 6087.7 R23 -.0212 R13 .9843
 SG1 6076.6 SG2 367.6 TMA 3.76

ORBIT DETERMINATION ACCURACY

ST 3534.3 SR 161.3 SS 1798.8
 CRT -.2087 CRS .1935 CST -.9998
 LSA 3965.7 MSA 159.8 SSA 16.1
 EL1 3534.5 EL2 157.8 ALF 179.45

LAUNCH DATE MAY 17 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 554.795

RL 151.28 LAL -.00 LOL 235.42 VL 26.810 GAL 6.21 AZL 92.80 MCA 253.07 SMA 128.13 ECC .20970 INC 2.8005 V1 29.452
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.867 GAP 7.81 AZP 89.18 TAL 155.14 TAP 48.21 RCA 101.26 APO 155.00 V2 35.259
 RC 129.165 GL -18.91 GP -8.41 ZAL 50.83 ZAP 155.08 ETS 342.30 ZAE 126.67 ETE 186.62 ZAC 114.56 ETC 12.71 CLP-156.45

PLANETOCENTRIC CONIC

C3 16.137 VHL 4.017 OLA -20.20 RAL 178.87 RAD 6567.6 VEL 11.727 PTH 2.07 VHP 5.686 DPA 5.92 RAP 152.31 ECC 1.2656
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 32 11 1478.10 2.47 358.68 37.35 118.22 10 56 49 878.1 6.23 352.01
 90.00 16 46 35 5494.68 28.30 254.48 43.78 89.04 18 18 10 4894.7 27.87 245.84
 100.00 11 40 29 1257.71 1.18 341.76 36.63 119.87 12 1 26 657.7 5.14 335.22
 100.00 18 20 59 5190.31 29.78 232.03 43.73 87.34 19 47 29 4590.3 29.10 223.30
 110.00 12 20 49 1131.28 -2.01 330.19 34.64 124.13 12 39 41 531.3 2.49 323.99
 110.00 19 57 7 4889.50 33.52 208.81 43.35 82.90 21 18 37 4289.5 32.18 199.84

DIFFERENTIAL CORRECTIONS

TOE-2.3695 TRA 2.7028 TC3-3.8709 BAU .8379
 RDE .0832 RRA .2841 RC3 -.3159 FAU .04561
 FDE-2.3250 FRA 2.7827 FC3-2.4467 BSP 19683
 BOE 2.3709 BRA 2.7177 BC3 3.8838 FSP -1683

MID-COURSE EXECUTION ACCURACY

SGT 6161.7 SGR 514.8 SG3 494.4
 RRT .6816 RRF .6557 RTF .9839
 SGB 6183.1 R23 -.0238 R13 .9838
 SG1 6171.7 SG2 376.0 TMA 3.27

ORBIT DETERMINATION ACCURACY

ST 3598.4 SR 175.9 SS 1744.6
 CRT -.3805 CRS .3664 CST -.9998
 LSA 3999.5 MSA 164.6 SSA 15.9
 EL1 3599.0 EL2 162.6 ALF 178.93

LAUNCH DATE MAY 17 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 560.682

RL 151.28 LAL -.00 LOL 235.42 VL 26.786 GAL 6.58 AZL 92.87 MCA 256.31 SMA 127.97 ECC .21417 INC 2.8744 V1 29.452
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.850 GAP 8.28 AZP 89.32 TAL 154.24 TAP 50.55 RCA 100.56 APO 155.38 V2 35.259
 RC 131.355 GL -18.68 GP -7.92 ZAL 49.52 ZAP 156.81 ETS 341.80 ZAE 126.01 ETE 186.20 ZAC 112.95 ETC 12.90 CLP-158.14

PLANETOCENTRIC CONIC

C3 17.353 VHL 4.166 OLA -20.54 RAL 180.23 RAD 6567.7 VEL 11.779 PTH 2.08 VHP 5.929 DPA 5.85 RAP 153.94 ECC 1.2856
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 41 30 1480.46 2.40 358.81 39.83 118.22 11 6 11 880.5 6.15 352.15
 90.00 16 48 7 5525.67 28.32 256.75 46.56 90.18 18 20 13 4925.7 28.04 248.09
 100.00 11 49 22 1261.45 1.05 341.97 39.08 119.88 12 10 24 661.4 5.02 335.43
 100.00 18 22 56 5219.92 29.86 234.23 46.54 88.49 19 49 56 4619.9 29.33 225.47
 110.00 12 28 55 1137.49 -2.24 330.51 37.02 124.12 12 47 53 537.5 2.25 324.31
 110.00 19 59 53 4916.64 33.73 210.90 46.25 84.12 21 21 49 4316.6 32.55 201.87

DIFFERENTIAL CORRECTIONS

TOE-2.4821 TRA 2.9026 TC3-3.6389 BAU .8466
 RDE .1092 RRA .2782 RC3 -.2771 FAU .04096
 FDE-2.2299 FRA 2.7331 FC3-2.0432 BSP 19922
 BOE 2.4845 BRA 2.9159 BC3 3.6495 FSP -1565

MID-COURSE EXECUTION ACCURACY

SGT 6246.8 SGR 492.8 SG3 460.6
 RRT .6268 RRF .5988 RTF .9833
 SGB 6266.2 R23 -.0256 R13 .9832
 SG1 6254.4 SG2 383.5 TMA 2.84

ORBIT DETERMINATION ACCURACY

ST 3646.8 SR 193.9 SS 1688.1
 CRT -.5021 CRS .4889 CST -.9998
 LSA 4019.6 MSA 169.6 SSA 15.6
 EL1 3648.1 EL2 167.7 ALF 178.47

LAUNCH DATE MAY 17 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 566.528

RL 151.28 LAL -.00 LOL 235.42 VL 26.761 GAL 6.97 AZL 92.95 MCA 259.56 SMA 127.81 ECC .21899 INC 2.9464 V1 29.452
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.832 GAP 8.77 AZP 89.47 TAL 153.33 TAP 52.89 RCA 99.82 APO 155.80 V2 35.259
 RC 133.537 GL -18.40 GP -7.49 ZAL 48.21 ZAP 158.46 ETS 341.20 ZAE 125.41 ETE 185.84 ZAC 111.27 ETC 13.06 CLP-159.75

PLANETOCENTRIC CONIC

C3 18.707 VHL 4.325 OLA -20.82 RAL 181.60 RAD 6567.8 VEL 11.836 PTH 2.10 VHP 6.183 DPA 5.68 RAP 155.63 ECC 1.3079
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 50 20 1485.67 2.23 359.11 42.35 118.24 11 15 6 885.7 5.99 352.44
 90.00 16 50 13 5555.50 28.29 258.93 49.40 91.27 18 22 49 4955.5 28.17 250.26
 100.00 11 57 49 1267.89 .83 342.32 41.57 119.88 12 18 57 667.9 4.80 335.78
 100.00 18 25 25 5248.52 29.89 236.36 49.41 89.61 19 52 54 4648.5 29.52 227.57
 110.00 12 36 41 1146.09 -2.57 330.96 39.45 124.10 12 55 47 546.1 1.92 324.76
 110.00 20 3 3 4943.08 33.90 212.95 49.20 85.32 21 25 26 4343.1 32.88 203.86

DIFFERENTIAL CORRECTIONS

TOE-2.6000 TRA 3.1103 TC3-3.4152 BAU .8563
 RDE .1347 RRA .2722 RC3 -.2433 FAU .03690
 FDE-2.1453 FRA 2.6848 FC3-1.7077 BSP 20237
 BOE 2.6034 BRA 3.1222 BC3 3.4238 FSP -1466

MID-COURSE EXECUTION ACCURACY

SGT 6326.2 SGR 474.3 SG3 429.7
 RRT .5692 RRF .5392 RTF .9829
 SGB 6344.0 R23 -.0273 R13 .9828
 SG1 6332.0 SG2 389.6 TMA 2.45

ORBIT DETERMINATION ACCURACY

ST 3690.4 SR 212.7 SS 1636.3
 CRT -.5869 CRS .5749 CST -.9998
 LSA 4038.7 MSA 173.9 SSA 15.4
 EL1 3692.5 EL2 172.2 ALF 178.06

LAUNCH DATE MAY 17 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 572.329

RL 151.28 LAL - .00 LOL 235.42 VL 26.736 GAL 7.38 AZL 93.02 MCA 262.81 SMA 127.64 ECC .22416 INC 3.0168 V1 29.452
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.813 GAP 9.27 AZP 89.62 TAL 152.40 TAP 55.21 RCA 99.03 APO 156.26 V2 35.257
 RC 135.709 GL -18.08 GP -7.10 ZAL 46.91 ZAP 160.03 ETS 340.50 ZAE 124.85 ETE 185.52 ZAC 109.53 ETC 13.18 CLP-161.29

PLANETOCENTRIC CONIC

C3 20.218 VHL 4.496 DLA -21.06 RAL 182.98 RAD 6567.8 VEL 11.900 PTH 2.11 VHP 6.449 DPA 5.44 RAP 157.35 ECC 1.3327
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 58 39 1493.69 1.97 359.55 44.92 118.25 11 23 33 893.7 5.73 352.89
 90.00 16 52 51 5584.27 28.23 261.03 52.28 92.32 18 25 55 4984.3 28.25 252.36
 100.00 12 5 49 1276.96 .52 342.82 44.11 119.89 12 27 5 677.0 4.50 336.29
 100.00 18 28 23 5276.23 29.89 238.42 52.33 90.70 19 56 19 4676.2 29.66 229.62
 110.00 12 44 5 1157.02 -2.99 331.53 41.92 124.07 13 3 22 557.0 1.50 325.33
 110.00 20 6 36 4968.94 34.03 214.96 52.21 86.50 21 29 25 4368.9 33.17 205.83

DIFFERENTIAL CORRECTIONS

TDE-2.7184 TRA 3.3316 TC3-3.1888 BAU .8638
 RDE .1603 RRA .2662 RC3 -.2129 FAU .03312
 FDE-2.0650 FRA 2.6426 FC3-1.4183 BSP 20520
 BDE 2.7231 BRA 3.3422 BC3 3.1959 FSP -1373

MID-COURSE EXECUTION ACCURACY

SGT 6396.6 SGR 458.8 SG3 401.3
 RRT .5094 RRF .4778 RTF .9824
 SGB 6413.0 R23 -.0285 R13 .9824
 SG1 6400.9 SG2 394.5 TMA 2.10

ORBIT DETERMINATION ACCURACY

ST 3724.1 SR 231.6 SS 1585.6
 CRT -.6472 CRS .6361 CST -.9998
 LSA 4050.2 MSA 178.0 SSA 15.1
 EL1 3727.1 EL2 176.4 ALF 177.69

LAUNCH DATE MAY 17 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 578.080

RL 151.28 LAL - .00 LOL 235.42 VL 26.710 GAL 7.83 AZL 93.09 MCA 266.05 SMA 127.48 ECC .22974 INC 3.0863 V1 29.452
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.793 GAP 9.79 AZP 89.79 TAL 151.47 TAP 57.52 RCA 98.19 APO 156.76 V2 35.255
 RC 137.871 GL -17.72 GP -6.75 ZAL 45.61 ZAP 161.53 ETS 339.68 ZAE 124.33 ETE 185.24 ZAC 107.75 ETC 13.27 CLP-162.77

PLANETOCENTRIC CONIC

C3 21.908 VHL 4.681 DLA -21.25 RAL 184.35 RAD 6567.9 VEL 11.970 PTH 2.13 VHP 6.729 DPA 5.14 RAP 159.12 ECC 1.3605
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 6 27 1504.45 1.62 .15 47.52 118.27 11 31 32 904.5 5.39 353.50
 90.00 16 55 58 5612.07 28.14 263.06 55.20 93.34 18 29 31 5012.1 28.30 254.40
 100.00 12 13 20 1288.61 .13 343.46 46.69 119.89 12 34 49 688.6 4.10 336.93
 100.00 18 31 47 5303.14 29.85 240.42 55.29 91.75 20 0 10 4703.1 29.77 231.61
 110.00 12 51 7 1170.21 -3.49 332.22 44.43 124.03 13 10 37 570.2 1.00 326.02
 110.00 20 10 30 4994.31 34.11 216.94 55.27 87.67 21 33 44 4394.3 33.41 207.77

DIFFERENTIAL CORRECTIONS

TDE-2.8384 TRA 3.5671 TC3-2.9625 BAU .8694
 RDE .1861 RRA .2598 RC3 -.1856 FAU .02960
 FDE-1.9893 FRA 2.6063 FC3-1.1695 BSP 20776
 BDE 2.8445 BRA 3.5766 BC3 2.9683 FSP -1287

MID-COURSE EXECUTION ACCURACY

SGT 6458.6 SGR 445.6 SG3 375.1
 RRT .4479 RRF .4154 RTF .9820
 SGB 6474.0 R23 -.0292 R13 .9820
 SG1 6461.7 SG2 398.2 TMA 1.78

ORBIT DETERMINATION ACCURACY

ST 3749.0 SR 249.9 SS 1536.6
 CRT -.6911 CRS .6807 CST -.9998
 LSA 4055.3 MSA 181.9 SSA 14.8
 EL1 3753.0 EL2 180.4 ALF 177.36

LAUNCH DATE MAY 17 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 583.776

RL 151.28 LAL - .00 LOL 235.42 VL 26.685 GAL 8.30 AZL 93.16 MCA 269.30 SMA 127.31 ECC .23575 INC 3.1552 V1 29.452
 RP 107.50 LAP 3.16 LOP 144.72 VP 37.772 GAP 10.33 AZP 89.96 TAL 150.53 TAP 59.83 RCA 97.29 APO 157.32 V2 35.253
 RC 140.023 GL -17.33 GP -6.44 ZAL 44.34 ZAP 162.98 ETS 338.71 ZAE 123.86 ETE 184.98 ZAC 105.92 ETC 13.35 CLP-164.21

PLANETOCENTRIC CONIC

C3 23.803 VHL 4.879 DLA -21.40 RAL 185.71 RAD 6568.0 VEL 12.049 PTH 2.15 VHP 7.023 DPA 4.76 RAP 160.91 ECC 1.3917
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 13 44 1517.91 1.19 .90 50.15 118.29 11 39 2 917.9 4.96 354.26
 90.00 16 59 33 5638.98 28.01 265.02 58.17 94.31 18 33 32 5039.0 28.32 256.37
 100.00 12 20 23 1302.78 -.35 344.24 49.29 119.89 12 42 6 702.8 3.63 337.71
 100.00 18 35 34 5329.34 29.78 242.36 58.30 92.77 20 4 24 4729.3 29.84 233.56
 110.00 12 57 46 1185.61 -4.08 333.03 46.97 123.97 13 17 32 585.6 .41 326.82
 110.00 20 14 41 5019.28 34.17 218.89 58.37 88.82 21 38 20 4419.3 33.62 209.68

DIFFERENTIAL CORRECTIONS

TDE-2.9601 TRA 3.8180 TC3-2.7377 BAU .8727
 RDE .2123 RRA .2530 RC3 -.1610 FAU .02631
 FDE-1.9182 FRA 2.5753 FC3 -.9570 BSP 21006
 BDE 2.9677 BRA 3.8264 BC3 2.7425 FSP -1208

MID-COURSE EXECUTION ACCURACY

SGT 6512.5 SGR 434.3 SG3 350.9
 RRT .3853 RRF .3524 RTF .9817
 SGB 6527.0 R23 -.0296 R13 .9817
 SG1 6514.7 SG2 400.7 TMA 1.48

ORBIT DETERMINATION ACCURACY

ST 3765.4 SR 267.1 SS 1489.5
 CRT -.7238 CRS .7141 CST -.9998
 LSA 4053.9 MSA 185.4 SSA 14.5
 EL1 3770.4 EL2 184.0 ALF 177.05

LAUNCH DATE MAY 17 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 589.410

RL 151.28 LAL - .00 LOL 235.42 VL 26.659 GAL 8.81 AZL 93.22 MCA 272.55 SMA 127.14 ECC .24223 INC 3.2241 V1 29.452
 RP 107.51 LAP 3.22 LOP 147.97 VP 37.751 GAP 10.89 AZP 90.14 TAL 149.59 TAP 62.14 RCA 96.34 APO 157.94 V2 35.249
 RC 142.165 GL -16.91 GP -6.16 ZAL 43.08 ZAP 164.36 ETS 337.56 ZAE 123.41 ETE 184.75 ZAC 104.06 ETC 13.40 CLP-165.60

PLANETOCENTRIC CONIC

C3 25.933 VHL 5.092 DLA -21.51 RAL 187.05 RAD 6568.0 VEL 12.137 PTH 2.18 VHP 7.334 DPA 4.34 RAP 162.73 ECC 1.4268
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 20 29 1533.98 .67 1.80 52.81 118.31 11 46 3 934.0 4.45 355.16
 90.00 17 3 31 5665.09 27.87 266.91 61.17 95.25 18 37 56 5065.1 28.30 258.27
 100.00 12 26 58 1319.40 -.92 345.15 51.92 119.88 12 48 58 719.4 3.07 338.62
 100.00 18 39 43 5354.91 29.68 244.26 61.34 93.76 20 8 58 4754.9 29.88 235.46
 110.00 13 4 3 1203.15 -4.74 333.95 49.54 123.89 13 24 7 603.1 -.26 327.73
 110.00 20 19 7 5043.92 34.18 220.81 61.51 89.96 21 43 11 4443.9 33.80 211.59

DIFFERENTIAL CORRECTIONS

TDE-3.0812 TRA 4.0888 TC3-2.5105 BAU .8717
 RDE .2388 RRA .2455 RC3 -.1387 FAU .02311
 FDE-1.8493 FRA 2.5520 FC3 -.7716 BSP 21127
 BDE 3.0905 BRA 4.0962 BC3 2.5144 FSP -1128

MID-COURSE EXECUTION ACCURACY

SGT 6557.9 SGR 424.7 SG3 328.7
 RRT .3224 RRF .2899 RTF .9814
 SGB 6571.7 R23 -.0293 R13 .9814
 SG1 6559.4 SG2 401.9 TMA 1.20

ORBIT DETERMINATION ACCURACY

ST 3771.5 SR 283.1 SS 1443.0
 CRT -.7484 CRS .7390 CST -.9998
 LSA 4043.7 MSA 188.9 SSA 14.2
 EL1 3777.5 EL2 187.5 ALF 176.78

LAUNCH DATE MAY 17 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 594.974

RL 151.28 LAL -1.00 LOL 235.42 VL 26.632 GAL 9.35 AZL 93.29 MCA 275.79 SMA 126.97 ECC .24924 INC 3.2932 VI 29.452
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.728 GAP 11.48 AZP 90.33 TAL 148.65 TAP 64.44 RCA 95.32 APO 158.61 V2 35.245
 RC 144.295 GL -16.48 GP -5.90 ZAL 41.85 ZAP 165.70 ETS 336.20 ZAE 122.98 ETE 184.55 ZAC 102.17 ETC 13.45 CLP-166.95

PLANETOCENTRIC CONIC

C3 28.334 VHL 5.323 CLA -21.58 RAL 188.37 RAD 6568.1 VEL 12.236 PTH 2.20 VHP 7.662 DPA 3.86 RAP 164.58 ECC 1.4663
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 26 41 1552.63 .07 2.84 55.48 118.32 11 52 34 952.6 3.85 356.20
 90.00 17 7 52 5690.45 27.69 268.75 64.21 96.16 18 42 43 5090.4 28.26 260.13
 100.00 12 33 4 1338.41 -1.56 346.19 54.57 119.86 12 55 22 738.4 2.42 339.67
 100.00 18 44 11 5379.90 29.55 246.10 64.41 94.73 20 13 51 4779.9 29.89 237.32
 110.00 13 9 57 1222.78 -5.49 334.98 52.13 123.79 13 30 20 622.8 -1.01 328.76
 110.00 20 23 47 5068.29 34.17 222.71 64.68 91.09 21 48 15 4468.3 33.94 213.48

DIFFERENTIAL CORRECTIONS

TDE-3.2095 TRA 4.3732 TC3-2.2948 BAU .8704
 RDE .2657 RRA .2369 RC3 -.1190 FAU .02027
 FDE-1.7884 FRA 2.5306 FC3 -.6194 BSP 21324
 BDE 3.2205 BRA 4.3796 BC3 2.2979 FSP -1061

MID-COURSE EXECUTION ACCURACY

SGT 6597.7 SGR 416.0 SG3 308.2
 RRT .2586 RRF .2267 RTF .9812
 SGB 6610.8 R23 -.0290 R13 .9812
 SG1 6598.5 SG2 401.8 THA .94

ORBIT DETERMINATION ACCURACY

ST 3774.5 SR 297.6 SS 1401.0
 CRT -.7680 CRS .7592 CST -.9999
 LSA 4032.5 MSA 191.5 SSA 13.9
 EL1 3781.4 EL2 190.2 ALF 176.53

LAUNCH DATE MAY 17 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 19 1967

HELIOCENTRIC CONIC

DISTANCE 600.460

RL 151.28 LAL -1.00 LOL 235.42 VL 26.606 GAL 9.94 AZL 93.36 MCA 279.04 SMA 126.80 ECC .25682 INC 3.3631 VI 29.452
 RP 107.53 LAP 3.32 LOP 154.48 VP 37.705 GAP 12.09 AZP 90.53 TAL 147.72 TAP 66.75 RCA 94.23 APO 159.36 V2 35.240
 RC 146.414 GL -16.02 GP -5.67 ZAL 40.65 ZAP 166.99 ETS 334.56 ZAE 122.58 ETE 184.35 ZAC 100.26 ETC 13.48 CLP-168.27

PLANETOCENTRIC CONIC

C3 31.047 VHL 5.572 CLA -21.62 RAL 189.67 RAD 6568.2 VEL 12.346 PTH 2.23 VHP 8.010 DPA 3.34 RAP 166.44 ECC 1.5110
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 32 21 1573.76 -.61 4.02 58.17 118.31 11 58 35 973.8 3.18 357.39
 90.00 17 12 34 5715.13 27.50 270.53 67.26 97.03 18 47 49 5115.1 28.19 261.93
 100.00 12 38 40 1359.73 -2.28 347.36 57.24 119.81 13 1 20 759.7 1.70 340.84
 100.00 18 48 56 5404.39 29.40 247.91 67.50 95.66 20 19 0 4804.4 29.87 239.14
 110.00 13 15 27 1244.43 -6.31 336.13 54.74 123.67 13 36 12 644.4 -1.84 329.89
 110.00 20 28 38 5092.45 34.12 224.60 67.89 92.20 21 53 31 4492.5 34.05 215.35

DIFFERENTIAL CORRECTIONS

TDE-3.3419 TRA 4.6762 TC3-2.0844 BAU .8662
 RDE .2930 RRA .2272 RC3 -.1013 FAU .01760
 FDE-1.7322 FRA 2.5140 FC3 -.4907 BSP 21504
 BDE 3.3547 BRA 4.6817 BC3 2.0868 FSP -998

MID-COURSE EXECUTION ACCURACY

SGT 6630.1 SGR 408.3 SG3 289.2
 RRT .1945 RRF .1637 RTF .9811
 SGB 6642.7 R23 -.0283 R13 .9811
 SG1 6630.6 SG2 400.5 THA .69

ORBIT DETERMINATION ACCURACY

ST 3771.1 SR 310.6 SS 1361.3
 CRT -.7839 CRS .7754 CST -.9999
 LSA 4016.7 MSA 193.7 SSA 13.6
 EL1 3779.0 EL2 192.5 ALF 176.30

LAUNCH DATE MAY 17 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 21 1967

HELIOCENTRIC CONIC

DISTANCE 605.856

RL 151.28 LAL -1.00 LOL 235.42 VL 26.580 GAL 10.57 AZL 93.43 MCA 282.28 SMA 126.63 ECC .26504 INC 3.4343 VI 29.452
 RP 107.55 LAP 3.36 LOP 157.72 VP 37.681 GAP 12.74 AZP 90.73 TAL 146.79 TAP 69.07 RCA 93.07 APO 160.19 V2 35.234
 RC 148.521 GL -15.54 GP -5.46 ZAL 39.47 ZAP 168.24 ETS 332.56 ZAE 122.18 ETE 184.18 ZAC 98.33 ETC 13.52 CLP-169.57

PLANETOCENTRIC CONIC

C3 34.123 VHL 5.842 CLA -21.63 RAL 190.94 RAD 6568.3 VEL 12.470 PTH 2.26 VHP 8.381 DPA 2.78 RAP 168.31 ECC 1.5616
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 37 29 1597.30 -1.37 5.33 60.86 118.29 12 4 6 997.3 2.42 358.70
 90.00 17 17 33 5739.18 27.29 272.26 70.34 97.87 18 53 12 5139.2 28.10 263.68
 100.00 12 43 47 1383.30 -3.08 348.66 59.92 119.75 13 6 51 783.3 .90 342.13
 100.00 18 53 56 5428.41 29.23 249.67 70.62 96.58 20 24 24 4828.4 29.83 240.92
 110.00 13 20 33 1268.05 -7.20 337.38 57.37 123.51 13 41 42 668.1 -2.74 331.12
 110.00 20 33 39 5116.42 34.04 226.47 71.11 93.30 21 58 55 4516.4 34.13 217.22

DIFFERENTIAL CORRECTIONS

TDE-3.4789 TRA 5.0005 TC3-1.8798 BAU .8584
 RDE .3209 RRA .2160 RC3 -.0856 FAU .01507
 FDE-1.6805 FRA 2.5027 FC3 -.3824 BSP 21649
 BDE 3.4937 BRA 5.0051 BC3 1.8817 FSP -939

MID-COURSE EXECUTION ACCURACY

SGT 6656.1 SGR 401.3 SG3 271.7
 RRT .1303 RRF .1012 RTF .9812
 SGB 6668.2 R23 -.0274 R13 .9812
 SG1 6656.3 SG2 397.9 THA .45

ORBIT DETERMINATION ACCURACY

ST 3762.1 SR 322.1 SS 1324.3
 CRT -.7968 CRS .7887 CST -.9999
 LSA 3996.5 MSA 195.3 SSA 13.3
 EL1 3770.8 EL2 194.2 ALF 176.09

LAUNCH DATE MAY 17 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 23 1967

HELIOCENTRIC CONIC

DISTANCE 611.149

RL 151.28 LAL -1.00 LOL 235.42 VL 26.553 GAL 11.24 AZL 93.51 MCA 285.52 SMA 126.46 ECC .27397 INC 3.5072 VI 29.452
 RP 107.57 LAP 3.38 LOP 160.97 VP 37.657 GAP 13.43 AZP 90.94 TAL 145.89 TAP 71.41 RCA 91.81 APO 161.11 V2 35.228
 RC 150.615 GL -15.06 GP -5.27 ZAL 38.33 ZAP 169.45 ETS 330.10 ZAE 121.80 ETE 184.01 ZAC 96.38 ETC 13.55 CLP-170.85

PLANETOCENTRIC CONIC

C3 37.623 VHL 6.134 CLA -21.60 RAL 192.17 RAD 6568.5 VEL 12.609 PTH 2.29 VHP 8.777 DPA 2.18 RAP 170.18 ECC 1.6192
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 42 4 1623.17 -2.21 6.78 63.57 118.24 12 9 7 1023.2 1.59 .15
 90.00 17 22 48 5762.63 27.06 273.94 73.44 98.68 18 58 51 5162.6 27.98 265.39
 100.00 12 48 25 1409.04 -3.95 350.07 62.60 119.65 13 11 54 809.0 .03 343.54
 100.00 18 59 8 5452.00 29.03 251.40 73.75 97.47 20 30 0 4852.0 29.76 242.67
 110.00 13 25 15 1293.57 -8.15 338.73 60.01 123.31 13 46 49 693.6 -3.71 332.46
 110.00 20 38 47 5140.24 33.93 228.32 74.35 94.39 22 4 27 4540.2 34.17 219.08

DIFFERENTIAL CORRECTIONS

TDE-3.6171 TRA 5.3516 TC3-1.6777 BAU .8446
 RDE .3495 RRA .2032 RC3 -.0717 FAU .01257
 FDE-1.6306 FRA 2.4986 FC3 -.2892 BSP 21674
 BDE 3.6339 BRA 5.3554 BC3 1.6792 FSP -879

MID-COURSE EXECUTION ACCURACY

SGT 6675.2 SGR 395.0 SG3 255.5
 RRT .0667 RRF .0399 RTF .9813
 SGB 6686.9 R23 -.0259 R13 .9813
 SG1 6675.3 SG2 394.1 THA .23

ORBIT DETERMINATION ACCURACY

ST 3744.5 SR 332.1 SS 1288.5
 CRT -.8072 CRS .7992 CST -.9999
 LSA 3969.0 MSA 196.7 SSA 13.0
 EL1 3754.1 EL2 195.5 ALF 175.89

LAUNCH DATE MAY 18 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 27 1967

HELIOCENTRIC CONIC

DISTANCE 138.157

RL 151.31 LAL -1.00 LOL 236.39 VL 17.917 GAL 15.58 AZL 92.06 HCA 45.85 SMA 92.60 ECC .66712 INC 2.0632 V1 29.446
 RP 108.85 LAP -1.48 LOP 282.22 VP 31.706 GAP -40.83 AZP 91.44 TAL 171.84 TAP 217.69 RCA 30.83 APO 154.38 V2 34.813
 RC 63.861 GL -2.74 GP 1.65 ZAL 69.97 ZAP 27.50 ETS 185.21 ZAE 147.76 ETE 168.23 ZAC 133.32 ETC 23.45 CLP 27.46

PLANETOCENTRIC CONIC

C3 168.938 VHL 12.998 CLA 2.82 RAL 166.46 RAD 6570.8 VEL 17.037 PTH 2.93 VHP 23.499 OPA 22.06 RAP 133.31 ECC 3.7803
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 25 58 2793.40 -28.17 81.34 64.77 93.05 7 12 32 2193.4 -27.45 72.75
 90.00 19 5 55 5262.27 26.88 237.65 61.90 80.75 20 33 37 4662.3 25.33 229.33
 100.00 7 48 38 2526.79 -29.71 61.64 64.67 93.42 8 30 45 1926.8 -28.92 52.92
 100.00 20 25 57 5004.13 28.41 218.38 61.61 80.29 21 49 21 4404.1 26.78 209.96
 110.00 8 59 54 2303.73 -33.93 44.36 64.33 94.47 9 38 18 1703.7 -32.93 35.26
 110.00 21 31 10 4799.95 32.56 202.00 60.73 78.98 22 51 10 4199.9 30.70 193.28

DIFFERENTIAL CORRECTIONS

TDE .6486 TRA-1.5954 TC3 -.1062 BAU .2438
 RDE -.9045 RRA -.4759 RC3 .0191 FAU .01366
 FDE -.3226 FRA .6022 FC3 -.0700 BSP 2068
 BDE 1.1130 BRA 1.6649 BC3 .1079 FSP -63

MID-COURSE EXECUTION ACCURACY

SGT 808.6 SGR 453.4 SG3 30.4
 RRT .0551 RRF -.0510 RTF -.6235
 SGB 927.0 R23 -.0010 R13 -.6238
 SGI 809.2 SG2 452.3 TMA 2.58

ORBIT DETERMINATION ACCURACY

ST 355.6 SR 403.6 SS 331.2
 CRT -.7016 CRS -.7846 CST .9906
 LSA 590.5 MSA 224.1 SSA 13.9
 EL1 497.0 EL2 205.8 ALF 129.87

LAUNCH DATE MAY 18 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 29 1967

HELIOCENTRIC CONIC

DISTANCE 144.100

RL 151.31 LAL -1.00 LOL 236.39 VL 18.592 GAL 14.96 AZL 92.18 HCA 49.02 SMA 94.22 ECC .63976 INC 2.1814 V1 29.446
 RP 108.87 LAP -1.65 LOP 285.38 VP 32.085 GAP -38.92 AZP 91.43 TAL 171.17 TAP 220.18 RCA 33.94 APO 154.50 V2 34.807
 RC 61.839 GL -3.18 GP 1.70 ZAL 68.92 ZAP 25.99 ETS 185.45 ZAE 148.50 ETE 167.00 ZAC 131.77 ETC 22.82 CLP 25.93

PLANETOCENTRIC CONIC

C3 152.309 VHL 12.341 CLA 2.01 RAL 167.27 RAD 6570.7 VEL 16.542 PTH 2.88 VHP 22.538 OPA 21.71 RAP 135.04 ECC 3.5066
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 35 14 2750.10 -27.97 78.19 63.76 94.62 7 21 4 2150.1 -27.03 69.65
 90.00 19 3 6 5269.43 26.96 238.16 61.73 80.99 20 30 55 4669.4 25.44 229.83
 100.00 7 57 31 2484.71 -29.50 58.53 63.61 95.04 8 38 56 1884.7 -28.49 49.87
 100.00 20 23 30 5010.06 28.48 218.81 61.45 80.51 21 47 0 4410.1 26.87 210.38
 110.00 9 7 55 2264.38 -33.67 41.32 63.12 96.25 9 45 39 1664.4 -32.44 32.30
 110.00 21 29 36 4803.15 32.60 202.25 60.59 79.11 22 49 39 4203.2 30.76 193.51

DIFFERENTIAL CORRECTIONS

TDE .6505 TRA-1.5937 TC3 -.1111 BAU .2307
 RDE -.8654 RRA -.4604 RC3 .0221 FAU .01389
 FDE -.3383 FRA .6225 FC3 -.0790 BSP 2229
 BDE 1.0826 BRA 1.6589 BC3 .1133 FSP -70

MID-COURSE EXECUTION ACCURACY

SGT 845.3 SGR 458.4 SG3 33.0
 RRT .0569 RRF -.0535 RTF -.6435
 SGB 961.6 R23 -.0018 R13 -.6437
 SGI 845.9 SG2 457.4 TMA 2.50

ORBIT DETERMINATION ACCURACY

ST 375.0 SR 406.9 SS 349.6
 CRT -.7020 CRS -.7876 CST .9901
 LSA 612.9 MSA 229.3 SSA 14.1
 EL1 510.8 EL2 212.7 ALF 131.68

LAUNCH DATE MAY 18 1967

FLIGHT TIME 74.00

ARRIVAL DATE JUL 31 1967

HELIOCENTRIC CONIC

DISTANCE 150.127

RL 151.31 LAL -1.00 LOL 236.39 VL 19.221 GAL 14.35 AZL 92.29 HCA 52.18 SMA 95.84 ECC .61305 INC 2.2889 V1 29.446
 RP 108.89 LAP -1.81 LOP 288.55 VP 32.448 GAP -37.11 AZP 91.40 TAL 170.51 TAP 222.69 RCA 37.08 APO 154.59 V2 34.802
 RC 59.876 GL -3.64 GP 1.76 ZAL 67.93 ZAP 24.49 ETS 185.74 ZAE 149.34 ETE 165.62 ZAC 130.20 ETC 22.23 CLP 24.43

PLANETOCENTRIC CONIC

C3 137.391 VHL 11.721 CLA 1.20 RAL 168.01 RAD 6570.5 VEL 16.085 PTH 2.83 VHP 21.613 OPA 21.34 RAP 136.78 ECC 3.2611
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 44 12 2705.98 -27.69 74.99 62.62 96.20 7 29 18 2106.0 -26.54 66.51
 90.00 19 0 0 5275.72 27.02 238.61 61.43 81.21 20 27 56 4675.7 25.53 230.26
 100.00 8 6 6 2441.81 -29.20 55.37 62.43 96.68 8 46 48 1841.8 -27.97 46.78
 100.00 20 20 47 5015.13 28.53 219.18 61.16 80.69 21 44 22 4415.1 26.95 210.73
 110.00 9 15 38 2224.19 -33.33 38.23 61.80 98.05 9 52 42 1624.2 -31.86 29.31
 110.00 21 27 45 4805.51 32.63 202.42 60.32 79.21 22 47 51 4205.5 30.80 193.68

DIFFERENTIAL CORRECTIONS

TDE .6521 TRA-1.5918 TC3 -.1156 BAU .2175
 RDE -.8269 RRA -.4446 RC3 .0256 FAU .01415
 FDE -.3546 FRA .6430 FC3 -.0892 BSP 2386
 BDE 1.0531 BRA 1.6527 BC3 .1184 FSP -77

MID-COURSE EXECUTION ACCURACY

SGT 883.6 SGR 462.9 SG3 35.9
 RRT .0589 RRF -.0562 RTF -.6627
 SGB 997.5 R23 -.0026 R13 -.6630
 SGI 884.2 SG2 461.8 TMA 2.43

ORBIT DETERMINATION ACCURACY

ST 395.2 SR 409.4 SS 368.7
 CRT -.7022 CRS -.7905 CST .9897
 LSA 636.3 MSA 234.0 SSA 14.3
 EL1 525.1 EL2 219.4 ALF 133.55

LAUNCH DATE MAY 18 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 2 1967

HELIOCENTRIC CONIC

DISTANCE 156.234

RL 151.31 LAL -1.00 LOL 236.39 VL 19.808 GAL 13.75 AZL 92.39 HCA 55.34 SMA 97.45 ECC .58709 INC 2.3875 V1 29.446
 RP 108.90 LAP -1.96 LOP 291.71 VP 32.794 GAP -35.40 AZP 91.36 TAL 169.87 TAP 225.21 RCA 40.24 APO 154.67 V2 34.797
 RC 57.979 GL -4.13 GP 1.82 ZAL 67.02 ZAP 23.01 ETS 186.08 ZAE 150.30 ETE 164.05 ZAC 128.61 ETC 21.67 CLP 22.94

PLANETOCENTRIC CONIC

C3 123.995 VHL 11.135 CLA .38 RAL 168.67 RAD 6570.3 VEL 15.663 PTH 2.78 VHP 20.722 OPA 20.96 RAP 138.52 ECC 3.0406
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 52 54 2661.02 -27.31 71.76 61.38 97.78 7 37 15 2061.0 -25.95 63.35
 90.00 18 56 37 5281.21 27.08 239.00 61.00 81.39 20 24 39 4681.2 25.61 230.64
 100.00 8 14 25 2398.06 -28.82 52.18 61.13 98.31 8 54 23 1798.1 -27.37 43.68
 100.00 20 17 47 5019.40 28.58 219.49 60.73 80.85 21 41 27 4419.4 27.02 211.03
 110.00 9 23 4 2183.16 -32.90 35.11 60.37 99.85 9 59 27 1583.2 -31.19 26.30
 110.00 21 25 37 4807.06 32.65 202.54 59.90 79.28 22 45 44 4207.1 30.83 193.79

DIFFERENTIAL CORRECTIONS

TDE .6516 TRA-1.5913 TC3 -.1202 BAU .2051
 RDE -.7890 RRA -.4286 RC3 .0295 FAU .01442
 FDE -.3714 FRA .6640 FC3 -.1007 BSP 2501
 BDE 1.0233 BRA 1.6480 BC3 .1238 FSP -85

MID-COURSE EXECUTION ACCURACY

SGT 924.4 SGR 466.6 SG3 39.0
 RRT .0623 RRF -.0593 RTF -.6805
 SGB 1035.5 R23 -.0025 R13 -.6807
 SGI 925.0 SG2 465.4 TMA 2.41

ORBIT DETERMINATION ACCURACY

ST 415.7 SR 411.3 SS 388.4
 CRT -.7011 CRS -.7932 CST .9890
 LSA 660.1 MSA 238.6 SSA 14.6
 EL1 539.4 EL2 226.1 ALF 135.43

LAUNCH DATE MAY 18 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 4 1967

HELIOCENTRIC CONIC

DISTANCE 162.415

RL 151.31 LAL -1.00 LOL 236.39 VL 20.356 GAL 13.16 AZL 92.48 HCA 58.51 SMA 99.05 ECC .56190 INC 2.4788 V1 29.446
 RP 108.92 LAP -2.11 LOP 294.87 VP 33.124 GAP -33.76 AZP 91.30 TAL 169.26 TAP 227.77 RCA 43.39 APO 154.71 V2 34.793
 RC 56.154 GL -4.65 GP 1.89 ZAL 66.17 ZAP 21.54 ETS 186.49 ZAE 151.37 ETE 162.27 ZAC 127.00 ETC 21.14 CLP 21.46

PLANETOCENTRIC CONIC

C3 111.957 VHL 10.581 DLA -1.43 RAL 169.26 RAD 6570.1 VEL 15.274 PTH 2.74 VMP 19.863 DPA 20.56 RAP 140.28 ECC 2.8425
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 1 18 2615.21 -26.85 68.48 60.02 99.36 7 44 53 2015.2 -25.28 60.17
 90.00 18 52 56 5285.98 27.13 239.34 60.44 81.56 20 21 2 4686.0 25.68 230.98
 100.00 8 22 27 2353.47 -28.33 48.95 59.74 99.95 9 1 40 1753.5 -26.67 40.55
 100.00 20 14 29 5022.96 28.62 219.74 60.18 80.98 21 38 12 4423.0 27.08 211.28
 110.00 9 30 14 2141.29 -32.37 31.95 58.84 101.65 10 5 55 1541.3 -30.42 23.28
 110.00 21 23 11 4807.90 32.67 202.60 59.36 79.32 22 43 19 4207.9 30.85 193.85

DIFFERENTIAL CORRECTIONS

TOE .6530 TRA-1.5881 TC3 -.1235 BAU .1916
 RDE -.7516 RRA -.4122 RC3 .0339 FAU .01473
 FDE -.3890 FRA .6849 FC3 -.1139 BSP 2665
 BDE .9956 BRA 1.6407 BC3 .1280 FSP -94

MID-COURSE EXECUTION ACCURACY

SGT 965.8 SGR 469.7 SG3 42.3
 RRT .0647 RRF -.0624 RTF -.6983
 SGB 1074.0 R23 -.0033 R13 -.6985
 SGI 966.5 SG2 468.4 THA 2.35

ORBIT DETERMINATION ACCURACY

ST 437.8 SR 412.5 SS 409.0
 CRT -.7014 CRS -.7961 CST .9884
 LSA 685.7 MSA 242.3 SSA 14.8
 EL1 555.0 EL2 235.9 ALF 137.43

LAUNCH DATE MAY 18 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 6 1967

HELIOCENTRIC CONIC

DISTANCE 168.664

RL 151.31 LAL -1.00 LOL 236.39 VL 20.867 GAL 12.58 AZL 92.56 HCA 61.67 SMA 100.64 ECC .53756 INC 2.5641 V1 29.446
 RP 108.93 LAP -2.26 LOP 298.03 VP 33.438 GAP -32.21 AZP 91.22 TAL 168.68 TAP 230.34 RCA 46.54 APO 154.74 V2 34.790
 RC 54.407 GL -5.20 GP 1.96 ZAL 65.39 ZAP 20.09 ETS 186.99 ZAE 152.55 ETE 160.23 ZAC 125.37 ETC 20.63 CLP 20.00

PLANETOCENTRIC CONIC

C3 101.134 VHL 10.057 DLA -1.25 RAL 169.78 RAD 6570.0 VEL 14.916 PTH 2.69 VMP 19.035 DPA 20.15 RAP 142.04 ECC 2.6644
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 9 27 2568.55 -26.29 65.18 100.92 7 52 15 1968.6 -24.52 56.96
 90.00 18 48 56 5290.15 27.17 239.64 59.75 81.70 20 17 6 4690.1 25.74 231.27
 100.00 8 30 12 2308.04 -27.76 45.70 58.24 101.57 9 8 40 1708.0 -25.88 37.40
 100.00 20 10 51 5025.89 28.65 219.96 59.49 81.09 21 34 37 4425.9 27.12 211.49
 110.00 9 37 7 2098.59 -31.74 28.78 57.22 103.42 10 12 5 1498.6 -29.57 20.25
 110.00 21 20 26 4808.10 32.67 202.62 58.69 79.32 22 40 34 4208.1 30.85 193.87

DIFFERENTIAL CORRECTIONS

TOE .6548 TRA-1.5834 TC3 -.1256 BAU .1778
 RDE -.7147 RRA -.3958 RC3 .0388 FAU .01508
 FDE -.4076 FRA .7060 FC3 -.1291 BSP 2840
 BDE .9693 BRA 1.6322 BC3 .1315 FSP -104

MID-COURSE EXECUTION ACCURACY

SGT 1008.6 SGR 472.0 SG3 46.0
 RRT .0670 RRF -.0655 RTF -.7155
 SGB 1113.6 R23 -.0042 R13 -.7157
 SGI 1009.2 SG2 470.6 THA 2.29

ORBIT DETERMINATION ACCURACY

ST 461.0 SR 412.8 SS 430.6
 CRT -.7021 CRS -.7992 CST .9879
 LSA 712.7 MSA 245.4 SSA 14.9
 EL1 571.6 EL2 237.1 ALF 139.48

LAUNCH DATE MAY 18 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 8 1967

HELIOCENTRIC CONIC

DISTANCE 174.976

RL 151.31 LAL -1.00 LOL 236.39 VL 21.345 GAL 12.02 AZL 92.64 HCA 64.83 SMA 102.20 ECC .51408 INC 2.6444 V1 29.446
 RP 108.93 LAP -2.39 LOP 301.19 VP 33.735 GAP -30.73 AZP 91.13 TAL 168.12 TAP 232.95 RCA 49.66 APO 154.74 V2 34.787
 RC 52.748 GL -5.78 GP 2.04 ZAL 64.69 ZAP 18.65 ETS 187.58 ZAE 153.83 ETE 157.85 ZAC 123.73 ETC 20.16 CLP 18.54

PLANETOCENTRIC CONIC

C3 91.401 VHL 9.560 DLA -2.08 RAL 170.23 RAD 6569.8 VEL 14.586 PTH 2.64 VMP 18.235 DPA 19.72 RAP 143.80 ECC 2.5042
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 17 20 2521.05 -25.63 61.86 57.02 102.46 7 59 21 1921.0 -23.66 53.74
 90.00 18 44 34 5293.82 27.21 239.91 58.93 81.83 20 12 48 4693.8 25.80 231.52
 100.00 8 37 43 2261.77 -27.08 42.43 56.65 103.16 9 15 24 1661.8 -25.00 34.24
 100.00 20 6 53 5028.33 28.68 220.13 58.68 81.18 21 30 41 4428.3 27.16 211.66
 110.00 9 43 44 2055.09 -31.00 25.61 55.52 105.17 10 17 59 1455.1 -28.61 17.22
 110.00 21 17 21 4807.78 32.66 202.59 57.89 79.31 22 37 28 4207.8 30.85 193.85

DIFFERENTIAL CORRECTIONS

TOE .6567 TRA-1.5777 TC3 -.1267 BAU .1640
 RDE -.6785 RRA -.3793 RC3 .0443 FAU .01546
 FDE -.4272 FRA .7274 FC3 -.1465 BSP 3019
 BDE .9443 BRA 1.6227 BC3 .1342 FSP -115

MID-COURSE EXECUTION ACCURACY

SGT 1053.0 SGR 473.6 SG3 50.0
 RRT .0695 RRF -.0688 RTF -.7320
 SGB 1154.6 R23 -.0051 R13 -.7322
 SGI 1053.6 SG2 472.1 THA 2.24

ORBIT DETERMINATION ACCURACY

ST 445.3 SR 412.3 SS 453.2
 CRT -.7031 CRS -.8023 CST .9875
 LSA 741.1 MSA 247.9 SSA 15.1
 EL1 589.3 EL2 241.5 ALF 141.55

LAUNCH DATE MAY 18 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 10 1967

HELIOCENTRIC CONIC

DISTANCE 181.347

RL 151.31 LAL -1.00 LOL 236.39 VL 21.791 GAL 11.48 AZL 92.72 HCA 67.99 SMA 103.74 ECC .49149 INC 2.7207 V1 29.446
 RP 108.94 LAP -2.52 LOP 304.35 VP 34.017 GAP -29.31 AZP 91.02 TAL 167.60 TAP 235.59 RCA 52.75 APO 154.73 V2 34.786
 RC 51.183 GL -6.40 GP 2.13 ZAL 64.06 ZAP 17.22 ETS 188.32 ZAE 155.20 ETE 155.07 ZAC 122.08 ETC 19.70 CLP 17.10

PLANETOCENTRIC CONIC

C3 82.648 VHL 9.091 DLA -2.91 RAL 170.59 RAD 6569.6 VEL 14.283 PTH 2.60 VMP 17.464 DPA 19.29 RAP 145.56 ECC 2.3602
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 24 59 2472.72 -24.88 58.52 55.40 103.98 8 6 11 1872.7 -22.71 50.52
 90.00 18 39 51 5297.14 27.24 240.14 58.00 81.94 20 8 8 4697.1 25.84 231.75
 100.00 8 44 58 2214.70 -26.31 39.14 54.99 104.73 9 21 53 1614.7 -24.03 31.08
 100.00 20 2 33 5030.39 28.70 220.28 57.75 81.25 21 26 23 4430.4 27.19 211.80
 110.00 9 50 6 2010.80 -30.17 22.42 53.75 106.89 10 23 37 1410.8 -27.56 14.20
 110.00 21 13 54 4807.05 32.65 202.54 56.97 79.28 22 34 1 4207.0 30.83 193.79

DIFFERENTIAL CORRECTIONS

TOE .6563 TRA-1.5734 TC3 -.1274 BAU .1514
 RDE -.6430 RRA -.3628 RC3 .0504 FAU .01587
 FDE -.4476 FRA .7495 FC3 -.1663 BSP 3143
 BDE .9188 BRA 1.6147 BC3 .1370 FSP -126

MID-COURSE EXECUTION ACCURACY

SGT 1100.3 SGR 474.4 SG3 54.3
 RRT .0737 RRF -.0728 RTF -.7469
 SGB 1198.2 R23 -.0053 R13 -.7471
 SGI 1100.9 SG2 472.8 THA 2.23

ORBIT DETERMINATION ACCURACY

ST 509.8 SR 411.1 SS 476.6
 CRT -.7024 CRS -.8051 CST .9866
 LSA 770.1 MSA 250.3 SSA 15.3
 EL1 607.0 EL2 245.7 ALF 143.58

LAUNCH DATE MAY 18 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 187.770

RL 151.31 LAL -1.00 LOL 236.39 VL 22.20H GAL 10.94 AZL 92.79 MCA 71.15 SMA 105.25 ECC .46981 INC 2.7936 V1 29.446
 RP 108.94 LAP -2.64 LOP 307.52 VP 34.284 GAP -27.96 A7P 90.90 TAL 167.11 TAP 238.26 RCA 55.80 APO 154.69 V2 34.784
 RC 49.723 GL -7.06 GP 2.22 ZAL 63.50 ZAP 15.81 ETS 189.22 ZAE 156.65 ETE 151.79 ZAC 120.42 ETC 19.28 CLP 15.65

PLANETOCENTRIC CONIC

C3 74.775 VHL 8.647 DLA -3.75 RAL 170.88 RAD 6569.5 VEL 14.004 PTH 2.55 VHP 16.719 DPA 18.85 RAP 147.32 ECC 2.2306
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 32 23 2423.58 -24.03 55.17 53.70 105.45 8 12 47 1823.6 -21.68 47.29
 90.00 18 34 43 5300.24 27.27 240.37 56.95 82.05 20 3 4 4700.2 25.89 231.97
 100.00 8 51 59 2166.84 -25.44 35.85 53.26 106.25 9 28 5 1566.8 -22.97 27.92
 100.00 19 57 49 5032.22 28.72 220.41 56.71 81.32 21 21 41 4432.2 27.22 211.93
 110.00 9 56 12 1965.78 -29.24 19.25 51.92 108.55 10 28 58 1365.8 -26.43 11.20
 110.00 21 10 5 4806.04 32.64 202.46 55.93 79.24 22 30 11 4206.0 30.81 193.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6584 TRA-1.5652 TC3 -.1254 BAU .1378 SGT 1147.8 SGR 474.5 SG3 59.0 ST 536.3 SR 408.9 SS 501.5
 RDE -.6082 RRA -.3465 RC3 .0573 FAU .01634 RRT .0768 RRF -.0768 RTF -.7619 CRT -.7038 CRS -.8084 CST .9861
 FDE -.4696 FRA .7716 FC3 -.1892 BSP 3328 SGB 1242.1 R23 -.0064 R13 -.7621 LSA 801.7 MSA 251.5 SSA 15.5
 BDE .8964 BRA 1.6031 BC3 .1378 FSP -139 SGI 1148.5 SG2 472.8 THA 2.19 EL1 626.9 EL2 248.5 ALF 145.66

LAUNCH DATE MAY 18 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 194.242

RL 151.31 LAL -1.00 LOL 236.39 VL 22.597 GAL 10.43 AZL 92.86 MCA 74.31 SMA 106.72 ECC .44905 INC 2.8639 V1 29.446
 RP 108.94 LAP -2.76 LOP 310.6H VP 34.537 GAP -26.66 A7P 90.77 TAL 166.66 TAP 240.97 RCA 58.80 APO 154.64 V2 34.784
 RC 48.377 GL -7.76 GP 2.33 ZAL 63.02 ZAP 14.40 ETS 190.35 ZAE 158.15 ETE 147.46 ZAC 118.75 ETC 18.87 CLP 14.21

PLANETOCENTRIC CONIC

C3 67.697 VHL 8.228 DLA -4.59 RAL 171.08 RAD 6569.3 VEL 13.750 PTH 2.51 VHP 16.000 DPA 18.40 RAP 149.07 ECC 2.1141
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 39 34 2373.67 -23.08 51.82 51.94 106.87 8 19 8 1773.7 -20.56 44.06
 90.00 18 29 11 5303.30 27.30 240.58 55.79 82.16 19 57 34 4703.3 25.93 232.18
 100.00 8 58 46 2118.23 -24.47 32.56 51.47 107.72 9 34 4 1518.2 -21.82 24.77
 100.00 19 52 41 5033.97 28.73 220.54 55.56 81.39 21 16 35 4434.0 27.24 212.06
 110.00 10 2 3 1920.08 -28.21 16.09 50.04 110.16 10 34 3 1320.1 -25.20 8.21
 110.00 21 5 53 4804.90 32.63 202.38 54.78 79.19 22 25 57 4204.9 30.79 193.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6609 TRA-1.5556 TC3 -.1213 BAU .1245 SGT 1196.9 SGR 473.8 SG3 64.2 ST 564.1 SR 405.7 SS 527.8
 RDE -.5741 RRA -.3303 RC3 .0648 FAU .01686 RRT .0802 RRF -.0812 RTF -.7763 CRT -.7054 CRS -.8117 CST .9857
 FDE -.4932 FRA .7942 FC3 -.2157 BSP 3519 SGB 1287.3 R23 -.0075 R13 -.7765 LSA 835.2 MSA 252.0 SSA 15.6
 BDE .8755 BRA 1.5902 BC3 .1375 FSP -154 SGI 1197.6 SG2 472.0 THA 2.15 EL1 648.2 EL2 250.2 ALF 147.71

LAUNCH DATE MAY 18 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 200.757

RL 151.31 LAL -1.00 LOL 236.39 VL 22.959 GAL 9.93 AZL 92.93 MCA 77.47 SMA 108.16 ECC .42920 INC 2.9320 V1 29.446
 RP 108.94 LAP -2.86 LOP 313.44 VP 34.776 GAP -25.41 A7P 90.64 TAL 166.24 TAP 243.71 RCA 61.74 APO 154.58 V2 34.784
 RC 47.155 GL -8.49 GP 2.44 ZAL 62.62 ZAP 13.00 ETS 191.79 ZAE 159.67 ETE 143.12 ZAC 117.07 ETC 18.49 CLP 12.77

PLANETOCENTRIC CONIC

C3 61.336 VHL 7.832 DLA -5.45 RAL 171.21 RAD 6569.1 VEL 13.516 PTH 2.47 VHP 15.305 DPA 17.95 RAP 150.82 ECC 2.0094
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 46 33 2323.03 -22.04 48.47 50.13 108.24 8 25 16 1723.0 -19.35 40.83
 90.00 18 23 11 5306.50 27.33 240.81 54.53 82.27 19 51 38 4706.5 25.97 232.41
 100.00 9 5 19 2068.93 -23.41 29.29 49.63 109.14 9 39 48 1468.9 -20.58 21.63
 100.00 19 47 6 5035.83 28.75 220.68 54.30 81.45 21 11 2 4435.8 27.27 212.19
 110.00 10 7 40 1873.74 -27.08 12.96 48.12 111.71 10 38 54 1273.7 -23.89 5.25
 110.00 21 1 15 4803.79 32.61 202.29 53.53 79.14 22 21 19 4203.8 30.77 193.56

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6638 TRA-1.5443 TC3 -.1148 BAU .1116 SGT 1247.5 SGR 472.3 SG3 69.8 ST 593.1 SR 401.6 SS 555.6
 RDE -.5407 RRA -.3144 RC3 .0732 FAU .01744 RRT .0841 RRF -.0861 RTF -.7900 CRT -.7075 CRS -.8152 CST .9852
 FDE -.5186 FRA .8172 FC3 -.2462 BSP 3711 SGB 1333.9 R23 -.0088 R13 -.7902 LSA 870.8 MSA 251.7 SSA 15.8
 BDE .8562 BRA 1.5760 BC3 .1361 FSP -170 SGI 1248.2 SG2 470.3 THA 2.12 EL1 670.9 EL2 250.9 ALF 149.74

LAUNCH DATE MAY 18 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 207.311

RL 151.31 LAL -1.00 LOL 236.39 VL 23.298 GAL 9.45 AZL 93.00 MCA 80.63 SMA 109.55 ECC .41026 INC 2.9984 V1 29.446
 RP 108.94 LAP -2.96 LOP 317.01 VP 35.001 GAP -24.22 A7P 90.49 TAL 165.86 TAP 246.49 RCA 64.61 APO 154.50 V2 34.785
 RC 46.068 GL -9.28 GP 2.57 ZAL 62.31 ZAP 11.61 ETS 193.66 ZAE 161.15 ETE 137.39 ZAC 115.40 ETC 18.13 CLP 11.33

PLANETOCENTRIC CONIC

C3 55.622 VHL 7.458 DLA -6.32 RAL 171.25 RAD 6569.0 VEL 13.303 PTH 2.43 VHP 14.633 DPA 17.49 RAP 152.56 ECC 1.9154
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 53 20 2271.70 -20.91 45.13 48.28 109.54 8 31 12 1671.7 -18.06 37.62
 90.00 18 16 43 5310.02 27.36 241.07 53.18 82.39 19 45 13 4710.0 26.02 232.65
 100.00 9 11 41 2018.98 -22.26 26.02 47.75 110.49 9 45 20 1419.0 -19.27 18.50
 100.00 19 41 4 5037.97 28.78 220.83 52.95 81.53 21 5 2 4438.8 27.30 212.34
 110.00 10 13 3 1826.84 -25.86 9.86 46.17 113.18 10 43 30 1226.8 -22.50 2.32
 110.00 20 56 11 4802.88 32.60 202.22 52.19 79.10 22 16 14 4202.9 30.76 193.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6670 TRA-1.5313 TC3 -.1054 BAU .0995 SGT 1299.3 SGR 470.0 SG3 76.0 ST 623.5 SR 396.5 SS 585.1
 RDE -.5081 RRA -.2989 RC3 .0824 FAU .01808 RRT .0885 RRF -.0918 RTF -.8030 CRT -.7098 CRS -.8186 CST .9848
 FDE -.5461 FRA .8407 FC3 -.2814 BSP 3908 SGB 1381.7 R23 -.0101 R13 -.8032 LSA 908.4 MSA 250.7 SSA 15.9
 BDE .8385 BRA 1.5602 BC3 .1338 FSP -187 SGI 1300.1 SG2 467.9 THA 2.11 EL1 695.1 EL2 250.5 ALF 151.71

LAUNCH DATE MAY 18 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 213.899

RL 151.31 LAL -0.00 LOL 236.39 VL 23.613 GAL 8.98 AZL 93.06 MCA 83.79 SMA 110.91 ECC .39224 INC 3.0637 V1 29.446
 RP 108.93 LAP -3.05 LOP 320.17 VP 35.213 GAP -23.07 AZP 90.33 TAL 165.53 TAP 249.32 RCA 67.41 APO 154.41 V2 34.787
 RC 45.125 GL -10.10 GP 2.71 ZAL 62.07 ZAP 10.24 ETS 196.13 ZAE 162.51 ETE 130.46 ZAC 113.72 ETC 17.78 CLP 9.88

PLANETOCENTRIC CONIC

C3 50.494 VHL 7.106 DLA -7.20 RAL 171.20 RAD 6568.9 VEL 13.109 PTH 2.39 VHP 13.985 DPA 17.04 RAP 154.30 ECC 1.8310
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 59 57 2219.72 -19.69 41.81 46.39 110.77 8 36 56 1619.7 -16.69 34.42
 90.00 18 9 45 5314.08 27.39 241.36 51.74 82.53 19 38 19 4714.1 26.08 232.94
 100.00 9 17 50 1968.44 -21.02 22.78 45.84 111.76 9 50 39 1368.4 -17.88 15.39
 100.00 19 34 32 5040.59 28.80 221.02 51.52 81.63 20 58 33 4440.6 27.34 212.52
 110.00 10 18 12 1779.45 -24.55 6.80 44.20 114.56 10 47 51 1179.5 -21.03 359.42
 110.00 20 50 40 4802.35 32.59 202.18 50.77 79.08 22 10 42 4202.3 30.75 193.45

DIFFERENTIAL CORRECTIONS

TOE .6709 TRA-1.5167 TC3 -.0929 BAU .0885
 RDE -.4763 RRA -.2837 RC3 .0925 FAU .01878
 FDE -.5759 FRA .8650 FC3 -.3220 BSP 4105
 BOE .8228 BRA 1.5431 BC3 .1311 FSP -207

MID-COURSE EXECUTION ACCURACY

SGT 1352.6 SGR 466.9 SG3 82.8
 RRT .0936 RRF -.0982 RTF -.8153
 SGB 1430.9 R23 -.0117 R13 -.8155
 SG1 1353.4 SG2 464.6 THA 2.10

ORBIT DETERMINATION ACCURACY

ST 655.3 SR 390.3 SS 616.5
 CRT -.7124 CRS -.8222 CST .9845
 LSA 948.4 MSA 248.9 SSA 16.1
 EL1 720.9 EL2 248.9 ALF 153.62

LAUNCH DATE MAY 18 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 220.518

RL 151.31 LAL -0.00 LOL 236.39 VL 23.907 GAL 8.53 AZL 93.13 MCA 86.95 SMA 112.22 ECC .37511 INC 3.1281 V1 29.446
 RP 108.93 LAP -3.12 LOP 323.34 VP 35.414 GAP -21.97 AZP 90.17 TAL 165.23 TAP 252.19 RCA 70.12 APO 154.31 V2 34.790
 RC 44.335 GL -10.98 GP 2.86 ZAL 61.92 ZAP 8.89 ETS 199.48 ZAE 163.67 ETE 122.18 ZAC 112.05 ETC 17.46 CLP 8.42

PLANETOCENTRIC CONIC

C3 45.895 VHL 6.775 DLA -8.10 RAL 171.07 RAD 6568.7 VEL 12.933 PTH 2.36 VHP 13.359 DPA 16.59 RAP 156.02 ECC 1.7553
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 6 24 2167.16 -18.39 38.50 44.48 111.92 8 42 31 1567.2 -15.26 31.23
 90.00 18 2 14 5318.87 27.44 241.70 50.22 82.70 19 30 53 4718.9 26.14 233.28
 100.00 9 23 49 1917.37 -19.69 19.57 43.91 112.95 9 53 47 1317.4 -16.42 12.31
 100.00 19 27 29 5043.90 28.83 221.26 50.00 81.75 20 51 33 4443.9 27.39 212.76
 110.00 10 23 8 1731.65 -23.17 3.78 42.22 115.87 10 52 0 1131.6 -19.50 356.56
 110.00 20 44 40 4802.39 32.59 202.19 49.26 79.08 22 4 42 4202.4 30.75 193.46

DIFFERENTIAL CORRECTIONS

TOE .6732 TRA-1.5025 TC3 -.0785 BAU .0797
 RDE -.4453 RRA -.2691 RC3 .1036 FAU .01955
 FDE -.6081 FRA .8904 FC3 -.3688 BSP 4259
 BOE .8072 BRA 1.5264 BC3 .1300 FSP -227

MID-COURSE EXECUTION ACCURACY

SGT 1408.2 SGR 463.0 SG3 90.3
 RRT .1008 RRF -.1059 RTF -.8261
 SGB 1482.4 R23 -.0128 R13 -.8263
 SG1 1409.1 SG2 460.4 THA 2.12

ORBIT DETERMINATION ACCURACY

ST 687.4 SR 382.9 SS 649.7
 CRT -.7139 CRS -.8254 CST .9839
 LSA 989.9 MSA 247.0 SSA 16.2
 EL1 747.1 EL2 246.7 ALF 155.46

LAUNCH DATE MAY 18 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 227.162

RL 151.31 LAL -0.00 LOL 236.39 VL 24.180 GAL 8.10 AZL 93.19 MCA 90.12 SMA 113.48 ECC .35886 INC 3.1922 V1 29.446
 RP 108.92 LAP -3.19 LOP 326.50 VP 35.602 GAP -20.91 AZP 89.99 TAL 164.98 TAP 255.10 RCA 72.76 APO 154.20 V2 34.793
 RC 43.707 GL -11.90 GP 3.03 ZAL 61.86 ZAP 7.58 ETS 204.19 ZAE 164.51 ETE 112.56 ZAC 110.38 ETC 17.15 CLP 6.95

PLANETOCENTRIC CONIC

C3 41.776 VHL 6.463 DLA -9.01 RAL 170.84 RAD 6568.6 VEL 12.773 PTH 2.32 VHP 12.754 DPA 16.15 RAP 157.73 ECC 1.6875
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 12 42 2114.06 -17.01 35.22 42.56 112.99 8 47 56 1514.1 -13.75 28.05
 90.00 17 54 9 5324.63 27.49 242.12 48.63 82.91 19 22 53 4724.6 26.22 233.68
 100.00 9 29 38 1865.83 -18.29 16.38 41.97 114.06 10 0 44 1265.8 -14.89 9.24
 100.00 19 19 53 5048.09 28.87 221.57 48.42 81.91 20 44 1 4448.1 27.45 213.05
 110.00 10 27 52 1683.51 -21.71 .81 40.23 117.08 10 55 56 1083.5 -17.90 353.74
 110.00 20 38 9 4803.18 32.60 202.25 47.70 79.11 21 58 12 4203.2 30.76 193.51

DIFFERENTIAL CORRECTIONS

TDE .6783 TRA-1.4846 TC3 -.0586 BAU .0724
 RDE -.4151 RRA -.2550 RC3 .1157 FAU .02041
 FDE -.6440 FRA .9163 FC3 -.4230 BSP 4456
 BDE .7952 BRA 1.5063 BC3 .1297 FSP -251

MID-COURSE EXECUTION ACCURACY

SGT 1463.8 SGR 458.4 SG3 98.6
 RRT .1079 RRF -.1147 RTF -.8370
 SGB 1533.9 R23 -.0147 R13 -.8372
 SG1 1464.7 SG2 455.4 THA 2.14

ORBIT DETERMINATION ACCURACY

ST 722.0 SR 374.3 SS 685.5
 CRT -.7170 CRS -.8289 CST .9836
 LSA 1035.2 MSA 243.9 SSA 16.3
 EL1 776.2 EL2 242.7 ALF 157.26

LAUNCH DATE MAY 18 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 233.827

RL 151.31 LAL -0.00 LOL 236.39 VL 24.435 GAL 7.68 AZL 93.26 MCA 93.28 SMA 114.69 ECC .34348 INC 3.2563 V1 29.446
 RP 108.90 LAP -3.25 LOP 329.67 VP 35.779 GAP -19.89 AZP 89.81 TAL 164.78 TAP 258.06 RCA 75.30 APO 154.09 V2 34.797
 RC 43.245 GL -12.88 GP 3.22 ZAL 61.89 ZAP 6.34 ETS 211.04 ZAE 164.92 ETE 101.93 ZAC 108.71 ETC 16.86 CLP 5.47

PLANETOCENTRIC CONIC

C3 38.090 VHL 6.172 DLA -9.94 RAL 170.53 RAD 6568.5 VEL 12.628 PTH 2.29 VHP 12.170 DPA 15.72 RAP 159.43 ECC 1.6269
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 18 53 2060.47 -15.56 31.95 40.62 113.96 8 53 14 1460.5 -12.19 24.90
 90.00 17 45 27 5331.58 27.54 242.62 46.98 83.15 19 14 19 4731.6 26.31 234.17
 100.00 9 35 19 1813.88 -16.82 13.22 40.02 115.08 10 5 33 1213.9 -13.30 6.20
 100.00 19 11 42 5053.40 28.92 221.95 46.78 82.11 20 35 56 4453.4 27.53 213.43
 110.00 10 32 24 1635.12 -20.18 357.88 38.24 118.20 10 59 39 1035.1 -16.25 350.96
 110.00 20 31 6 4804.93 32.63 202.38 46.07 79.19 21 51 11 4204.9 30.79 193.64

DIFFERENTIAL CORRECTIONS

TDE .6844 TRA-1.4648 TC3 -.0337 BAU .0678
 RDE -.3856 RRA -.2415 RC3 .1288 FAU .02138
 FDE -.6836 FRA .9431 FC3 -.4859 BSP 4665
 BDE .7855 BRA 1.4845 BC3 .1331 FSP -277

MID-COURSE EXECUTION ACCURACY

SGT 1520.3 SGR 453.0 SG3 107.7
 RRT .1165 RRF -.1250 RTF -.8475
 SGB 1586.4 R23 -.0169 R13 -.8477
 SG1 1521.3 SG2 449.6 THA 2.18

ORBIT DETERMINATION ACCURACY

ST 758.4 SR 364.4 SS 724.0
 CRT -.7205 CRS -.8323 CST .9835
 LSA 1083.7 MSA 240.1 SSA 16.4
 EL1 807.3 EL2 237.4 ALF 159.00

LAUNCH DATE MAY 18 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 240.511

RL 151.31 LAL -.00 LOL 236.39 VL 24.672 GAL 7.28 AZL 93.32 HCA 96.44 SMA 115.86 ECC .32895 INC 3.3209 V1 29.446
 RP 108.89 LAP -3.30 LOP 332.84 VP 35.946 GAP -18.90 AZP 89.63 TAL 164.62 TAP 261.06 RCA 77.75 APO 153.97 V2 34.801
 RC 42.956 GL -13.91 GP 3.43 ZAL 62.00 ZAP 5.24 ETS 221.32 ZAE 164.84 ETE 90.93 ZAC 107.06 ETC 16.58 CLP 3.97

PLANETOCENTRIC CONIC

C3 34.798 VHL 5.899 OLA -10.89 RAL 170.13 RAD 6568.4 VEL 12.497 PTH 2.26 VHP 11.606 DPA 15.31 RAP 161.11 ECC 1.5727
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 24 59 2006.42 -14.03 28.71 38.68 114.85 8 58 25 1406.4 -10.57 21.75
 90.00 17 36 7 5339.95 27.61 243.22 45.28 83.45 19 5 7 4739.9 26.41 234.76
 100.00 9 40 52 1761.58 -15.29 10.10 38.07 116.00 10 10 14 1161.6 -11.67 3.18
 100.00 19 2 55 5060.03 28.99 222.44 45.09 82.35 20 27 15 4460.0 27.62 213.90
 110.00 10 36 46 1586.55 -18.59 355.01 36.26 119.22 11 3 12 986.6 -14.55 348.22
 110.00 20 23 31 4807.81 32.66 202.60 44.40 79.31 21 43 39 4207.8 30.85 193.85

DIFFERENTIAL CORRECTIONS

TDE .6916 TRA-1.4430 TC3 -.0039 BAU .0666
 RDE -.3568 RRA -.2287 RC3 .1430 FAU .02245
 FDE -.7276 FRA .9709 FC3 -.5585 BSP 4875
 BDE .7782 BRA 1.4610 BC3 .1431 FSP -307

MID-COURSE EXECUTION ACCURACY

SGT 1577.4 SGR 446.9 SG3 117.7
 RRT .1267 RRF -.1372 RTF -.8573
 SGB 1639.5 R23 -.0194 R13 -.8576
 SGI 1578.5 SG2 443.0 THA 2.23

ORBIT DETERMINATION ACCURACY

ST 796.6 SR 353.2 SS 765.5
 CRT -.7242 CRS -.8354 CST .9834
 LSA 1135.6 MSA 235.6 SSA 16.5
 EL1 840.2 EL2 230.9 ALF 160.68

LAUNCH DATE MAY 18 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 247.208

RL 151.31 LAL -.00 LOL 236.39 VL 24.892 GAL 6.90 AZL 93.39 HCA 99.60 SMA 116.97 ECC .31524 INC 3.3863 V1 29.446
 RP 108.87 LAP -3.34 LOP 336.01 VP 36.102 GAP -17.96 AZP 89.43 TAL 164.50 TAP 264.10 RCA 80.10 APO 153.85 V2 34.806
 RC 42.841 GL -14.99 GP 3.66 ZAL 62.20 ZAP 4.40 ETS 236.74 ZAE 164.25 ETE 80.36 ZAC 105.43 ETC 16.32 CLP 2.44

PLANETOCENTRIC CONIC

C3 31.863 VHL 5.645 OLA -11.86 RAL 169.63 RAD 6568.3 VEL 12.379 PTH 2.23 VHP 11.062 DPA 14.91 RAP 162.77 ECC 1.5244
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 31 1 1951.96 -12.45 25.50 36.75 115.64 9 3 33 1352.0 -8.90 18.62
 90.00 17 26 7 5349.97 27.68 243.94 43.54 83.80 18 55 17 4750.0 26.54 235.47
 100.00 9 46 20 1708.96 -13.69 7.00 36.12 116.83 10 14 49 1109.0 -9.98 .18
 100.00 18 53 29 5068.20 29.06 223.03 43.35 82.66 20 17 57 4468.2 27.74 214.48
 110.00 10 40 58 1537.89 -16.95 352.19 34.29 120.14 11 6 35 937.9 -12.82 345.52
 110.00 20 15 21 4812.03 32.72 202.91 42.68 79.49 21 35 33 4212.0 30.92 194.15

DIFFERENTIAL CORRECTIONS

TDE .7019 TRA-1.4173 TC3 .0340 BAU .0690
 RDE -.3287 RRA -.2167 RC3 .1583 FAU .02367
 FDE -.7772 FRA .9993 FC3 -.6431 BSP 5136
 BDE .7751 BRA 1.4337 BC3 .1620 FSP -341

MID-COURSE EXECUTION ACCURACY

SGT 1634.0 SGR 440.2 SG3 128.8
 RRT .1384 RRF -.1517 RTF -.8674
 SGB 1692.2 R23 -.0226 R13 -.8677
 SGI 1635.2 SG2 435.6 THA 2.30

ORBIT DETERMINATION ACCURACY

ST 837.9 SR 340.4 SS 810.7
 CRT -.7291 CRS -.8385 CST .9838
 LSA 1192.5 MSA 229.9 SSA 16.5
 EL1 876.6 EL2 222.7 ALF 162.32

LAUNCH DATE MAY 18 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 253.917

RL 151.31 LAL -.00 LOL 236.39 VL 25.096 GAL 6.54 AZL 93.45 HCA 102.77 SMA 118.03 ECC .30235 INC 3.4529 V1 29.446
 RP 108.86 LAP -3.37 LOP 339.18 VP 36.249 GAP -17.04 AZP 89.24 TAL 164.42 TAP 267.19 RCA 82.35 APO 153.72 V2 34.812
 RC 42.900 GL -16.12 GP 3.92 ZAL 62.49 ZAP 4.02 ETS 257.64 ZAE 163.22 ETE 70.88 ZAC 103.81 ETC 16.07 CLP .88

PLANETOCENTRIC CONIC

C3 29.251 VHL 5.408 OLA -12.84 RAL 169.04 RAD 6568.2 VEL 12.273 PTH 2.21 VHP 10.537 DPA 14.55 RAP 164.41 ECC 1.4814
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 37 2 1897.10 -10.82 22.30 34.83 116.33 9 8 39 1297.1 -7.19 15.49
 90.00 17 15 24 5361.90 27.77 244.81 41.76 84.22 18 44 46 4761.9 26.68 236.31
 100.00 9 51 44 1656.09 -12.05 3.94 34.19 117.56 10 19 20 1056.1 -8.26 357.20
 100.00 18 43 25 5078.14 29.14 223.76 41.59 83.03 20 8 1 4478.1 27.87 215.19
 110.00 10 45 1 1489.22 -15.26 349.43 32.34 120.96 11 9 50 889.2 -11.05 342.86
 110.00 20 6 36 4817.78 32.79 203.35 40.95 79.72 21 26 53 4217.8 31.03 194.57

DIFFERENTIAL CORRECTIONS

TDE .7111 TRA-1.3919 TC3 .0748 BAU .0743
 RDE -.3011 RRA -.2055 RC3 .1748 FAU .02499
 FDE -.8322 FRA 1.0297 FC3 -.7396 BSP 5340
 BDE .7723 BRA 1.4070 BC3 .1901 FSP -377

MID-COURSE EXECUTION ACCURACY

SGT 1691.6 SGR 432.9 SG3 141.2
 RRT .1539 RRF -.1695 RTF -.8760
 SGB 1746.1 R23 -.0258 R13 -.8764
 SGI 1693.0 SG2 427.4 THA 2.41

ORBIT DETERMINATION ACCURACY

ST 879.4 SR 326.0 SS 859.1
 CRT -.7322 CRS -.8407 CST .9839
 LSA 1251.9 MSA 224.4 SSA 16.6
 EL1 913.2 EL2 213.8 ALF 163.91

LAUNCH DATE MAY 18 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 260.633

RL 151.31 LAL -.00 LOL 236.39 VL 25.285 GAL 6.19 AZL 93.52 HCA 105.94 SMA 119.04 ECC .29023 INC 3.5213 V1 29.446
 RP 108.84 LAP -3.39 LOP 342.35 VP 36.386 GAP -16.16 AZP 89.03 TAL 164.39 TAP 270.33 RCA 84.49 APO 153.59 V2 34.819
 RC 43.133 GL -17.31 GP 4.21 ZAL 62.87 ZAP 4.27 ETS 279.76 ZAE 161.85 ETE 62.80 ZAC 102.21 ETC 15.83 CLP -.70

PLANETOCENTRIC CONIC

C3 26.932 VHL 5.190 OLA -13.85 RAL 168.36 RAD 6568.1 VEL 12.178 PTH 2.19 VHP 10.031 DPA 14.21 RAP 166.03 ECC 1.4432
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 43 4 1841.84 -9.13 19.11 32.93 116.92 9 13 46 1241.8 -5.45 12.37
 90.00 17 3 56 5375.97 27.86 245.83 39.97 84.73 18 33 32 4776.0 26.84 237.31
 100.00 9 57 6 1602.97 -10.36 .90 32.28 118.20 10 23 49 1003.0 -6.51 354.23
 100.00 18 32 35 5090.07 29.24 224.64 39.81 83.48 19 57 25 4490.1 28.03 216.04
 110.00 10 48 57 1440.58 -13.54 346.71 30.41 121.69 11 12 58 840.6 -9.25 340.24
 110.00 19 57 13 4825.23 32.88 203.91 39.19 80.06 21 17 39 4225.2 31.16 195.11

DIFFERENTIAL CORRECTIONS

TDE .7235 TRA-1.3591 TC3 .1238 BAU .0824
 RDE -.2741 RRA -.1953 RC3 .1924 FAU .02647
 FDE -.8940 FRA 1.0614 FC3 -.8507 BSP 5604
 BDE .7737 BRA 1.3730 BC3 .2288 FSP -418

MID-COURSE EXECUTION ACCURACY

SGT 1744.3 SGR 425.2 SG3 154.8
 RRT .1714 RRF -.1912 RTF -.8853
 SGB 1795.4 R23 -.0307 R13 -.8857
 SGI 1746.0 SG2 418.5 THA 2.54

ORBIT DETERMINATION ACCURACY

ST 923.6 SR 309.9 SS 911.4
 CRT -.7365 CRS -.8419 CST .9846
 LSA 1316.1 MSA 217.4 SSA 16.5
 EL1 952.8 EL2 203.2 ALF 165.44

LAUNCH DATE MAY 18 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 267.354

RL 151.31 LAL -1.00 LOL 236.39 VL 25.461 GAL 5.85 AZL 93.59 MCA 109.10 SMA 120.00 ECC .27888 INC 3.5918 V1 29.446
 RP 108.81 LAP -3.39 LOP 345.53 VP 36.515 GAP -15.31 AZP 88.82 TAL 164.40 TAP 273.50 RCA 86.54 APO 153.47 V2 34.826
 RC 43.534 GL -18.55 GP 4.54 ZAL 63.33 ZAP 5.10 ETS 297.37 ZAE 160.26 ETE 56.13 ZAC 100.64 ETC 15.60 CLP -2.33

PLANETOCENTRIC CONIC

C3 24.880 VML 4.988 DLA -14.87 RAL 167.59 RAD 6568.0 VEL 12.094 PTH 2.16 VMP 9.543 DPA 13.92 RAP 167.62 ECC 1.4095
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 49 11 1786.16 -7.40 15.94 31.06 117.41 9 18 57 1186.2 -3.67 9.25
 90.00 16 51 40 5392.45 27.96 247.02 38.16 85.32 18 21 32 4792.5 27.02 238.48
 100.00 10 2 30 1549.63 -8.62 357.89 30.40 118.73 10 28 19 949.6 -4.72 351.27
 100.00 18 21 2 5104.22 29.34 225.67 38.01 84.02 19 46 7 4504.2 28.20 217.06
 110.00 10 52 48 1392.05 -11.79 344.04 28.50 122.32 11 16 0 792.0 -7.44 337.65
 110.00 19 47 13 4834.57 32.98 204.62 37.43 80.47 21 7 48 4234.6 31.32 195.79

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7345 TRA-1.3359 TC3 .1744 BAU .0912 SGT 1806.3 SGR 417.2 SG3 170.0 ST 968.9 SR 291.9 SS 968.2
 RDE -.2474 RRA -.1859 RC3 .2114 FAU .02810 RRT .1961 RRF -.2177 RTF -.8920 CRT -.7361 CRS -.8418 CST .9846
 FDE -.9638 FRA 1.0951 FC3 -.9779 BSP 5751 SGB 1853.9 R23 -.0340 R13 -.8924 LSA 1384.2 MSA 212.3 SSA 16.5
 BDE .7751 BRA 1.3488 BC3 .2740 FSP -463 SG1 1808.3 SG2 408.6 TMA 2.73 EL1 993.4 EL2 192.7 ALF 167.00

LAUNCH DATE MAY 18 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 274.077

RL 151.31 LAL -1.00 LOL 236.39 VL 25.623 GAL 5.54 AZL 93.67 MCA 112.27 SMA 120.91 ECC .26826 INC 3.6652 V1 29.446
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.636 GAP -14.48 AZP 88.61 TAL 164.45 TAP 276.72 RCA 88.47 APO 153.34 V2 34.834
 RC 44.099 GL -19.84 GP 4.91 ZAL 63.88 ZAP 6.33 ETS 309.31 ZAE 158.54 ETE 50.74 ZAC 99.10 ETC 15.38 CLP -4.00

PLANETOCENTRIC CONIC

C3 25.070 VML 4.803 DLA -15.92 RAL 166.73 RAD 6567.9 VEL 12.019 PTH 2.15 VMP 9.073 DPA 13.68 RAP 169.19 ECC 1.3797
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 55 27 1730.01 -5.63 12.76 29.22 117.80 9 24 17 1130.0 -1.86 6.11
 90.00 16 38 33 5411.61 28.06 248.42 36.34 86.01 18 8 45 4811.6 27.21 239.85
 100.00 10 7 57 1496.03 -6.86 354.89 28.54 119.17 10 32 53 896.0 -2.92 348.32
 100.00 18 8 43 5120.82 29.45 226.90 36.21 84.65 19 34 4 4520.8 28.40 218.25
 110.00 10 56 36 1343.65 -10.02 341.42 26.63 122.85 11 19 0 743.7 -5.62 335.09
 110.00 19 36 34 4845.96 33.11 205.48 35.67 80.97 20 57 20 4246.0 31.51 196.62

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7477 TRA-1.3055 TC3 .2321 BAU .1011 SGT 1862.1 SGR 409.2 SG3 186.9 ST 1015.7 SR 271.7 SS 1029.9
 RDE -.2208 RRA -.1777 RC3 .2316 FAU .02993 RRT .2252 RRF -.2501 RTF -.8990 CRT -.7349 CRS -.8397 CST .9850
 FDE -1.0431 FRA 1.1306 FC3 -1.1233 BSP 5949 SGB 1906.6 R23 -.0390 R13 -.8995 LSA 1457.2 MSA 206.1 SSA 16.4
 BDE .7796 BRA 1.3175 BC3 .3279 FSP -514 SG1 1864.5 SG2 398.2 TMA 2.97 EL1 1035.7 EL2 180.7 ALF 168.52

LAUNCH DATE MAY 18 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 280.800

RL 151.31 LAL -1.00 LOL 236.39 VL 25.773 GAL 5.24 AZL 93.74 MCA 115.44 SMA 121.76 ECC .25836 INC 3.7420 V1 29.446
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.749 GAP -13.69 AZP 88.39 TAL 164.54 TAP 279.98 RCA 90.30 APO 153.22 V2 34.842
 RC 44.820 GL -21.19 GP 5.33 ZAL 64.50 ZAP 7.81 ETS 317.13 ZAE 156.77 ETE 46.43 ZAC 97.60 ETC 15.17 CLP -5.71

PLANETOCENTRIC CONIC

C3 21.481 VML 4.635 DLA -16.98 RAL 165.78 RAD 6567.9 VEL 11.952 PTH 2.13 VMP 8.620 DPA 13.49 RAP 170.75 ECC 1.3535
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 1 56 1673.26 -3.82 9.58 27.42 118.08 9 29 49 1073.3 -.03 2.94
 90.00 16 24 32 5433.76 28.15 250.03 34.53 86.82 17 55 5 4833.8 27.41 241.44
 100.00 10 13 34 1442.13 -5.06 351.90 26.73 119.50 10 37 36 842.1 -1.09 345.36
 100.00 17 55 35 5140.12 29.57 228.32 34.42 85.40 19 21 15 4540.1 28.62 219.64
 110.00 11 0 23 1295.42 -8.22 338.83 24.79 123.30 11 21 59 695.4 -3.79 332.55
 110.00 19 25 15 4859.59 33.25 206.52 33.93 81.57 20 46 14 4259.6 31.73 197.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7624 TRA-1.2739 TC3 .2946 BAU .1115 SGT 1916.9 SGR 401.7 SG3 205.7 ST 1064.2 SR 249.1 SS 1096.8
 RDE -.1942 RRA -.1706 RC3 .2532 FAU .03197 RRT .2610 RRF -.2897 RTF -.9056 CRT -.7300 CRS -.8342 CST .9855
 FDE -1.1330 FRA 1.1684 FC3 -1.2885 BSP 6129 SGB 1958.5 R23 -.0449 R13 -.9062 LSA 1535.3 MSA 199.9 SSA 16.3
 BDE .7868 BRA 1.2853 BC3 .3884 FSP -570 SG1 1919.8 SG2 387.2 TMA 3.26 EL1 1080.0 EL2 167.8 ALF 170.06

LAUNCH DATE MAY 18 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 287.519

RL 151.31 LAL -1.00 LOL 236.39 VL 25.911 GAL 4.96 AZL 93.82 MCA 118.61 SMA 122.57 ECC .24913 INC 3.8230 V1 29.446
 RP 108.74 LAP -3.36 LOP 355.06 VP 36.854 GAP -12.92 AZP 88.17 TAL 164.66 TAP 283.28 RCA 92.03 APO 153.10 V2 34.851
 RC 45.690 GL -22.58 GP 5.81 ZAL 65.19 ZAP 9.47 ETS 322.32 ZAE 155.03 ETE 43.03 ZAC 96.13 ETC 14.96 CLP -7.49

PLANETOCENTRIC CONIC

C3 20.093 VML 4.482 DLA -18.07 RAL 164.76 RAD 6567.8 VEL 11.894 PTH 2.11 VMP 8.185 DPA 13.38 RAP 172.23 ECC 1.3307
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 8 45 1615.75 -1.97 6.36 25.67 118.25 9 35 41 1015.8 1.83 359.73
 90.00 16 9 32 5459.25 28.23 251.89 32.74 87.74 17 40 31 4859.3 27.62 243.28
 100.00 10 19 23 1387.82 -3.23 348.91 24.97 119.73 10 42 31 787.8 .75 342.38
 100.00 17 41 35 5162.41 29.68 229.97 32.65 86.26 19 7 37 4562.4 28.84 221.26
 110.00 11 4 13 1247.35 -6.42 336.28 23.00 123.65 11 25 1 647.3 -1.95 330.04
 110.00 19 13 14 4875.65 33.40 207.75 32.21 82.28 20 34 29 4275.7 31.98 198.81

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7791 TRA-1.2402 TC3 .3614 BAU .1222 SGT 1969.1 SGR 395.2 SG3 226.7 ST 1114.5 SR 223.9 SS 1169.8
 RDE -.1672 RRA -.1649 RC3 .2764 FAU .03424 RRT .3046 RRF -.3377 RTF -.9118 CRT -.7192 CRS -.8234 CST .9861
 FDE -1.2362 FRA 1.2083 FC3 -1.4755 BSP 6326 SGB 2008.3 R23 -.0519 R13 -.9125 LSA 1619.5 MSA 193.7 SSA 16.0
 BDE .7968 BRA 1.2511 BC3 .4550 FSP -634 SG1 1972.9 SG2 375.7 TMA 3.63 EL1 1126.3 EL2 154.0 ALF 171.62

LAUNCH DATE MAY 18 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 294.234

RL 151.31 LAL -.00 LOL 236.39 VL 26.038 GAL 4.69 AZL 93.91 HCA 121.79 SMA 123.32 ECC .24057 INC 3.9091 V1 29.446
 RP 108.71 LAP -3.32 LOP 358.23 VP 36.953 GAP -12.17 AZP 87.94 TAL 164.82 TAP 286.61 RCA 93.65 APO 152.98 V2 34.860
 RC 46.700 GL -24.02 GP 6.36 ZAL 65.95 ZAP 11.28 ETS 325.85 ZAE 153.35 ETE 40.37 ZAC 94.71 ETC 14.76 CLP -9.33

PLANETOCENTRIC CONIC

C3 18.889 VHL 4.346 DLA -19.17 RAL 163.65 RAD 6567.8 VEL 11.844 PTH 2.10 VMP 7.768 DPA 13.35 RAP 173.71 ECC 1.3109
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 16 3 1557.20 -.08 3.10 23.99 118.32 9 42 0 957.2 3.71 356.46
 90.00 15 53 26 5488.54 28.29 254.03 30.97 88.82 17 24 55 4888.5 27.83 245.39
 100.00 10 25 33 1332.94 -1.37 345.89 23.27 119.86 10 47 46 732.9 2.61 339.37
 100.00 17 26 38 5188.04 29.78 231.87 30.91 87.25 18 53 6 4588.0 29.08 223.13
 110.00 11 8 9 1199.40 -4.60 333.75 21.26 123.91 11 28 9 599.4 -.12 327.54
 110.00 19 0 30 4894.34 33.57 209.19 30.54 83.11 20 22 4 4294.3 32.25 200.20

DIFFERENTIAL CORRECTIONS

TOE .7970 TRA-1.2051 TC3 .4312 BAU .1329
 ROE -.1393 RRA -.1605 RC3 .3014 FAU .03679
 FDE-1.3541 FRA 1.2506 FC3-1.6861 BSP 6506
 BOE .8091 BRA 1.2158 BC3 .5261 FSP -706

MID-COURSE EXECUTION ACCURACY

SGT 2018.3 SGR 390.6 SG3 250.1
 RRT .3576 RRF -.3953 RTF -.9175
 SGB 2055.8 R23 -.0602 R13 -.9183
 SG1 2023.3 SG2 363.8 THA 4.09

ORBIT DETERMINATION ACCURACY

ST 1165.6 SR 195.8 SS 1248.9
 CRT -.6969 CRS -.8027 CST .9867
 LSA 1709.1 MSA 187.9 SSA 15.7
 EL1 1173.7 EL2 139.4 ALF 173.23

LAUNCH DATE MAY 18 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 300.942

RL 151.31 LAL -.00 LOL 236.39 VL 26.155 GAL 4.44 AZL 94.00 HCA 124.96 SMA 124.02 ECC .23264 INC 4.0014 V1 29.446
 RP 108.68 LAP -3.28 LOP 37.045 GAP -11.45 AZP 87.70 TAL 165.00 TAP 289.97 RCA 95.17 APO 152.87 V2 34.870
 RC 47.841 GL -25.51 GP 7.00 ZAL 66.77 ZAP 13.22 ETS 328.28 ZAE 151.78 ETE 38.37 ZAC 93.34 ETC 14.56 CLP -11.25

PLANETOCENTRIC CONIC

C3 17.856 VHL 4.226 DLA -20.30 RAL 162.48 RAD 6567.7 VEL 11.800 PTH 2.09 VMP 7.367 DPA 13.42 RAP 175.15 ECC 1.2939
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 24 0 1497.21 1.86 359.75 22.39 118.26 9 48 57 897.2 5.62 353.09
 90.00 15 36 7 5522.18 28.32 256.49 29.23 90.05 17 8 10 4922.2 28.02 247.84
 100.00 10 32 10 1277.21 .52 342.83 21.64 119.89 10 53 28 677.2 4.49 336.30
 100.00 17 10 38 5217.41 29.85 234.05 29.21 88.40 18 37 36 4617.4 29.31 225.28
 110.00 11 12 17 1151.50 -2.78 331.25 19.58 124.08 11 31 29 551.5 1.71 325.04
 110.00 18 47 1 4915.89 33.73 210.85 28.91 84.08 20 8 57 4315.9 32.54 201.81

DIFFERENTIAL CORRECTIONS

TOE .8165 TRA-1.1687 TC3 .5025 BAU .1433
 ROE -.1102 RRA -.1576 RC3 .3285 FAU .03962
 FDE-1.4899 FRA 1.2958 FC3-1.9211 BSP 6669
 BOE .8239 BRA 1.1793 BC3 .6004 FSP -786

MID-COURSE EXECUTION ACCURACY

SGT 2064.2 SGR 389.0 SG3 276.3
 RRT .4204 RRF -.4630 RTF -.9228
 SGB 2100.5 R23 -.0699 R13 -.9238
 SG1 2070.9 SG2 351.8 THA 4.66

ORBIT DETERMINATION ACCURACY

ST 1217.7 SR 164.5 SS 1335.1
 CRT -.6521 CRS -.7621 CST .9875
 LSA 1805.2 MSA 182.3 SSA 15.3
 EL1 1222.5 EL2 124.2 ALF 174.91

LAUNCH DATE MAY 18 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 307.640

RL 151.31 LAL -.00 LOL 236.39 VL 26.263 GAL 4.20 AZL 94.10 HCA 128.14 SMA 124.68 ECC .22532 INC 4.1012 V1 29.446
 RP 108.64 LAP -3.22 LOP 4.60 VP 37.130 GAP -10.75 AZP 87.46 TAL 165.21 TAP 293.35 RCA 96.58 APO 152.77 V2 34.881
 RC 49.103 GL -27.04 GP 7.73 ZAL 67.64 ZAP 15.30 ETS 329.96 ZAE 150.33 ETE 36.94 ZAC 92.02 ETC 14.35 CLP -13.25

PLANETOCENTRIC CONIC

C3 16.980 VHL 4.121 DLA -21.45 RAL 161.24 RAD 6567.7 VEL 11.763 PTH 2.08 VMP 6.984 DPA 13.62 RAP 176.55 ECC 1.2794
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 32 53 1435.10 3.85 356.28 20.88 118.07 9 56 48 835.1 7.58 349.58
 90.00 15 17 22 5561.00 28.28 259.33 27.53 91.47 16 50 3 4961.0 28.19 250.67
 100.00 10 39 28 1220.23 2.45 339.71 20.10 119.80 10 59 48 620.2 6.39 333.14
 100.00 16 53 28 5251.10 29.89 236.55 27.55 89.71 18 20 59 4651.1 29.53 227.76
 110.00 11 16 42 1103.50 -.95 328.74 17.98 124.17 11 35 6 503.5 3.54 322.53
 110.00 18 32 43 4940.59 33.89 212.76 27.34 85.20 19 55 4 4340.6 32.85 203.67

DIFFERENTIAL CORRECTIONS

TOE .8392 TRA-1.1290 TC3 .5768 BAU .1541
 ROE -.0789 RRA -.1565 RC3 .3584 FAU .04283
 FDE-1.6474 FRA 1.3422 FC3-2.1835 BSP 6870
 BOE .8429 BRA 1.1398 BC3 .6790 FSP -879

MID-COURSE EXECUTION ACCURACY

SGT 2105.3 SGR 392.3 SG3 305.5
 RRT .4923 RRF -.5398 RTF -.9282
 SGB 2141.5 R23 -.0811 R13 -.9295
 SG1 2114.4 SG2 340.0 THA 5.38

ORBIT DETERMINATION ACCURACY

ST 1271.9 SR 130.5 SS 1429.4
 CRT -.5567 CRS -.6749 CST .9884
 LSA 1909.6 MSA 176.6 SSA 14.7
 EL1 1274.0 EL2 108.2 ALF 176.71

LAUNCH DATE MAY 18 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 314.329

RL 151.31 LAL -.00 LOL 236.39 VL 26.361 GAL 3.99 AZL 94.21 HCA 131.32 SMA 125.29 ECC .21858 INC 4.2101 V1 29.446
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.210 GAP -10.08 AZP 87.22 TAL 165.44 TAP 296.76 RCA 97.90 APO 152.67 V2 34.891
 RC 50.476 GL -28.61 GP 8.59 ZAL 68.55 ZAP 17.53 ETS 331.09 ZAE 149.01 ETE 36.03 ZAC 90.77 ETC 14.15 CLP -15.35

PLANETOCENTRIC CONIC

C3 16.252 VHL 4.031 DLA -22.63 RAL 159.95 RAD 6567.7 VEL 11.732 PTH 2.07 VMP 6.619 DPA 13.96 RAP 177.92 ECC 1.2675
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 43 5 1369.84 5.94 352.61 19.50 117.74 10 5 55 769.8 9.60 345.85
 90.00 14 56 49 5606.18 28.16 262.63 25.87 93.12 16 30 16 5006.2 28.29 253.97
 100.00 10 47 41 1161.36 4.43 336.46 18.67 119.59 11 7 2 561.4 8.34 329.86
 100.00 16 34 55 5289.90 29.87 239.43 25.94 91.23 18 3 5 4689.9 29.72 230.63
 110.00 11 21 33 1055.17 .90 326.22 16.48 124.17 11 39 8 455.2 5.38 320.00
 110.00 18 17 32 4968.85 34.02 214.95 25.84 86.50 19 40 21 4368.8 33.17 205.82

DIFFERENTIAL CORRECTIONS

TOE .8612 TRA-1.0898 TC3 .6445 BAU .1638
 ROE -.0447 RRA -.1573 RC3 .3914 FAU .04634
 FDE-1.8282 FRA 1.3925 FC3-2.4687 BSP 7011
 BOE .8624 BRA 1.1011 BC3 .7540 FSP -981

MID-COURSE EXECUTION ACCURACY

SGT 2141.0 SGR 402.9 SG3 338.1
 RRT .5711 RRF -.6232 RTF -.9326
 SGB 2178.6 R23 -.0947 R13 -.9343
 SG1 2153.6 SG2 328.8 THA 6.28

ORBIT DETERMINATION ACCURACY

ST 1323.6 SR 97.0 SS 1531.0
 CRT -.3198 CRS -.4536 CST .9891
 LSA 2018.8 MSA 172.0 SSA 14.1
 EL1 1323.9 EL2 91.9 ALF 178.65

LAUNCH DATE MAY 18 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 321.005

RL 151.31 LAL -1.00 LOL 236.39 VL 26.450 GAL 3.78 AZL 94.33 MCA 134.50 SMA 125.85 ECC .21240 INC 4.3303 V1 29.446
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.284 GAP -9.42 AZP 86.96 TAL 165.69 TAP 300.19 RCA 99.12 APO 152.58 V2 34.903
 RC 51.950 GL -30.23 GP 9.59 ZAL 69.49 ZAP 19.92 ETS 331.80 ZAE 147.82 ETE 35.63 ZAC 89.58 ETC 13.94 CLP -17.55

PLANETOCENTRIC CONIC

C3 15.666 VML 3.958 OLA -23.83 RAL 158.60 RAD 6567.6 VEL 11.707 PTH 2.06 VMP 6.271 DPA 14.47 RAP 179.26 ECC 1.2578
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 55 13 1299.67 8.14 348.63 18.27 117.22 10 16 52 699.7 11.73 341.79
 90.00 14 33 56 5659.66 27.90 266.52 24.24 95.06 16 8 16 5059.7 28.31 257.88
 100.00 10 57 12 1099.57 6.50 333.04 17.38 119.24 11 15 32 499.6 10.35 326.37
 100.00 16 14 38 5334.99 29.76 242.78 24.39 92.99 17 43 33 4735.0 29.85 233.98
 110.00 11 26 59 1006.16 2.78 323.66 15.08 124.08 11 43 45 406.2 7.23 317.41
 110.00 18 1 20 5001.16 34.13 217.47 24.44 87.98 19 24 42 4401.2 33.47 208.29

DIFFERENTIAL CORRECTIONS

TOE .8837 TRA-1.0497 TC3 .7038 BAU .1726
 RDE -.0063 RRA -.1603 RC3 .4284 FAU .05018
 FDE-2.0365 FRA 1.4456 FC3-2.7731 BSP 7122
 BDE .8837 BRA 1.0619 BC3 .8240 FSP -1093

MID-COURSE EXECUTION ACCURACY

SGT 2169.5 SGR 423.6 SG3 374.1
 RRT .6514 RRF -.7076 RTF -.9364
 SGB 2210.4 R23 -.1109 R13 -.9386
 SGI 2187.3 SG2 318.8 TMA 7.41

ORBIT DETERMINATION ACCURACY

ST 1373.0 SR 77.3 SS 1640.5
 CRT .2482 CRS .1104 CST .9898
 LSA 2134.0 MSA 168.2 SSA 13.4
 EL1 1373.1 EL2 74.9 ALF .80

LAUNCH DATE MAY 18 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 327.669

RL 151.31 LAL -1.00 LOL 236.39 VL 26.532 GAL 3.59 AZL 94.46 MCA 137.68 SMA 126.37 ECC .20675 INC 4.4645 V1 29.446
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.353 GAP -8.78 AZP 86.70 TAL 165.94 TAP 303.62 RCA 100.24 APO 152.49 V2 34.914
 RC 53.515 GL -31.90 GP 10.77 ZAL 70.46 ZAP 22.50 ETS 332.18 ZAE 146.76 ETE 35.75 ZAC 88.47 ETC 13.71 CLP -19.87

PLANETOCENTRIC CONIC

C3 15.217 VML 3.901 OLA -23.07 RAL 157.20 RAD 6567.6 VEL 11.688 PTH 2.06 VMP 5.943 DPA 15.19 RAP 180.56 ECC 1.2504
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 10 22 1221.30 10.55 344.14 17.24 116.43 10 30 44 621.3 14.02 337.17
 90.00 14 7 39 5724.93 27.42 271.23 22.64 97.37 15 43 4 5124.9 28.15 262.65
 100.00 11 8 39 1033.17 8.69 329.33 16.26 118.71 11 25 52 433.2 12.46 322.57
 100.00 15 52 4 5388.29 29.50 246.72 22.90 95.05 17 21 52 4788.3 29.89 237.94
 110.00 11 33 16 955.93 4.69 321.03 13.81 123.90 11 49 12 355.9 9.11 314.73
 110.00 17 43 56 5038.29 34.18 220.37 23.13 89.70 19 7 54 4438.3 33.76 211.15

DIFFERENTIAL CORRECTIONS

TOE .9075 TRA-1.0080 TC3 .7555 BAU .1811
 RDE .0379 RRA -.1659 RC3 .4704 FAU .05442
 FDE-2.2782 FRA 1.5000 FC3-3.0961 BSP 7221
 BDE .9083 BRA 1.0216 BC3 .8900 FSP -1219

MID-COURSE EXECUTION ACCURACY

SGT 2190.0 SGR 458.4 SG3 413.9
 RRT .7274 RRF -.7864 RTF -.9398
 SGB 2237.4 R23 -.1293 R13 -.9429
 SGI 2215.7 SG2 311.0 TMA 8.83

ORBIT DETERMINATION ACCURACY

ST 1420.3 SR 98.7 SS 1758.9
 CRT .8133 CRS .7278 CST .9905
 LSA 2256.9 MSA 164.8 SSA 12.6
 EL1 1422.6 EL2 57.3 ALF 3.24

LAUNCH DATE MAY 18 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 334.319

RL 151.31 LAL -1.00 LOL 236.39 VL 26.606 GAL 3.42 AZL 94.62 MCA 140.86 SMA 126.84 ECC .20160 INC 4.6162 V1 29.446
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.417 GAP -8.16 AZP 86.42 TAL 166.21 TAP 307.07 RCA 101.27 APO 152.41 V2 34.926
 RC 55.163 GL -33.62 GP 12.18 ZAL 71.43 ZAP 25.29 ETS 332.30 ZAE 145.80 ETE 36.40 ZAC 87.44 ETC 13.48 CLP -22.33

PLANETOCENTRIC CONIC

C3 14.906 VML 3.861 OLA -26.36 RAL 155.77 RAD 6567.6 VEL 11.674 PTH 2.05 VMP 5.635 DPA 16.17 RAP 181.84 ECC 1.2453
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 30 58 1127.30 13.34 338.64 16.52 115.21 10 49 45 527.3 16.63 331.51
 90.00 13 35 35 5809.67 26.53 277.28 21.00 100.28 15 12 24 5209.7 27.68 268.80
 100.00 11 23 5 958.99 11.09 325.13 15.37 117.94 11 39 4 359.0 14.74 318.24
 100.00 15 26 9 5453.21 29.02 251.49 21.44 97.51 16 57 2 4853.2 29.75 242.76
 110.00 11 40 43 903.63 6.67 318.27 12.70 123.60 11 55 47 303.6 11.04 311.91
 110.00 17 25 0 5081.33 34.15 223.73 21.92 91.69 18 49 41 4481.3 34.00 214.49

DIFFERENTIAL CORRECTIONS

TOE .9330 TRA -.9834 TC3 .7992 BAU .1899
 RDE .0904 RRA -.1743 RC3 .5190 FAU .05911
 FDE-2.5590 FRA 1.5528 FC3-3.4330 BSP 7352
 BDE .9374 BRA .9791 BC3 .9529 FSP -1363

MID-COURSE EXECUTION ACCURACY

SGT 2200.9 SGR 511.8 SG3 457.7
 RRT .7933 RRF -.8536 RTF -.9433
 SGB 2259.7 R23 -.1485 R13 -.9474
 SGI 2238.8 SG2 306.3 TMA 10.65

ORBIT DETERMINATION ACCURACY

ST 1465.2 SR 160.1 SS 1887.1
 CRT .9694 CRS .9300 CST .9912
 LSA 2389.0 MSA 161.3 SSA 11.7
 EL1 1473.4 EL2 39.1 ALF 6.05

LAUNCH DATE MAY 18 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 340.953

RL 151.31 LAL -1.00 LOL 236.39 VL 26.673 GAL 3.26 AZL 94.79 MCA 144.05 SMA 127.28 ECC .19693 INC 4.7904 V1 29.446
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.476 GAP -7.56 AZP 86.12 TAL 166.47 TAP 310.52 RCA 102.21 APO 152.34 V2 34.938
 RC 56.885 GL -35.40 GP 13.86 ZAL 72.42 ZAP 28.32 ETS 332.18 ZAE 144.88 ETE 37.64 ZAC 86.49 ETC 13.23 CLP -24.95

PLANETOCENTRIC CONIC

C3 14.738 VML 3.839 OLA -27.70 RAL 154.29 RAD 6567.6 VEL 11.667 PTH 2.05 VMP 5.349 DPA 17.46 RAP 183.12 ECC 1.2425
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 5 28 990.85 17.13 330.42 16.38 112.90 11 21 59 390.8 20.09 322.99
 90.00 12 49 16 653.03 24.61 308.51 19.08 104.47 13 0 10 53.0 26.36 300.28
 100.00 11 42 49 870.11 13.87 319.99 14.81 116.75 11 57 19 270.1 17.35 312.93
 100.00 14 54 36 5537.05 28.12 257.56 19.95 100.58 16 26 53 4937.0 29.29 248.95
 110.00 11 49 53 847.93 8.75 315.31 11.81 123.18 12 4 1 247.9 13.06 308.86
 110.00 17 4 2 5131.99 33.97 227.68 20.83 94.02 18 29 34 4532.0 34.16 218.44

DIFFERENTIAL CORRECTIONS

TOE .9562 TRA -.9199 TC3 .8206 BAU .1974
 RDE .1540 RRA -.1862 RC3 .5745 FAU .06397
 FDE-2.8798 FRA 1.6066 FC3-3.7578 BSP 7393
 BDE .9685 BRA .9386 BC3 1.0017 FSP -1512

MID-COURSE EXECUTION ACCURACY

SGT 2199.6 SGR 588.2 SG3 504.8
 RRT .8446 RRF -.9053 RTF -.9456
 SGB 2276.9 R23 -.1695 R13 -.9513
 SGI 2256.1 SG2 307.0 TMA 12.97

ORBIT DETERMINATION ACCURACY

ST 1501.1 SR 248.8 SS 2021.9
 CRT .9965 CRS .9792 CST .9918
 LSA 2525.4 MSA 159.3 SSA 10.8
 EL1 1521.5 EL2 20.6 ALF 9.38

LAUNCH DATE MAY 18 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 347.572

RL 151.31 LAL -.00 LOL 236.39 VL 26.734 GAL 3.12 AZL 94.99 MCA 147.24 SMA 127.67 ECC .19272 INC 4.9936 V1 29.446
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.531 GAP -6.98 AZP 85.80 TAL 166.72 TAP 313.96 RCA 103.07 APO 152.28 V2 34.951
 RC 58.673 GL -37.26 GP 15.90 ZAL 73.40 ZAP 31.64 ETS 331.86 ZAE 143.95 ETE 39.52 ZAC 85.62 ETC 12.96 CLP -27.72

PLANETOCENTRIC CONIC

C3 14.727 VHL 3.838 OLA -29.11 RAL 152.76 RAD 6567.6 VEL 11.667 PTH 2.05 VHP 5.088 DPA 19.14 RAP 184.42 ECC 1.2424
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.93 10 52 47 1010.96 21.84 333.84 16.70 109.74 11 9 38 411.0 24.34 325.99
 97.07 12 49 48 632.59 21.86 306.09 16.71 109.73 13 0 20 32.6 24.35 298.24
 100.00 12 15 24 743.03 17.62 312.42 14.88 114.54 12 27 47 143.0 20.78 305.06
 100.00 14 9 51 6663.80 26.21 266.49 18.19 104.91 15 44 15 5063.8 28.00 258.15
 110.00 12 1 36 786.48 11.02 312.00 11.18 122.56 12 14 42 186.5 15.24 305.44
 110.00 16 40 9 5193.12 33.58 232.41 19.82 96.79 18 6 42 4593.1 34.16 223.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .9800 TRA -.8746 TC3 .8233 BAU .2051 SGT 2185.0 SGR 693.5 SG3 554.6 ST 1530.4 SR 364.1 SS 2164.7
 RDE .2336 RRA -.2020 RC3 .6384 FAU .06901 RRT .8816 RRF -.9419 RTF -.9474 CRT .9996 CRS .9931 CST .9923
 FDE -3.2483 FRA 1.6539 FC3 -4.0567 BSP 7444 SGB 2292.4 R23 -.1882 R13 -.9556 LSA 2671.3 MSA 157.6 SSA 9.8
 BDE 1.0074 BRA .8977 BC3 1.0419 FSP -1675 SG1 2270.6 SG2 314.9 THA 15.95 EL1 1573.0 EL2 10.4 ALF 13.38

LAUNCH DATE MAY 18 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 354.174

RL 151.31 LAL -.00 LOL 236.39 VL 26.788 GAL 2.99 AZL 95.24 MCA 150.43 SMA 128.03 ECC .18894 INC 5.2356 V1 29.446
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.581 GAP -6.41 AZP 85.44 TAL 166.96 TAP 317.39 RCA 103.84 APO 152.22 V2 34.964
 RC 60.521 GL -39.23 GP 18.39 ZAL 74.38 ZAP 35.31 ETS 331.38 ZAE 142.88 ETE 42.11 ZAC 84.83 ETC 12.67 CLP -30.68

PLANETOCENTRIC CONIC

C3 14.899 VHL 3.860 OLA -30.63 RAL 151.18 RAD 6567.6 VEL 11.674 PTH 2.05 VHP 4.857 DPA 21.29 RAP 185.78 ECC 1.2452
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.81 10 7 15 1138.87 22.87 343.75 15.73 110.95 10 26 14 538.9 25.51 335.89
 102.19 13 22 42 5797.89 22.88 275.29 15.74 110.94 14 59 20 5197.9 25.52 267.43
 77.81 10 7 15 1138.87 22.87 343.75 15.73 110.95 10 26 14 538.9 25.51 335.89
 102.19 13 22 42 5797.89 22.88 275.29 15.74 110.94 14 59 20 5197.9 25.52 267.43
 110.00 12 17 31 714.71 13.62 308.07 10.93 121.66 12 29 26 114.7 17.71 301.34
 110.00 16 11 37 5270.05 32.81 238.28 18.86 100.18 17 39 27 4670.1 33.87 229.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0044 TRA -.8266 TC3 .8076 BAU .2145 SGT 2155.1 SGR 834.9 SG3 605.7 ST 1551.2 SR 511.5 SS 2314.2
 RDE .3356 RRA -.2220 RC3 .7121 FAU .07409 RRT .9068 RRF -.9659 RTF -.9489 CRT .9984 CRS .9976 CST .9927
 FDE -3.6678 FRA 1.6860 FC3 -4.3052 BSP 7525 SGB 2311.2 R23 -.2003 R13 -.9606 LSA 2828.2 MSA 156.0 SSA 8.8
 BDE 1.0590 BRA .8559 BC3 1.0766 FSP -1847 SG1 2287.2 SG2 331.7 THA 19.79 EL1 1633.1 EL2 27.4 ALF 18.23

LAUNCH DATE MAY 18 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 360.758

RL 151.31 LAL -.00 LOL 236.39 VL 26.836 GAL 2.88 AZL 95.53 MCA 153.62 SMA 128.35 ECC .18558 INC 5.5305 V1 29.446
 RP 108.35 LAP -2.45 LOP 30.11 VP 37.627 GAP -5.85 AZP 85.04 TAL 167.19 TAP 320.81 RCA 104.53 APO 152.17 V2 34.977
 RC 62.420 GL -41.33 GP 21.46 ZAL 75.37 ZAP 39.38 ETS 330.74 ZAE 141.51 ETE 45.46 ZAC 84.09 ETC 12.35 CLP -33.84

PLANETOCENTRIC CONIC

C3 15.298 VHL 3.911 OLA -32.27 RAL 149.52 RAD 6567.6 VEL 11.691 PTH 2.06 VHP 4.663 DPA 24.03 RAP 187.28 ECC 1.2518
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.84 9 32 58 1231.75 23.88 351.21 14.99 112.38 9 53 30 631.8 26.70 343.35
 106.16 13 43 46 5716.86 23.89 269.61 14.99 112.36 15 19 3 5116.9 26.71 261.74
 73.84 9 32 58 1231.75 23.88 351.21 14.99 112.38 9 53 30 631.8 26.70 343.35
 106.16 13 43 46 5716.86 23.89 269.61 14.99 112.36 15 19 3 5116.9 26.71 261.74
 110.00 12 41 43 620.93 16.91 302.78 11.32 120.16 12 52 4 20.9 20.79 295.80
 110.00 15 34 12 5375.68 31.26 246.12 17.77 104.58 17 3 48 4775.7 32.95 237.31

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0268 TRA -.7795 TC3 .7610 BAU .2247 SGT 2107.2 SGR 1020.1 SG3 654.3 ST 1557.8 SR 699.7 SS 2463.3
 RDE .4693 RRA -.2472 RC3 .7927 FAU .07847 RRT .9219 RRF -.9806 RTF -.9491 CRT .9968 CRS .9992 CST .9930
 FDE -4.1298 FRA 1.7001 FC3 -4.4407 BSP 7597 SGB 2341.2 R23 -.2042 R13 -.9662 LSA 2993.4 MSA 155.5 SSA 7.8
 BDE 1.1290 BRA .8178 BC3 1.0989 FSP -2010 SG1 2313.3 SG2 360.1 THA 24.69 EL1 1707.0 EL2 50.9 ALF 24.14

LAUNCH DATE MAY 18 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 367.324

RL 151.31 LAL -.00 LOL 236.39 VL 26.879 GAL 2.78 AZL 95.90 MCA 156.81 SMA 128.64 ECC .18260 INC 5.9004 V1 29.446
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.670 GAP -5.31 AZP 84.57 TAL 167.40 TAP 324.21 RCA 105.15 APO 152.13 V2 34.990
 RC 64.367 GL -43.62 GP 25.28 ZAL 76.36 ZAP 43.93 ETS 329.99 ZAE 139.60 ETE 49.56 ZAC 83.39 ETC 11.99 CLP -37.21

PLANETOCENTRIC CONIC

C3 16.004 VHL 4.001 OLA -34.08 RAL 147.75 RAD 6567.6 VEL 11.721 PTH 2.07 VHP 4.517 DPA 27.50 RAP 189.04 ECC 1.2634
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.20 9 2 50 1313.14 24.86 357.95 14.51 114.10 9 24 43 713.1 27.90 350.10
 109.80 13 59 48 5655.87 24.87 265.36 14.52 114.08 15 34 4 5055.9 27.91 257.52
 70.20 9 2 50 1313.14 24.86 357.95 14.51 114.10 9 24 43 713.1 27.90 350.10
 109.80 13 59 48 5655.87 24.87 265.36 14.52 114.08 15 34 4 5055.9 27.91 257.52
 110.00 13 40 42 5714.14 23.16 269.04 13.64 115.87 15 15 56 5114.1 26.45 261.42
 110.00 14 21 7 5590.91 26.59 261.11 15.34 112.31 15 54 18 4990.9 29.38 253.03

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0513 TRA -.7297 TC3 .6935 BAU .2394 SGT 2041.4 SGR 1260.6 SG3 695.4 ST 1552.7 SR 941.8 SS 2608.0
 RDE .6498 RRA -.2769 RC3 .8783 FAU .08173 RRT .9308 RRF -.9892 RTF -.9489 CRT .9956 CRS .9997 CST .9933
 FDE -4.6255 FRA 1.6739 FC3 -4.4212 BSP 7775 SGB 2399.2 R23 -.1938 R13 -.9731 LSA 3174.2 MSA 154.9 SSA 6.7
 BDE 1.2359 BRA .7805 BC3 1.1191 FSP -2156 SG1 2366.1 SG2 397.6 THA 30.86 EL1 1814.4 EL2 75.5 ALF 31.19

LAUNCH DATE MAY 18 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 373.871

RL 151.31 LAL -1.00 LOL 236.39 VL 26.917 GAL 2.69 AZL 96.38 HCA 160.01 SMA 128.89 ECC .17999 INC 6.3815 V1 29.446
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.709 GAP -4.79 AZP 84.00 TAL 167.58 TAP 327.59 RCA 105.69 APO 152.09 V2 35.003
 RC 66.356 GL -46.17 GP 30.08 ZAL 77.38 ZAP 49.06 ETS 329.18 ZAE 136.83 ETE 54.30 ZAC 82.68 FTC 11.58 CLP -40.77

PLANETOCENTRIC CONIC

C3 17.163 VHL 4.143 CLA -36.12 RAL 145.81 RAD 6567.7 VEL 11.771 PTH 2.08 VMP 4.441 DPA 31.90 RAP 191.29 ECC 1.2825
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.58 8 34 23 1391.54 25.77 4.62 14.37 116.23 8 57 35 791.5 29.07 356.82
 113.42 14 12 46 5609.51 25.78 262.17 14.38 116.22 15 46 15 5009.5 29.08 254.38
 66.58 8 34 23 1391.54 25.77 4.62 14.37 116.23 8 57 35 791.5 29.07 356.82
 113.42 14 12 46 5609.51 25.78 262.17 14.38 116.22 15 46 15 5009.5 29.08 254.38
 66.58 8 34 23 1391.54 25.77 4.62 14.37 116.23 8 57 35 791.5 29.07 356.82
 113.42 14 12 46 5609.51 25.78 262.17 14.38 116.22 15 46 15 5009.5 29.08 254.38

DIFFERENTIAL CORRECTIONS

TDE 1.0795 TRA -1.6794 TC3 .6009 BAU .2597
 RDE .8994 RRA -.3097 RC3 .9591 FAU .08261
 FDE -5.1190 FRA 1.5879 FC3 -4.1670 BSP 8125
 BDE 1.4051 BRA .7466 BC3 1.1318 FSP -2255

MID-COURSE EXECUTION ACCURACY

SGT 1956.9 SGR 1568.4 SG3 719.9
 RRT .9349 RRF -.9941 RTF -.9475
 SGB 2507.9 R23 -.1696 R13 -.9808
 SGI 2468.7 SG2 441.3 TMA 38.29

ORBIT DETERMINATION ACCURACY

ST 1533.2 SR 1254.3 SS 2734.8
 CRT .9947 CRS .9999 CST .9934
 LSA 3373.3 MSA 154.7 SSA 5.8
 EL1 1978.4 EL2 99.8 ALF 39.26

LAUNCH DATE MAY 18 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 380.398

RL 151.31 LAL -1.00 LOL 236.39 VL 26.950 GAL 2.62 AZL 97.04 HCA 163.20 SMA 129.11 ECC .17772 INC 7.0375 V1 29.446
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.745 GAP -4.27 AZP 83.26 TAL 167.72 TAP 330.93 RCA 106.17 APO 152.06 V2 35.016
 RC 68.382 GL -49.06 GP 36.14 ZAL 78.47 ZAP 54.84 ETS 328.37 ZAE 132.75 ETE 59.40 ZAC 81.86 ETC 11.04 CLP -44.51

PLANETOCENTRIC CONIC

C3 19.065 VHL 4.366 CLA -38.45 RAL 143.60 RAD 6567.8 VEL 11.851 PTH 2.10 VMP 4.473 DPA 37.39 RAP 194.45 ECC 1.3138
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.82 8 6 7 1473.01 26.50 11.67 14.68 118.94 8 30 40 873.0 30.14 3.99
 117.18 14 23 21 5577.09 26.51 259.96 14.69 118.93 15 56 18 4977.1 30.15 252.28
 62.82 8 6 7 1473.01 26.50 11.67 14.68 118.94 8 30 40 873.0 30.14 3.99
 117.18 14 23 21 5577.09 26.51 259.96 14.69 118.93 15 56 18 4977.1 30.15 252.28
 62.82 8 6 7 1473.01 26.50 11.67 14.68 118.94 8 30 40 873.0 30.14 3.99
 117.18 14 23 21 5577.09 26.51 259.96 14.69 118.93 15 56 18 4977.1 30.15 252.28

DIFFERENTIAL CORRECTIONS

TDE 1.1151 TRA -.6321 TC3 .4797 BAU .2851
 RDE 1.2529 RRA -.3426 RC3 1.0105 FAU .07898
 FDE -5.9290 FRA 1.4225 FC3 -3.5864 BSP 8657
 BDE 1.6773 BRA .7189 BC3 1.1186 FSP -2243

MID-COURSE EXECUTION ACCURACY

SGT 1854.3 SGR 1952.2 SG3 713.2
 RRT .9347 RRF -.9967 RTF -.9443
 SGB 2692.5 R23 -.1352 R13 -.9881
 SGI 2648.3 SG2 486.0 TMA 46.58

ORBIT DETERMINATION ACCURACY

ST 1497.5 SR 1653.3 SS 2817.6
 CRT .9940 CRS 1.0000 CST .9933
 LSA 3590.3 MSA 155.4 SSA 4.9
 EL1 2227.3 EL2 121.7 ALF 47.85

LAUNCH DATE MAY 18 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 386.901

RL 151.31 LAL -1.00 LOL 236.39 VL 26.978 GAL 2.56 AZL 97.99 HCA 166.40 SMA 129.31 ECC .17578 INC 7.9920 V1 29.446
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.778 GAP -3.77 AZP 82.23 TAL 167.84 TAP 334.24 RCA 106.58 APO 152.04 V2 35.029
 RC 70.443 GL -52.44 GP 43.82 ZAL 79.68 ZAP 61.34 ETS 327.66 ZAE 126.88 ETE 64.39 ZAC 80.82 ETC 10.24 CLP -48.34

PLANETOCENTRIC CONIC

C3 22.343 VHL 4.727 CLA -41.17 RAL 140.93 RAD 6567.9 VEL 11.988 PTH 2.14 VMP 4.688 DPA 44.13 RAP 199.35 ECC 1.3677
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.76 7 36 42 1564.09 26.82 19.57 15.59 122.49 8 2 46 964.1 30.90 12.13
 121.24 14 31 29 5561.95 26.84 258.90 15.60 122.48 16 4 11 4961.9 30.92 251.45
 58.76 7 36 42 1564.09 26.82 19.57 15.59 122.49 8 2 46 964.1 30.90 12.13
 121.24 14 31 29 5561.95 26.84 258.90 15.60 122.48 16 4 11 4961.9 30.92 251.45
 58.76 7 36 42 1564.09 26.82 19.57 15.59 122.49 8 2 46 964.1 30.90 12.13
 121.24 14 31 29 5561.95 26.84 258.90 15.60 122.48 16 4 11 4961.9 30.92 251.45

DIFFERENTIAL CORRECTIONS

TDE 1.1983 TRA -.5720 TC3 .3783 BAU .3255
 RDE 1.7832 RRA -.3503 RC3 1.0219 FAU .07112
 FDE -5.7731 FRA 1.1041 FC3 -2.7557 BSP 10059
 BDE 2.1484 BRA .6708 BC3 1.0897 FSP -2168

MID-COURSE EXECUTION ACCURACY

SGT 1756.7 SGR 2433.9 SG3 663.2
 RRT .9366 RRF -.9981 RTF -.9443
 SGB 3001.6 R23 -.0928 R13 -.9941
 SGI 2958.6 SG2 506.3 TMA 54.75

ORBIT DETERMINATION ACCURACY

ST 1478.5 SR 2168.3 SS 2843.1
 CRT .9939 CRS 1.0000 CST .9937
 LSA 3866.3 MSA 151.9 SSA 4.0
 EL1 2621.0 EL2 134.3 ALF 55.77

LAUNCH DATE MAY 18 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 393.387

RL 151.31 LAL -1.00 LOL 236.39 VL 27.002 GAL 2.52 AZL 99.52 HCA 169.59 SMA 129.47 ECC .17417 INC 9.5198 V1 29.446
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.807 GAP -3.29 AZP 80.63 TAL 167.90 TAP 337.49 RCA 106.92 APO 152.02 V2 35.042
 RC 72.534 GL -56.46 GP 53.49 ZAL 81.10 ZAP 68.48 ETS 326.97 ZAE 118.69 ETE 68.52 ZAC 79.35 ETC 8.73 CLP -51.93

PLANETOCENTRIC CONIC

C3 28.651 VHL 5.353 CLA -44.36 RAL 137.53 RAD 6568.2 VEL 12.248 PTH 2.20 VMP 5.263 DPA 51.97 RAP 207.86 ECC 1.4715
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.30 7 4 49 1674.96 26.17 28.87 17.36 127.20 7 32 44 1075.0 30.81 21.87
 125.70 14 36 15 5573.67 26.18 259.43 17.37 127.19 16 9 9 4973.7 30.82 252.43
 54.30 7 4 49 1674.96 26.17 28.87 17.36 127.20 7 32 44 1075.0 30.81 21.87
 125.70 14 36 15 5573.67 26.18 259.43 17.37 127.19 16 9 9 4973.7 30.82 252.43
 54.30 7 4 49 1674.96 26.17 28.87 17.36 127.20 7 32 44 1075.0 30.81 21.87
 125.70 14 36 15 5573.67 26.18 259.43 17.37 127.19 16 9 9 4973.7 30.82 252.43

DIFFERENTIAL CORRECTIONS

TDE 1.3056 TRA -.5780 TC3 .1843 BAU .3277
 RDE 2.5436 RRA -.3685 RC3 .8355 FAU .04933
 FDE -5.4882 FRA .8128 FC3 -1.4905 BSP 10134
 BDE 2.8591 BRA .6855 BC3 .8555 FSP -1611

MID-COURSE EXECUTION ACCURACY

SGT 1655.6 SGR 2918.5 SG3 536.4
 RRT .9229 RRF -.9987 RTF -.9319
 SGB 3355.3 R23 -.0654 R13 -.9969
 SGI 3307.8 SG2 562.6 TMA 61.47

ORBIT DETERMINATION ACCURACY

ST 1421.4 SR 2727.8 SS 2676.8
 CRT .9924 CRS 1.0000 CST .9926
 LSA 4074.4 MSA 162.8 SSA 3.2
 EL1 3072.1 EL2 155.0 ALF 62.58

LAUNCH DATE MAY 18 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 399.831

RL 151.31 LAL -.00 LOL 236.39 VL 27.023 GAL 2.49 AZL 102.38 MCA 172.77 SMA 129.61 ECC .17285 INC12.3780 V1 29.446
 RP 108.10 LAP -1.55 LOP 49.32 VP 37.834 GAP -2.81 AZP 77.72 TAL 167.92 TAP 340.69 RCA 107.21 APO 152.01 V2 35.056
 RC 74.652 GL -61.21 GP 65.54 ZAL 82.89 ZAP 75.95 ETS 325.19 ZAE 107.68 ETE 69.97 ZAC 77.17 ETC 4.75 CLP -54.11

PLANETOCENTRIC CONIC

C3 43.607 VHL 6.604 OLA -47.94 RAL 132.92 RAD 6568.7 VEL 12.844 PTH 2.34 VHP 6.681 DPA 59.84 RAP 224.31 ECC 1.7177
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.54 6 29 5 1825.05 23.10 40.12 20.27 133.26 6 59 30 1225.0 28.44 33.92
 130.46 14 35 11 5635.28 23.11 262.35 20.29 133.25 16 9 7 5035.3 28.45 256.15
 49.54 6 29 5 1825.05 23.10 40.12 20.27 133.26 6 59 30 1225.0 28.44 33.92
 130.46 14 35 11 5635.28 23.11 262.35 20.29 133.25 16 9 7 5035.3 28.45 256.15
 49.54 6 29 5 1825.05 23.10 40.12 20.27 133.26 6 59 30 1225.0 28.44 33.92
 130.46 14 35 11 5635.28 23.11 262.35 20.29 133.25 16 9 7 5035.3 28.45 256.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.8092 TRA -.5708 TC3 .0966 BAU .3184 SGT 1739.8 SGR 3410.8 SG3 363.1 ST 1585.3 SR 3323.5 SS 2378.7
 RDE 3.8289 RRA -.2352 RC3 .5376 FAU .02649 RRT .9320 RRF -.9988 RTF -.9436 CRT .9936 CRS 1.0000 CST .9944
 FDE -4.7469 FRA .3610 FC3 -.5259 BSP 11895 SGB 3828.9 R23 -.0383 R13 -.9987 LSA 4380.6 MSA 163.9 SSA 2.2
 BDE 4.2348 BRA .6173 BC3 .5462 FSP -1108 SG1 3786.5 SG2 568.0 TMA 63.94 EL1 3678.7 EL2 161.4 ALF 64.59

LAUNCH DATE MAY 18 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 406.206

RL 151.31 LAL -.00 LOL 236.39 VL 27.039 GAL 2.49 AZL 109.64 MCA 175.91 SMA 129.72 ECC .17185 INC19.6373 V1 29.446
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.858 GAP -2.36 AZP 70.41 TAL 167.85 TAP 343.76 RCA 107.43 APO 152.02 V2 35.069
 RC 76.795 GL -65.78 GP 80.53 ZAL 85.30 ZAP 82.99 ETS 300.34 ZAE 92.79 ETE 46.41 ZAC 73.53 ETC 335.38 CLP -42.16

PLANETOCENTRIC CONIC

C3 99.089 VHL 9.954 OLA -50.84 RAL 127.00 RAD 6569.9 VEL 14.847 PTH 2.68 VHP 10.883 DPA 63.42 RAP 256.44 ECC 2.6308
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 45.84 5 53 19 2049.06 14.34 52.84 24.97 139.32 6 27 28 1449.1 20.34 47.71
 134.16 14 23 46 5800.92 14.36 269.22 24.99 139.32 16 0 27 5200.9 20.35 264.09
 45.84 5 53 19 2049.06 14.34 52.84 24.97 139.32 6 27 28 1449.1 20.34 47.71
 134.16 14 23 46 5800.92 14.36 269.22 24.99 139.32 16 0 27 5200.9 20.35 264.09
 45.84 5 53 19 2049.06 14.34 52.84 24.97 139.32 6 27 28 1449.1 20.34 47.71
 134.16 14 23 46 5800.92 14.36 269.22 24.99 139.32 16 0 27 5200.9 20.35 264.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 5.4610 TRA -.5414 TC3 .0216 BAU .0969 SGT 3182.0 SGR 2812.3 SG3 178.5 ST 3146.7 SR 2789.2 SS 1942.4
 RDE 4.8425 RRA .3813 RC3 .0699 FAU .00162 RRT .9605 RRF -.9896 RTF -.9903 CRT .9964 CRS .9991 CST .9991
 FDE -3.5888 FRA .0365 FC3 -.0141 BSP 13385 SGB 4246.7 R23 -.0153 R13 -.9997 LSA 4628.5 MSA 176.5 SSA 1.1
 BDE 7.2987 BRA .6622 BC3 .0731 FSP -546 SG1 4205.2 SG2 592.0 TMA 41.33 EL1 4201.3 EL2 176.2 ALF 41.54

LAUNCH DATE MAY 18 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 412.093

RL 151.31 LAL -.00 LOL 236.39 VL 27.052 GAL 2.58 AZL 151.73 MCA 178.64 SMA 129.81 ECC .17149 INC61.7313 V1 29.446
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.879 GAP -2.04 AZP 28.27 TAL 167.34 TAP 345.98 RCA 107.55 APO 152.07 V2 35.082
 RC 78.958 GL -55.00 GP 64.55 ZAL 88.30 ZAP 88.21 ETS 180.79 ZAE 61.05 ETE 288.58 ZAC 63.00 ETC 202.41 CLP 85.83

PLANETOCENTRIC CONIC

C3 844.309 VHL 29.057 OLA -39.43 RAL 129.71 RAD 6572.8 VEL 31.074 PTH 3.47 VHP 35.765 DPA 43.99 RAP 302.61 ECC14.8952
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 61.32 7 3 33 2165.10 .09 49.37 39.59 129.43 7 39 38 1565.1 5.16 43.59
 118.68 13 35 7 940.08 .10 316.34 39.60 129.43 13 50 47 340.1 5.17 310.56
 61.32 7 3 33 2165.10 .09 49.37 39.59 129.43 7 39 38 1565.1 5.16 43.59
 118.68 13 35 7 940.08 .10 316.34 39.60 129.43 13 50 47 340.1 5.17 310.56
 61.32 7 3 33 2165.10 .09 49.37 39.59 129.43 7 39 38 1565.1 5.16 43.59
 118.68 13 35 7 940.08 .10 316.34 39.60 129.43 13 50 47 340.1 5.17 310.56

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 7.2175 TRA 1.9130 TC3 -.1116 BAU 3.3230 SGT 1638.4 SGR 3695.8 SG3 71.6 ST 1430.8 SR 3321.4 SS 2327.0
 RDE -16.8333 RRA 1.4400 RC3 .2724 FAU -.05706 RRT -.9200 RRF .9997 RTF -.9248 CRT -.9908 CRS -1.0000 CST .9914
 FDE -3.8172 FRA .2840 FC3 .0585 BSP 11784 SGB 4042.7 R23 -.0491 R13 .9986 LSA 4296.7 MSA 181.1 SSA 1.5
 BDE18.3154 BRA 2.3944 BC3 .2944 FSP -210 SG1 3998.9 SG2 593.4 TMA 112.72 EL1 3612.1 EL2 178.1 ALF 113.17

LAUNCH DATE MAY 18 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 419.557

RL 151.31 LAL -.00 LOL 236.39 VL 27.062 GAL 2.40 AZL 68.37 MCA 182.76 SMA 129.88 ECC .17012 INC21.6319 V1 29.446
 RP 107.98 LAP -1.02 LOP 58.96 VP 37.898 GAP -1.32 AZP 111.61 TAL 168.13 TAP 350.90 RCA 107.78 APO 151.98 V2 35.094
 RC 81.139 GL 66.28 GP -86.54 ZAL 85.91 ZAP 87.68 ETS 78.60 ZAE 92.76 ETE 335.71 ZAC 101.00 ETC 51.80 CLP 47.80

PLANETOCENTRIC CONIC

C3 118.528 VHL 10.887 OLA -64.62 RAL 210.53 RAD 6570.2 VEL 15.488 PTH 2.76 VHP 15.950 DPA -68.95 RAP 96.42 ECC 2.9507
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 29.13 22 39 52 4818.93 -14.52 237.46 113.48 26.28 24 0 11 4218.9 -21.66 234.07
 150.87 8 43 36 3105.40 -14.52 94.24 113.47 26.27 9 35 22 2505.4 -21.65 90.85
 29.13 22 39 52 4818.93 -14.52 237.46 113.48 26.28 24 0 11 4218.9 -21.66 234.07
 150.87 8 43 36 3105.40 -14.52 94.24 113.47 26.27 9 35 22 2505.4 -21.65 90.85
 29.13 22 39 52 4818.93 -14.52 237.46 113.48 26.28 24 0 11 4218.9 -21.66 234.07
 150.87 8 43 36 3105.40 -14.52 94.24 113.47 26.27 9 35 22 2505.4 -21.65 90.85

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7484 TRA -3.2669 TC3 -.0234 BAU .0424 SGT 4031.5 SGR 2180.8 SG3 113.4 ST 1266.4 SR 795.2 SS 552.5
 RDE .9005 RRA 1.7332 RC3 -.0130 FAU .00018 RRT -.9499 RRF .9610 RTF -.9992 CRT -.5778 CRS -.6679 CST .9934
 FDE -1.1520 FRA 1.0664 FC3 -.0013 BSP 13822 SGB 4583.5 R23 .0320 R13 .9994 LSA 1476.2 MSA 601.7 SSA .6
 BDE 1.1709 BRA 3.6982 BC3 .0268 FSP -354 SG1 4543.4 SG2 605.0 TMA 152.27 EL1 1369.6 EL2 600.1 ALF 154.93

LAUNCH DATE MAY 18 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 425.801

RL 151.31 LAL -.00 LOL 236.39 VL 27.069 GAL 2.45 AZL 81.77 HCA 185.84 SMA 129.93 ECC .16992 INC 8.2278 V1 29.446
 RP 107.94 LAP -.83 LOP 62.17 VP 37.914 GAP -.91 A7P 98.19 TAL 167.86 TAP 353.71 RCA 107.85 APO 152.00 V2 35.107
 RC 83.336 GL 54.17 GP -74.58 ZAL 80.35 ZAP 87.20 ETS 10.88 ZAE 109.89 ETE 269.76 ZAC 107.06 ETC 352.28 CLP -79.41

PLANETOCENTRIC CONIC

C3 22.790 VHL 4.774 CLA 54.27 RAL 196.49 RAD 6567.9 VEL 12.007 PTH 2.14 VMP 7.824 DPA -56.28 RAP 123.82 ECC 1.3751
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 41.55 22 15 46 4364.51 -33.59 209.88 77.96 44.51 23 28 31 3764.5 -39.09 203.07
 138.45 7 15 41 2771.16 -33.58 82.16 77.95 44.50 8 1 52 2171.2 -39.08 75.36
 41.55 22 15 46 4364.51 -33.59 209.88 77.96 44.51 23 28 31 3764.5 -39.09 203.07
 138.45 7 15 41 2771.16 -33.58 82.16 77.95 44.50 8 1 52 2171.2 -39.08 75.36
 41.55 22 15 46 4364.51 -33.59 209.88 77.96 44.51 23 28 31 3764.5 -39.09 203.07
 138.45 7 15 41 2771.16 -33.58 82.16 77.95 44.50 8 1 52 2171.2 -39.08 75.36

DIFFERENTIAL CORRECTIONS

TDE .4889 TRA .2108 TC3 -.3077 BAU .4710
 RDE .3440 RRA 2.0357 RC3-1.5149 FAU .03075
 FDE .1994 FRA 1.4806 FC3-1.1681 BSP 14032
 BDE .5979 BRA 2.0466 BC3 1.5458 FSP -901

MID-COURSE EXECUTION ACCURACY

SGT 786.3 SGR 4446.2 SG3 280.8
 RRT .7092 RRF .9996 RTF .6990
 SGB 4515.2 R23 .0298 R13 .9993
 SG1 4481.6 SG2 550.0 THA 82.74

ORBIT DETERMINATION ACCURACY

ST 601.1 SR 1322.1 SS 638.4
 CRT .5106 CRS -.9981 CST -.4569
 LSA 1502.4 MSA 509.6 SSA 1.5
 EL1 1363.1 EL2 501.3 ALF 74.83

LAUNCH DATE MAY 18 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 432.138

RL 151.31 LAL -.00 LOL 236.39 VL 27.073 GAL 2.50 AZL 85.86 HCA 189.02 SMA 129.95 ECC .16987 INC 4.1391 V1 29.446
 RP 107.91 LAP -.65 LOP 65.39 VP 37.929 GAP -.48 A7P 94.09 TAL 167.64 TAP 356.66 RCA 107.88 APO 152.03 V2 35.119
 RC 85.546 GL 36.91 GP -63.02 ZAL 75.38 ZAP 88.92 ETS 3.14 ZAE 120.93 ETE 262.25 ZAC 110.63 ETC 351.77 CLP -87.61

PLANETOCENTRIC CONIC

C3 10.570 VHL 3.251 CLA 39.38 RAL 183.44 RAD 6567.4 VEL 11.487 PTH 2.00 VMP 5.496 DPA -45.94 RAP 132.57 ECC 1.1740
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 61.41 22 36 27 4006.15 -31.19 174.15 45.92 64.64 23 43 14 3406.1 -34.32 165.80
 118.59 5 10 54 2784.18 -31.18 81.35 45.92 64.63 5 57 18 2184.2 -34.31 73.01
 61.41 22 36 27 4006.15 -31.19 174.15 45.92 64.64 23 43 14 3406.1 -34.32 165.80
 118.59 5 10 54 2784.18 -31.18 81.35 45.92 64.63 5 57 18 2184.2 -34.31 73.01
 61.41 22 36 27 4006.15 -31.19 174.15 45.92 64.64 23 43 14 3406.1 -34.32 165.80
 118.59 5 10 54 2784.18 -31.18 81.35 45.92 64.63 5 57 18 2184.2 -34.31 73.01

DIFFERENTIAL CORRECTIONS

TDE .3045 TRA .3114 TC3-1.2225 BAU .5101
 RDE .2201 RRA 1.5199 RC3-3.3967 FAU .06122
 FDE .2430 FRA 2.1436 FC3-5.0143 BSP 13304
 BDE .3757 BRA 1.5515 BC3 3.6100 FSP -1626

MID-COURSE EXECUTION ACCURACY

SGT 1193.2 SGR 4127.4 SG3 508.9
 RRT .8982 RRF .9996 RTF .8950
 SGB 4296.5 R23 .0376 R13 .9989
 SG1 4266.4 SG2 507.4 THA 75.23

ORBIT DETERMINATION ACCURACY

ST 577.8 SR 1111.5 SS 726.8
 CRT .6712 CRS -.9973 CST -.6156
 LSA 1385.9 MSA 420.5 SSA 2.7
 EL1 1186.8 EL2 401.2 ALF 68.14

LAUNCH DATE MAY 18 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 438.481

RL 151.31 LAL -.00 LOL 236.39 VL 27.074 GAL 2.55 AZL 87.83 HCA 192.22 SMA 129.96 ECC .17001 INC 2.1740 V1 29.446
 RP 107.87 LAP -.46 LOP 68.60 VP 37.941 GAP -.06 A7P 92.12 TAL 167.39 TAP 359.62 RCA 107.87 APO 152.06 V2 35.131
 RC 87.767 GL 21.85 GP -53.94 ZAL 72.15 ZAP 92.22 ETS 358.02 ZAE 129.03 ETE 255.31 ZAC 113.53 ETC 352.86 CLP -93.78

PLANETOCENTRIC CONIC

C3 7.601 VHL 2.757 CLA 25.65 RAL 176.01 RAD 6567.2 VEL 11.357 PTH 1.96 VMP 4.488 DPA -37.23 RAP 136.56 ECC 1.1251
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 13 37 2977.15 -28.10 94.77 30.74 86.33 4 3 15 2377.2 -28.31 86.11
 90.00 23 34 25 3686.41 -15.74 142.52 27.49 66.15 24 33 52 3086.4 -18.83 135.20
 100.00 5 0 23 2632.98 -29.88 69.52 30.82 89.27 5 44 16 2033.0 -29.67 60.73
 100.00 0 34 17 3505.81 -14.12 128.46 26.70 63.38 1 32 43 2905.8 -17.58 121.38
 110.00 6 55 7 2273.98 -33.74 42.06 30.62 95.82 7 33 1 1674.0 -32.57 33.02
 110.00 0 56 2 3437.57 -10.77 121.34 24.74 57.36 1 53 20 2837.6 -14.99 114.79

DIFFERENTIAL CORRECTIONS

TDE .1469 TRA .3880 TC3-2.3197 BAU .5049
 RDE -.0230 RRA 1.2323 RC3-4.3947 FAU .08966
 FDE -.1715 FRA 2.7524 FC-10.2121 BSP 12617
 BDE .1487 BRA 1.2919 BC3 4.9693 FSP -2362

MID-COURSE EXECUTION ACCURACY

SGT 1590.4 SGR 3734.3 SG3 733.6
 RRT .9473 RRF .9994 RTF .9456
 SGB 4058.8 R23 .0514 R13 .9981
 SG1 4031.3 SG2 471.9 THA 67.71

ORBIT DETERMINATION ACCURACY

ST 408.2 SR 856.7 SS 753.9
 CRT .6202 CRS -.9918 CST -.5148
 LSA 1165.0 MSA 334.3 SSA 5.1
 EL1 898.6 EL2 305.3 ALF 71.30

LAUNCH DATE MAY 18 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 444.815

RL 151.31 LAL -.00 LOL 236.39 VL 27.073 GAL 2.61 AZL 88.98 HCA 195.44 SMA 129.96 ECC .17036 INC 1.0158 V1 29.446
 RP 107.83 LAP -.27 LOP 71.82 VP 37.951 GAP .37 A7P 90.98 TAL 167.11 TAP 359.62 RCA 107.82 APO 152.10 V2 35.143
 RC 89.996 GL 10.62 GP -46.55 ZAL 70.36 ZAP 96.49 ETS 354.23 ZAE 134.85 ETE 247.64 ZAC 116.06 ETC 354.32 CLP -99.46

PLANETOCENTRIC CONIC

C3 6.767 VHL 2.601 CLA 15.14 RAL 171.73 RAD 6567.2 VEL 11.321 PTH 1.95 VMP 3.977 DPA -29.85 RAP 138.53 ECC 1.1114
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 7 44 2479.72 -24.99 59.00 21.50 103.76 5 49 3 1879.7 -22.86 50.98
 90.00 21 6 10 4142.55 -1.82 168.78 18.49 61.74 22 15 12 3542.6 -5.58 162.12
 100.00 6 37 18 2190.85 -25.89 37.50 21.24 105.50 7 13 49 1590.9 -23.51 29.50
 100.00 22 19 17 3906.65 -1.01 150.99 18.04 60.12 23 24 23 3306.6 -4.98 144.45
 110.00 8 3 53 1919.91 -28.20 16.08 20.40 110.17 8 35 53 1319.9 -25.20 8.20
 110.00 23 9 10 3750.35 1.05 137.84 16.75 55.83 24 11 41 3150.4 -3.44 131.63

DIFFERENTIAL CORRECTIONS

TDE -.0077 TRA .4718 TC3-3.2440 BAU .4949
 RDE -.1866 RRA 1.0381 RC3-4.4048 FAU .11154
 FDE -.7815 FRA 3.2413 FC-14.2701 BSP 11945
 BDE .1868 BRA 1.1403 BC3 5.4704 FSP -2948

MID-COURSE EXECUTION ACCURACY

SGT 2001.9 SGR 3321.2 SG3 917.5
 RRT .9663 RRF .9991 RTF .9652
 SGB 3877.9 R23 .0687 R13 .9967
 SG1 3852.4 SG2 444.6 THA 59.33

ORBIT DETERMINATION ACCURACY

ST 327.3 SR 823.8 SS 967.9
 CRT .8897 CRS -.9909 CST -.8208
 LSA 1299.0 MSA 187.4 SSA 9.9
 EL1 875.2 EL2 140.7 ALF 69.99

LAUNCH DATE MAY 18 1967

FLIGHT TIME 166.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 451.134

RL 151.31 LAL -.00 LOL 236.39 VL 27.070 GAL 2.69 AZL 89.75 MCA 198.66 SMA 129.93 ECC .17090 INC .2484 V1 29.446
 RP 107.80 LAP -.08 LOP 75.05 VP 37.959 GAP .79 AZP 90.24 TAL 166.78 TAP 5.43 RCA 107.73 APO 152.14 V2 35.154
 RC 92.232 GL 2.61 GP -40.43 ZAL 69.29 ZAP 101.24 ETS 351.44 ZAE 138.70 ETE 239.32 ZAC 118.26 ETC 355.94 CLP-104.84

PLANETOCENTRIC CONIC

C3 6.619 VHL 2.573 OLA 7.49 RAL 169.18 RAD 6567.2 VEL 11.314 PTH 1.95 VHP 3.704 DPA -23.60 RAP 139.48 ECC 1.1089
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 1 23 2219.73 -19.69 41.81 16.67 110.77 6 38 23 1619.7 -16.69 34.42
 90.00 19 52 10 4394.86 6.29 182.89 15.11 62.33 21 5 25 3794.9 2.53 176.22
 100.00 7 26 20 1945.77 -20.44 21.35 16.36 112.30 7 58 46 1345.8 -17.24 14.02
 100.00 21 9 55 4144.06 6.99 164.07 14.73 60.86 22 18 59 3544.1 3.05 157.49
 110.00 8 42 48 1706.47 -22.41 2.22 15.40 116.51 9 11 14 1106.5 -18.67 355.08
 110.00 22 9 56 3956.12 8.85 148.67 13.59 56.85 23 15 53 3356.1 4.42 142.38

DIFFERENTIAL CORRECTIONS

TDE -.1631 TRA .5600 TC3-3.9345 BAU .4948
 RDE -.2791 RRA .8876 RC3-3.9739 FAU .12678
 FDE -1.4250 FRA 3.5724 FC-16.5825 BSP 11627
 BDE .3232 BRA 1.0495 BC3 5.5922 FSP -3384

MID-COURSE EXECUTION ACCURACY

SGT 2410.9 SGR 2922.8 SG3 1048.5
 RRT .9754 RRF .9986 RTF .9748
 SGB 3788.8 R23 .0859 R13 .9949
 SG1 3766.3 SG2 412.5 TMA 50.62

ORBIT DETERMINATION ACCURACY

ST 527.2 SR 864.8 SS 1277.5
 CRT .9983 CRS -.9931 CST -.9867
 LSA 1626.9 MSA 104.0 SSA 17.1
 EL1 1012.5 EL2 26.4 ALF 58.65

LAUNCH DATE MAY 18 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 457.436

RL 151.31 LAL -.00 LOL 236.39 VL 27.064 GAL 2.77 AZL 90.30 MCA 201.88 SMA 129.90 ECC .17164 INC .2993 V1 29.446
 RP 107.77 LAP .11 LOP 78.27 VP 37.965 GAP 1.21 AZP 89.72 TAL 166.40 TAP 8.28 RCA 107.60 APO 152.19 V2 35.165
 RC 94.474 GL -3.12 GP -35.33 ZAL 68.50 ZAP 106.14 ETS 349.40 ZAE 140.90 ETE 230.87 ZAC 120.11 ETC 357.64 CLP-109.92

PLANETOCENTRIC CONIC

C3 6.738 VHL 2.596 OLA 1.90 RAL 167.67 RAD 6567.2 VEL 11.319 PTH 1.95 VHP 3.567 DPA -18.30 RAP 139.92 ECC 1.1109
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 37 38 2047.37 -15.19 31.16 14.39 114.19 7 11 45 1447.4 -11.80 24.13
 90.00 19 3 53 4573.42 11.78 193.13 13.99 64.07 20 20 6 3973.4 8.20 186.28
 100.00 7 59 52 1782.14 -15.90 11.32 14.05 115.65 8 29 34 1182.1 -12.32 4.36
 100.00 20 24 20 4313.89 12.48 173.69 13.63 62.62 21 36 14 3713.9 8.71 166.92
 110.00 9 10 8 1562.17 -17.77 353.59 13.03 119.69 9 36 10 962.2 -13.69 346.86
 110.00 21 30 33 4106.62 14.33 156.89 12.56 58.63 22 39 0 3506.6 10.07 150.37

DIFFERENTIAL CORRECTIONS

TDE -.3188 TRA .6511 TC3-4.4392 BAU .5047
 RDE -.3190 RRA .7688 RC3-3.4178 FAU .13533
 FDE -1.9927 FRA 3.7712 FC-17.3880 BSP 11616
 BDE .4510 BRA 1.0075 BC3 5.6025 FSP -3655

MID-COURSE EXECUTION ACCURACY

SGT 2806.1 SGR 2554.8 SG3 1127.2
 RRT .9801 RRF .9978 RTF .9800
 SGB 3794.9 R23 .0986 R13 .9929
 SG1 3776.1 SG2 377.1 TMA 42.26

ORBIT DETERMINATION ACCURACY

ST 828.2 SR 870.7 SS 1561.1
 CRT .9969 CRS -.9940 CST -.9990
 LSA 1968.2 MSA 83.7 SSA 20.7
 EL1 1200.7 EL2 47.6 ALF 46.44

LAUNCH DATE MAY 18 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 463.720

RL 151.31 LAL -.00 LOL 236.39 VL 27.057 GAL 2.87 AZL 90.71 MCA 205.11 SMA 129.84 ECC .17257 INC .7131 V1 29.446
 RP 107.73 LAP .30 LOP 81.50 VP 37.969 GAP 1.63 AZP 89.35 TAL 165.98 TAP 11.09 RCA 107.44 APO 152.25 V2 35.175
 RC 96.719 GL -7.31 GP -31.03 ZAL 67.79 ZAP 110.98 ETS 347.95 ZAE 141.77 ETE 222.89 ZAC 121.62 ETC 359.36 CLP-114.70

PLANETOCENTRIC CONIC

C3 6.979 VHL 2.642 OLA -2.30 RAL 166.83 RAD 6567.2 VEL 11.330 PTH 1.95 VHP 3.514 DPA -13.82 RAP 140.13 ECC 1.1149
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 5 26 1923.38 -11.61 23.83 13.50 116.01 7 37 29 1323.4 -8.01 16.99
 90.00 18 29 25 4709.71 15.70 201.22 14.01 66.13 19 47 55 4109.7 12.34 194.15
 100.00 8 25 42 1664.43 -12.31 4.42 13.14 117.46 8 53 26 1064.4 -8.54 357.66
 100.00 19 51 50 4443.89 16.42 181.33 13.67 64.66 21 5 54 3843.9 12.87 174.34
 110.00 9 31 29 1458.48 -14.18 347.70 12.06 121.43 9 55 48 858.5 -9.92 341.20
 110.00 21 2 32 4222.60 18.32 163.50 12.63 60.63 22 12 54 3622.6 14.27 156.73

DIFFERENTIAL CORRECTIONS

TDE -.4739 TRA .7437 TC3-4.8087 BAU .5232
 RDE -.3265 RRA .6722 RC3-2.8839 FAU .13849
 FDE -2.4495 FRA 3.8581 FC-17.1789 BSP 11893
 BDE .5755 BRA 1.0025 BC3 5.6071 FSP -3789

MID-COURSE EXECUTION ACCURACY

SGT 3180.8 SGR 2225.4 SG3 1161.5
 RRT .9825 RRF .9965 RTF .9831
 SGB 3882.0 R23 .1036 R13 .9913
 SG1 3867.0 SG2 340.9 TMA 34.81

ORBIT DETERMINATION ACCURACY

ST 1138.8 SR 833.8 SS 1786.1
 CRT .9935 CRS -.9937 CST -.9998
 LSA 2274.7 MSA 86.9 SSA 19.9
 EL1 1409.3 EL2 76.5 ALF 36.16

LAUNCH DATE MAY 18 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 469.985

RL 151.31 LAL -.00 LOL 236.39 VL 27.048 GAL 2.99 AZL 91.04 MCA 208.34 SMA 129.78 ECC .17369 INC 1.0379 V1 29.446
 RP 107.70 LAP .49 LOP 84.72 VP 37.972 GAP 2.04 AZP 89.09 TAL 165.52 TAP 13.86 RCA 107.24 APO 152.32 V2 35.185
 RC 98.967 GL -10.44 GP -27.39 ZAL 67.06 ZAP 115.64 ETS 346.92 ZAE 141.67 ETE 215.82 ZAC 122.76 ETC 1.07 CLP-119.17

PLANETOCENTRIC CONIC

C3 7.286 VHL 2.699 OLA -5.54 RAL 166.47 RAD 6567.2 VEL 11.344 PTH 1.95 VHP 3.519 DPA -10.03 RAP 140.28 ECC 1.1199
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 28 21 1829.53 -8.75 18.41 13.44 117.04 7 58 51 1229.5 -5.05 11.68
 90.00 18 3 36 4818.78 18.58 207.93 14.70 68.24 19 23 54 4218.8 15.47 200.64
 100.00 8 47 5 1575.58 -9.47 359.35 13.06 118.49 9 13 20 975.6 -5.59 352.71
 100.00 19 27 33 4547.97 19.34 187.68 14.37 66.75 20 43 21 3948.0 16.02 180.45
 110.00 9 49 19 1380.71 -11.38 343.42 11.92 122.45 10 12 20 780.7 -7.01 337.04
 110.00 20 41 48 4315.60 21.33 169.03 13.36 62.64 21 53 44 3715.6 17.50 162.00

DIFFERENTIAL CORRECTIONS

TDE -.6262 TRA .8388 TC3-5.0694 BAU .5467
 RDE -.3130 RRA .5945 RC3-2.4102 FAU .13709
 FDE -2.7783 FRA 3.8703 FC-16.2899 BSP 12344
 BDE .7000 BRA 1.0281 BC3 5.6132 FSP -3797

MID-COURSE EXECUTION ACCURACY

SGT 3529.4 SGR 1934.4 SG3 1160.0
 RRT .9831 RRF .9944 RTF .9850
 SGB 4024.7 R23 .1010 R13 .9901
 SG1 4012.7 SG2 311.3 TMA 28.50

ORBIT DETERMINATION ACCURACY

ST 1435.8 SR 766.5 SS 1946.5
 CRT .9907 CRS -.9925 CST -.9998
 LSA 2535.5 MSA 94.1 SSA 18.8
 EL1 1625.0 EL2 92.0 ALF 27.97

LAUNCH DATE MAY 18 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC
 RL 151.31 LAL -1.00 LOL 236.39 VL 27.037 GAL 3.12 AZL 91.30 MCA 211.57 SMA 129.71 ECC .17500 INC 1.3015 V1 29.446
 RP 107.67 LAP .68 LOP 87.95 VP 37.973 GAP 2.45 A7P 88.89 TAL 165.01 TAP 16.59 RCA 107.01 APO 152.40 V2 35.195
 RC 101.218 GL -12.82 GP -24.30 ZAL 66.27 ZAP 120.05 ETS 346.20 ZAE 140.92 ETE 209.86 ZAC 123.56 ETC 2.72 CLP-123.33

PLANETOCENTRIC CONIC
 C3 7.634 VML 2.763 DLA -8.13 RAL 166.46 RAD 6567.2 VEL 11.359 PTH 1.96 VMP 3.566 DPA -6.83 RAP 140.45 ECC 1.1256
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 48 12 1755.90 -6.45 14.23 13.93 117.63 8 17 28 1155.9 -2.70 7.55
 90.00 17 43 38 4909.24 20.76 213.67 15.81 70.30 19 5 27 4309.2 17.89 206.17
 100.00 9 5 37 1506.15 -7.19 355.46 13.52 119.09 9 30 43 906.1 -3.26 348.88
 100.00 19 8 54 4634.22 21.56 193.12 15.49 68.78 20 26 8 4034.2 18.48 185.68
 110.00 10 4 54 1320.52 -9.16 340.17 12.32 123.08 10 26 54 720.5 -4.74 333.87
 110.00 20 26 7 4392.61 23.67 173.79 14.51 64.58 21 39 19 3792.6 20.05 166.52

DIFFERENTIAL CORRECTIONS
 TDE -.7758 TRA .9352 TC3-5.2498 BAU .5739 SGT 3852.4 SGR 1683.5 SG3 1133.7 ST 1715.0 SR 686.0 SS 2056.5
 RDE -.2886 RRA .5309 RC3-2.0146 FAU .13279 RRT .9823 RRF .9913 RTF .9861 CRT .9875 CRS -.9902 CST -.9997
 FDE -3.0005 FRA 3.8249 FC-15.0601 BSP 12939 SGB 4204.2 R23 .0916 R13 .9893 LSA 2762.3 MSA 100.6 SSA 18.1
 BDE .8277 BRA 1.0754 BC3 5.6231 FSP -3726 SG1 4194.2 SG2 289.7 THA 23.35 EL1 1844.4 EL2 100.5 ALF 21.62

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 18 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC
 RL 151.31 LAL -1.00 LOL 236.39 VL 27.024 GAL 3.26 AZL 91.52 MCA 214.81 SMA 129.62 ECC .17650 INC 1.5206 V1 29.446
 RP 107.65 LAP .87 LOP 91.19 VP 37.972 GAP 2.86 A7P 88.75 TAL 164.47 TAP 19.27 RCA 106.74 APO 152.50 V2 35.204
 RC 103.470 GL -14.65 GP -21.67 ZAL 65.41 ZAP 124.17 ETS 345.71 ZAE 139.79 ETE 204.98 ZAC 124.03 ETC 4.27 CLP-127.18

PLANETOCENTRIC CONIC
 C3 8.015 VML 2.831 DLA -10.23 RAL 166.71 RAD 6567.3 VEL 11.376 PTH 1.96 VMP 3.644 DPA -4.16 RAP 140.70 ECC 1.1319
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 5 58 1696.59 -4.56 10.89 14.79 117.98 8 34 14 1096.6 -1.78 4.24
 90.00 17 27 55 4986.42 22.45 218.70 17.22 72.28 18 51 1 4386.4 19.82 211.01
 100.00 9 22 14 1450.52 -5.34 352.36 14.36 119.45 9 46 24 850.5 -1.38 345.82
 100.00 18 54 19 4707.72 23.29 197.89 16.92 70.72 20 12 47 4107.7 20.45 190.25
 110.00 10 18 58 1272.87 -7.38 337.63 13.11 123.47 10 40 11 672.9 -2.93 331.37
 110.00 20 14 5 4458.13 25.52 177.98 15.96 66.44 21 28 23 3858.1 22.11 170.49

DIFFERENTIAL CORRECTIONS
 TDE -.9191 TRA 1.0366 TC3-5.3500 BAU .6009 SGT 4145.0 SGR 1467.7 SG3 1089.2 ST 1969.0 SR 599.1 SS 2118.0
 RDE -.2569 RRA .4803 RC3-1.6830 FAU .12606 RRT .9796 RRF .9867 RTF .9867 CRT .9826 CRS -.9861 CST -.9997
 FDE -3.1190 FRA 3.7549 FC-13.6164 BSP 13546 SGB 4397.1 R23 .0784 R13 .9887 LSA 2951.3 MSA 106.8 SSA 17.7
 BDE .9543 BRA 1.1425 BC3 5.6085 FSP -3580 SG1 4388.3 SG2 278.4 THA 19.21 EL1 2055.4 EL2 106.5 ALF 16.69

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 18 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC
 RL 151.31 LAL -1.00 LOL 236.39 VL 27.010 GAL 3.42 AZL 91.71 MCA 218.04 SMA 129.52 ECC .17819 INC 1.7068 V1 29.446
 RP 107.62 LAP 1.05 LOP 94.42 VP 37.970 GAP 3.27 A7P 88.66 TAL 163.88 TAP 21.93 RCA 106.44 APO 152.60 V2 35.212
 RC 105.723 GL -16.06 GP -19.43 ZAL 64.47 ZAP 128.00 ETS 345.37 ZAE 138.47 ETE 201.06 ZAC 124.21 ETC 5.68 CLP-130.76

PLANETOCENTRIC CONIC
 C3 8.427 VML 2.903 DLA -11.97 RAL 167.18 RAD 6567.3 VEL 11.394 PTH 1.97 VMP 3.746 DPA -1.92 RAP 141.08 ECC 1.1387
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 22 15 1647.94 -3.00 8.16 15.95 118.17 8 49 42 1047.9 .79 1.53
 90.00 17 15 23 5053.79 23.78 223.19 18.86 74.15 18 39 37 4453.8 21.37 215.34
 100.00 9 37 29 1405.17 -3.82 349.86 15.49 119.67 10 0 54 805.2 .16 343.33
 100.00 18 42 49 4771.79 24.67 202.16 18.56 72.56 20 2 21 4171.8 22.05 194.34
 110.00 10 31 57 1234.59 -5.94 335.61 14.18 123.73 10 52 32 634.6 -1.46 329.37
 110.00 20 4 51 4515.14 27.01 181.74 17.64 68.21 21 20 6 3915.1 23.81 174.04

DIFFERENTIAL CORRECTIONS
 TDE -1.0598 TRA 1.1395 TC3-5.3999 BAU .6290 SGT 4414.7 SGR 1285.8 SG3 1035.5 ST 2204.4 SR 515.8 SS 2151.3
 RDE -.2238 RRA .4382 RC3-1.4167 FAU .11854 RRT .9751 RRF .9801 RTF .9871 CRT .9754 CRS -.9797 CST -.9997
 FDE -3.1739 FRA 3.6562 FC-12.1774 BSP 14213 SGB 4598.1 R23 .0625 R13 .9883 LSA 3121.0 MSA 111.8 SSA 17.5
 BDE 1.0831 BRA 1.2208 BC3 5.5826 FSP -3413 SG1 4589.9 SG2 274.2 THA 15.91 EL1 2261.3 EL2 110.8 ALF 12.89

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 18 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC
 RL 151.31 LAL -1.00 LOL 236.39 VL 26.995 GAL 3.59 AZL 91.87 MCA 221.28 SMA 129.42 ECC .18006 INC 1.8681 V1 29.446
 RP 107.60 LAP 1.23 LOP 97.65 VP 37.966 GAP 3.68 A7P 88.60 TAL 163.26 TAP 24.54 RCA 106.11 APO 152.72 V2 35.220
 RC 107.975 GL -17.15 GP -17.50 ZAL 63.47 ZAP 131.55 ETS 345.13 ZAE 137.07 ETE 197.93 ZAC 124.10 ETC 6.96 CLP-134.07

PLANETOCENTRIC CONIC
 C3 8.872 VML 2.979 DLA -13.44 RAL 167.83 RAD 6567.3 VEL 11.413 PTH 1.98 VMP 3.868 DPA -.06 RAP 141.60 ECC 1.1460
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 37 26 1607.52 -1.70 5.90 17.33 118.27 9 4 13 1007.5 2.09 359.28
 90.00 17 5 22 5113.74 24.83 227.27 20.67 75.93 18 30 35 4513.7 22.65 219.27
 100.00 9 51 44 1367.79 -2.56 347.80 16.85 119.79 10 14 32 767.8 1.43 341.28
 100.00 18 33 44 4828.72 25.77 206.03 20.39 74.31 19 54 13 4228.7 23.37 198.05
 110.00 10 44 10 1203.58 -4.76 333.97 15.48 123.89 11 4 14 603.6 -.28 327.76
 110.00 19 57 48 4565.70 28.24 185.16 19.50 69.89 21 13 54 3965.7 25.24 177.27

DIFFERENTIAL CORRECTIONS
 TDE -1.1966 TRA 1.2459 TC3-5.4024 BAU .6564 SGT 4661.2 SGR 1132.9 SG3 976.7 ST 2419.4 SR 437.8 SS 2159.6
 RDE -.1902 RRA .4040 RC3-1.2004 FAU .11051 RRT .9680 RRF .9708 RTF .9872 CRT .9640 CRS -.9692 CST -.9997
 FDE -3.1749 FRA 3.5477 FC-10.7833 BSP 14896 SGB 4796.9 R23 .0469 R13 .9880 LSA 3270.3 MSA 116.5 SSA 17.4
 BDE 1.2116 BRA 1.3098 BC3 5.5342 FSP -3233 SG1 4789.0 SG2 276.5 THA 13.29 EL1 2456.0 EL2 114.7 ALF 9.92

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 18 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 501.012

RL 151.31 LAL -.00 LOL 236.39 VL 26.978 GAL 3.77 AZL 92.01 MCA 224.52 SMA 129.30 ECC .18213 INC 2.0100 V1 29.446
 RP 107.58 LAP 1.41 LOP 100.89 VP 37.961 GAP 4.09 AZP 88.57 TAL 162.60 TAP 27.12 RCA 105.75 APO 152.86 V2 35.227
 RC 110.226 GL -17.98 GP -15.85 ZAL 62.40 ZAP 134.83 ETS 344.94 ZAE 135.67 ETE 195.43 ZAC 123.76 ETC 8.09 CLP-137.13

PLANETOCENTRIC CONIC

C3 9.353 VML 3.058 DLA -14.70 RAL 168.62 RAD 6567.3 VEL 11.434 PTH 1.98 VHP 4.006 DPA 1.47 RAP 142.25 ECC 1.1539
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 51 47 1573.75 -.61 4.02 18.90 118.31 9 18 0 973.7 3.18 357.39
 90.00 16 57 21 5167.93 25.67 231.01 22.63 77.63 18 23 29 4567.9 23.71 222.89
 100.00 10 5 13 1336.81 -1.51 346.10 18.40 119.86 10 27 30 736.8 2.48 339.58
 100.00 18 26 36 4880.10 26.67 209.58 22.37 75.97 19 47 56 4280.1 24.48 201.47
 110.00 10 55 47 1178.41 -3.80 332.65 16.97 124.00 11 15 25 578.4 .68 326.44
 110.00 19 52 31 4611.26 29.27 188.31 21.51 71.50 21 9 23 4011.3 26.46 180.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.3294 TRA 1.3568 TC3-5.3627 BAU .6827 SGT 4885.6 SGR 1004.7 SG3 916.0 ST 2614.3 SR 367.0 SS 2148.9
 RDE -.1571 RRA .3760 RC3-1.0240 FAU .10236 RRT .9578 RRF .9582 RTF .9872 CRT .9454 CRS -.9518 CST -.9997
 FDE-3.1366 FRA 3.4359 FC3-9.4746 BSP 15550 SGB 4987.8 R23 .0327 R13 .9876 LSA 3401.8 MSA 121.1 SSA 17.3
 BDE 1.3387 BRA 1.4079 BC3 5.4596 FSP -3043 SG1 4979.7 SG2 283.2 THA 11.18 EL1 2637.2 EL2 118.6 ALF 7.57

LAUNCH DATE MAY 18 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 507.153

RL 151.31 LAL -.00 LOL 236.39 VL 26.960 GAL 3.97 AZL 92.14 MCA 227.76 SMA 129.18 ECC .18440 INC 2.1363 V1 29.446
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.954 GAP 4.50 AZP 88.56 TAL 161.90 TAP 29.66 RCA 105.36 APO 153.01 V2 35.233
 RC 112.475 GL -18.61 GP -14.42 ZAL 61.28 ZAP 187.87 ETS 344.79 ZAE 134.33 ETE 193.43 ZAC 123.20 ETC 9.07 CLP-139.98

PLANETOCENTRIC CONIC

C3 9.874 VML 3.142 DLA -15.79 RAL 169.54 RAD 6567.4 VEL 11.457 PTH 1.99 VHP 4.158 DPA 2.71 RAP 143.05 ECC 1.1625
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 5 27 1545.46 .30 2.44 20.63 118.32 9 31 12 945.5 4.08 355.80
 90.00 16 51 1 5217.55 26.35 234.49 24.73 79.24 18 17 58 4617.5 24.60 226.26
 100.00 10 18 4 1311.16 -.64 344.69 20.11 119.89 10 39 55 711.2 3.34 338.17
 100.00 18 21 5 4927.09 27.40 212.88 24.48 77.56 19 43 12 4327.1 25.41 204.64
 110.00 11 6 55 1158.11 -3.03 331.59 18.61 124.06 11 26 13 558.1 1.46 325.39
 110.00 19 48 43 4652.90 30.13 191.24 23.67 73.04 21 6 16 4052.9 27.52 183.03

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.4552 TRA 1.4767 TC3-5.2736 BAU .7057 SGT 5084.7 SGR 897.0 SG3 854.7 ST 2784.6 SR 303.3 SS 2118.3
 RDE -.1241 RRA .3541 RC3 -.8763 FAU .09393 RRT .9434 RRF .9413 RTF .9869 CRT .9129 CRS -.9210 CST -.9997
 FDE-3.0609 FRA 3.3349 FC3-8.2350 BSP 16095 SGB 5163.2 R23 .0214 R13 .9872 LSA 3509.6 MSA 126.2 SSA 17.3
 BDE 1.4604 BRA 1.5186 BC3 5.3459 FSP -2835 SG1 5154.9 SG2 293.4 THA 9.48 EL1 2798.4 EL2 123.2 ALF 5.69

LAUNCH DATE MAY 18 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 513.271

RL 151.31 LAL -.00 LOL 236.39 VL 26.941 GAL 4.19 AZL 92.25 MCA 231.01 SMA 129.06 ECC .18688 INC 2.2505 V1 29.446
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.946 GAP 4.91 AZP 88.58 TAL 161.17 TAP 32.18 RCA 104.94 APO 153.17 V2 35.239
 RC 114.720 GL -19.06 GP -13.18 ZAL 60.11 ZAP 140.69 ETS 344.65 ZAE 133.06 ETE 191.82 ZAC 122.45 ETC 9.91 CLP-142.62

PLANETOCENTRIC CONIC

C3 10.441 VML 3.231 DLA -16.73 RAL 170.57 RAD 6567.4 VEL 11.482 PTH 2.00 VHP 4.322 DPA 3.72 RAP 143.98 ECC 1.1718
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 18 32 1521.91 1.06 1.13 22.50 118.30 9 43 54 921.9 4.84 354.48
 90.00 16 46 5 5263.45 26.89 237.74 26.93 80.79 18 13 48 4663.5 25.34 229.41
 100.00 10 30 23 1290.09 .08 343.54 21.95 119.89 10 51 53 690.1 4.06 337.01
 100.00 18 16 55 4970.51 28.00 215.97 26.71 79.08 19 39 46 4370.5 26.21 207.62
 110.00 11 17 39 1141.99 -2.42 330.75 20.39 124.11 11 36 41 542.0 2.08 324.54
 110.00 19 46 8 4691.37 30.87 194.00 25.94 74.52 21 4 20 4091.4 28.43 185.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.5809 TRA 1.5994 TC3-5.1676 BAU .7291 SGT 5270.6 SGR 808.1 SG3 796.6 ST 2942.3 SR 249.7 SS 2083.2
 RDE -.0934 RRA .3355 RC3 -.7577 FAU .08628 RRT .9248 RRF .9197 RTF .9867 CRT .8590 CRS -.8691 CST -.9997
 FDE-2.9777 FRA 3.2298 FC3-7.1540 BSP 16684 SGB 5332.2 R23 .0110 R13 .9868 LSA 3611.3 MSA 130.8 SSA 17.2
 BDE 1.5836 BRA 1.6342 BC3 5.2229 FSP -2653 SG1 5323.5 SG2 304.4 THA 8.10 EL1 2950.1 EL2 127.5 ALF 4.18

LAUNCH DATE MAY 18 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 519.364

RL 151.31 LAL -.00 LOL 236.39 VL 26.921 GAL 4.42 AZL 92.35 MCA 234.25 SMA 128.92 ECC .18957 INC 2.3546 V1 29.446
 RP 107.52 LAP 1.91 LOP 110.61 VP 37.936 GAP 5.33 AZP 88.62 TAL 160.41 TAP 34.66 RCA 104.48 APO 153.36 V2 35.244
 RC 116.961 GL -19.37 GP -12.10 ZAL 58.89 ZAP 143.30 ETS 344.50 ZAE 131.88 ETE 190.52 ZAC 121.53 ETC 10.62 CLP-145.09

PLANETOCENTRIC CONIC

C3 11.060 VML 3.326 DLA -17.55 RAL 171.68 RAD 6567.4 VEL 11.509 PTH 2.00 VHP 4.498 DPA 4.51 RAP 145.04 ECC 1.1820
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 31 7 1502.54 1.69 .05 24.49 118.27 9 56 9 902.5 5.45 353.39
 90.00 16 42 22 5306.30 27.32 240.80 29.24 82.26 18 10 49 4706.3 25.97 232.39
 100.00 10 42 14 1273.05 .66 342.60 23.92 119.89 11 3 27 673.0 4.63 336.07
 100.00 18 13 56 5011.02 28.49 218.88 29.04 80.54 19 37 27 4411.0 26.89 210.44
 110.00 11 28 2 1129.55 -1.94 330.10 22.29 124.13 11 46 52 529.6 2.55 323.89
 110.00 19 44 37 4727.28 31.49 196.61 28.32 75.95 21 3 25 4127.3 29.24 188.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7037 TRA 1.7294 TC3-5.0337 BAU .7506 SGT 5439.7 SGR 734.4 SG3 741.4 ST 3082.9 SR 206.1 SS 2040.6
 RDE -.0639 RRA .3204 RC3 -.6588 FAU .07901 RRT .9010 RRF .8928 RTF .9863 CRT .7670 CRS -.7794 CST -.9998
 FDE-2.8834 FRA 3.1326 FC3-6.1846 BSP 17233 SGB 5489.0 R23 .0025 R13 .9864 LSA 3700.3 MSA 135.4 SSA 17.1
 BDE 1.7049 BRA 1.7588 BC3 5.0766 FSP -2479 SG1 5479.9 SG2 316.3 THA 6.96 EL1 3087.0 EL2 132.1 ALF 2.94

LAUNCH DATE MAY 18 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC
 RL 151.31 LAL -.00 LOL 236.39 VL 26.901 GAL 4.67 AZL 92.45 MCA 237.49 SMA 128.78 ECC .19248 INC 2.4505 V1 29.446
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.926 GAP 5.75 AZP 88.68 TAL 159.63 TAP 37.12 RCA 103.99 APO 153.57 V2 35.248
 RC 119.197 GL -19.55 GP -11.16 ZAL 57.63 ZAP 145.74 ETS 344.33 ZAE 130.80 ETE 189.45 ZAC 120.46 ETC 11.22 CLP-147.39

PLANETOCENTRIC CONIC
 C3 11.737 VML 3.426 CLA -18.27 RAL 172.86 RAD 6567.4 VEL 11.538 PTH 2.01 VHP 4.683 DPA 5.11 RAP 146.21 ECC 1.1932
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 43 13 1486.94 2.19 359.18 26.59 118.24 10 8 0 886.9 5.95 352.51
 90.00 16 39 43 5346.57 27.66 243.70 31.65 83.68 18 8 50 4746.6 26.50 235.23
 100.00 10 53 39 1259.66 1.11 341.87 25.99 119.87 11 14 39 659.7 5.08 335.33
 100.00 18 11 59 5049.08 28.88 221.64 31.47 81.94 19 36 8 4449.1 27.47 213.12
 110.00 11 38 5 1120.43 -1.59 329.62 24.30 124.15 11 56 46 520.4 2.90 323.42
 110.00 19 44 2 4761.07 32.02 199.10 30.81 77.34 21 3 23 4161.1 29.95 190.50

DIFFERENTIAL CORRECTIONS
 TDE-1.8237 TRA 1.8672 TC3-4.8768 BAU .7706 SGT 5593.0 SGR 673.4 SG3 689.4 ORBIT DETERMINATION ACCURACY
 ROE -.0354 RRA .3081 RC3 -.5755 FAU .07217 RRT .8716 RRF .8602 RTF .9859 CRT .6151 CRS -.6302 CST -.9998 ST 3207.0 SR 173.7 SS 1992.1
 FDE-2.7818 FRA 3.0430 FC3-5.3232 BSP 17739 SGB 5633.4 R23 -.0043 R13 .9859 LSA 3776.7 MSA 140.2 SSA 16.9
 BDE 1.8240 BRA 1.8924 BC3 4.9106 FSP -2312 SG1 5623.8 SG2 328.3 THA 6.01 EL1 3208.8 EL2 136.8 ALF 1.91

LAUNCH DATE MAY 18 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC
 RL 151.31 LAL -.00 LOL 236.39 VL 26.879 GAL 4.94 AZL 92.54 MCA 240.74 SMA 128.64 ECC .19563 INC 2.5398 V1 29.446
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.914 GAP 6.18 AZP 88.76 TAL 158.81 TAP 39.55 RCA 103.47 APO 153.80 V2 35.252
 RC 121.426 GL -19.63 GP -10.34 ZAL 56.35 ZAP 148.01 ETS 344.12 ZAE 129.80 ETE 188.57 ZAC 119.26 ETC 11.71 CLP-149.56

PLANETOCENTRIC CONIC
 C3 12.481 VML 3.533 CLA -18.91 RAL 174.11 RAD 6567.5 VEL 11.570 PTH 2.02 VHP 4.878 DPA 5.56 RAP 147.49 ECC 1.2054
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 54 52 1474.84 2.58 358.50 28.78 118.21 10 19 27 874.8 6.33 351.83
 90.00 16 38 2 5384.63 27.91 246.45 34.14 85.04 18 7 46 4784.6 26.93 237.93
 100.00 11 4 39 1249.65 1.45 341.32 28.16 119.86 11 25 29 649.6 5.41 334.77
 100.00 18 10 56 5085.06 29.20 224.27 33.99 83.29 19 35 41 4485.1 27.96 215.68
 110.00 11 47 50 1114.38 -1.36 329.31 26.40 124.16 12 6 24 514.4 3.13 323.10
 110.00 19 44 15 4793.09 32.47 201.49 33.38 78.68 21 4 8 4193.1 30.57 192.79

DIFFERENTIAL CORRECTIONS
 TDE-1.9418 TRA 2.0135 TC3-4.7008 BAU .7889 SGT 5732.6 SGR 623.1 SG3 640.9 ORBIT DETERMINATION ACCURACY
 ROE -.0080 RRA .2980 RC3 -.5048 FAU .06580 RRT .8367 RRF .8219 RTF .9855 CRT .3925 CRS -.4098 CST -.9998 ST 3316.5 SR 154.2 SS 1940.4
 FDE-2.6784 FRA 2.9609 FC3-4.5641 BSP 18211 SGB 5766.4 R23 -.0101 R13 .9855 LSA 3842.7 MSA 145.0 SSA 16.7
 BDE 1.9418 BRA 2.0354 BC3 4.7279 FSP -2158 SG1 5756.4 SG2 339.9 THA 5.21 EL1 3317.0 EL2 141.8 ALF 1.05

LAUNCH DATE MAY 18 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC
 RL 151.31 LAL -.00 LOL 236.39 VL 26.857 GAL 5.23 AZL 92.62 MCA 243.99 SMA 128.49 ECC .19902 INC 2.6237 V1 29.446
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.901 GAP 6.61 AZP 88.85 TAL 157.97 TAP 41.96 RCA 102.92 APO 154.06 V2 35.255
 RC 123.648 GL -19.61 GP -9.61 ZAL 55.04 ZAP 150.14 ETS 343.87 ZAE 128.89 ETE 187.84 ZAC 117.96 ETC 12.12 CLP-151.59

PLANETOCENTRIC CONIC
 C3 13.301 VML 3.647 CLA -19.46 RAL 175.41 RAD 6567.5 VEL 11.605 PTH 2.03 VHP 5.083 DPA 5.86 RAP 148.86 ECC 1.2189
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 6 5 1466.04 2.86 358.01 31.06 118.18 10 30 31 866.0 6.61 351.33
 90.00 16 37 11 5420.78 28.10 249.08 36.71 86.34 18 7 32 4820.8 27.30 240.51
 100.00 11 15 15 1242.80 1.68 340.94 30.41 119.85 11 35 58 642.8 5.64 334.40
 100.00 18 10 41 5119.25 29.44 226.78 36.58 84.59 19 36 1 4519.3 28.38 218.14
 110.00 11 57 15 1111.18 -1.24 329.14 28.58 124.16 12 15 46 511.2 3.25 322.93
 110.00 19 45 11 4823.64 32.86 203.79 36.04 79.99 21 5 34 4223.6 31.13 194.99

DIFFERENTIAL CORRECTIONS
 TDE-2.0557 TRA 2.1715 TC3-4.5014 BAU .8043 SGT 5856.8 SGR 581.8 SG3 595.7 ORBIT DETERMINATION ACCURACY
 ROE .0189 RRA .2898 RC3 -.4430 FAU .05967 RRT .7959 RRF .7781 RTF .9849 CRT .1229 CRS -.1415 CST -.9998 ST 3408.5 SR 148.2 SS 1884.0
 FDE-2.5707 FRA 2.8907 FC3-3.8837 BSP 18583 SGB 5885.6 R23 -.0143 R13 .9849 LSA 3894.4 MSA 150.2 SSA 16.6
 BDE 2.0558 BRA 2.1908 BC3 4.5231 FSP -2004 SG1 5875.1 SG2 351.1 THA 4.54 EL1 3408.6 EL2 147.1 ALF .31

LAUNCH DATE MAY 18 1967

FLIGHT TIME 196.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC
 RL 151.31 LAL -.00 LOL 236.39 VL 26.834 GAL 5.54 AZL 92.70 MCA 247.23 SMA 128.33 ECC .20267 INC 2.7030 V1 29.446
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.886 GAP 7.05 AZP 88.95 TAL 157.11 TAP 44.34 RCA 102.32 APO 154.34 V2 35.257
 RC 125.861 GL -19.52 GP -8.97 ZAL 53.72 ZAP 152.14 ETS 343.57 ZAE 128.05 ETE 187.22 ZAC 116.55 ETC 12.44 CLP-153.51

PLANETOCENTRIC CONIC
 C3 14.206 VML 3.769 CLA -19.94 RAL 176.75 RAD 6567.6 VEL 11.644 PTH 2.04 VHP 5.297 DPA 6.03 RAP 150.32 ECC 1.2338
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 16 49 1460.39 3.04 357.69 33.42 118.17 10 41 10 860.4 6.79 351.01
 90.00 16 37 7 5455.24 28.22 251.60 39.35 87.60 18 8 2 4855.2 27.59 242.99
 100.00 11 25 26 1238.98 1.81 340.74 32.73 119.84 11 46 5 639.0 5.77 334.18
 100.00 18 11 11 5151.89 29.63 229.19 39.25 85.85 19 37 3 4551.9 28.74 220.50
 110.00 12 6 22 1110.70 -1.22 329.11 30.84 124.16 12 24 53 510.7 3.27 322.91
 110.00 19 46 45 4852.93 33.18 206.01 38.78 81.27 21 7 37 4252.9 31.62 197.14

DIFFERENTIAL CORRECTIONS
 TDE-2.1709 TRA 2.3366 TC3-4.2972 BAU .8195 SGT 5971.7 SGR 547.7 SG3 554.2 ORBIT DETERMINATION ACCURACY
 ROE .0450 RRA .2825 RC3 -.3904 FAU .05421 RRT .7503 RRF .7293 RTF .9845 CRT -.1295 CRS -.1113 CST -.9998 ST 3490.7 SR 153.4 SS 1829.2
 FDE-2.4697 FRA 2.8231 FC3-3.3035 BSP 18988 SGB 5996.8 R23 -.0182 R13 .9844 LSA 3940.9 MSA 155.1 SSA 16.4
 BDE 2.1714 BRA 2.3556 BC3 4.3149 FSP -1872 SG1 5985.9 SG2 361.3 THA 3.95 EL1 3490.8 EL2 152.1 ALF 179.67

LAUNCH DATE MAY 18 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 549.414

RL 151.31 LAL -.00 LOL 236.39 VL 26.810 GAL 5.86 AZL 92.78 MCA 250.48 SMA 128.18 ECC .20659 INC 2.7786 V1 29.446
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.871 GAP 7.50 AZP 89.07 TAL 156.23 TAP 46.71 RCA 101.70 APO 154.66 V2 35.258
 RC 128.066 GL -19.36 GP -8.41 ZAL 52.38 ZAP 154.02 ETS 343.21 ZAE 127.29 ETE 186.70 ZAC 115.05 ETC 12.71 CLP-155.33

PLANETOCENTRIC CONIC

C3 15.209 VHL 3.900 DLA -20.36 RAL 178.12 RAD 6567.6 VEL 11.687 PTH 2.06 VMP 5.521 DPA 6.09 RAP 151.84 ECC 1.2503
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 27 6 1457.80 3.13 357.55 35.84 118.16 10 51 24 857.8 6.87 350.87
 90.00 16 37 45 5488.18 28.29 254.00 42.05 88.80 18 9 14 4888.2 27.83 245.37
 100.00 11 35 12 1238.07 1.84 340.68 35.13 119.84 11 55 50 638.1 5.80 334.13
 100.00 18 12 21 5183.15 29.76 231.50 41.99 87.06 19 38 44 4583.1 29.04 222.77
 110.00 12 15 9 1112.82 -1.30 329.23 33.16 124.16 12 33 42 512.8 3.19 323.02
 110.00 19 48 53 4881.15 33.45 208.17 41.60 82.52 21 10 14 4281.2 32.06 199.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.2859 TRA 2.5116 TC3-4.0848 BAU .8335
 RDE .0705 RRA .2762 RC3 -.3444 FAU .04918
 FOE-2.3727 FRA 2.7621 FC3-2.7997 BSP 19374
 BOE 2.2870 BRA 2.5267 BC3 4.0993 FSP -1750

SGT 6076.4 SGR 519.8 SG3 515.9
 RRT .7001 RRF .6762 RTF .9840
 SGB 6098.6 R23 -.0214 R13 .9839
 SGI 6087.3 SG2 370.5 TMA 3.44

ST 3561.3 SR 166.3 SS 1774.6
 CRT -.3274 CRS .3104 CST -.9998
 LSA 3979.2 MSA 159.9 SSA 16.1
 EL1 3561.7 EL2 157.1 ALF 179.12

LAUNCH DATE MAY 18 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 555.328

RL 151.31 LAL -.00 LOL 236.39 VL 26.786 GAL 6.21 AZL 92.85 MCA 253.73 SMA 128.01 ECC .21082 INC 2.8513 V1 29.446
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.854 GAP 7.96 AZP 89.20 TAL 155.33 TAP 49.05 RCA 101.03 APO 155.00 V2 35.259
 RC 130.261 GL -19.14 GP -7.90 ZAL 51.03 ZAP 155.80 ETS 342.78 ZAE 126.60 ETE 186.26 ZAC 113.47 ETC 12.92 CLP-157.06

PLANETOCENTRIC CONIC

C3 16.320 VHL 4.040 DLA -20.73 RAL 179.51 RAD 6567.7 VEL 11.735 PTH 2.07 VMP 5.755 DPA 6.05 RAP 153.44 ECC 1.2686
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 36 55 1458.18 3.11 357.57 38.32 118.16 11 1 13 858.2 6.86 350.89
 90.00 16 39 3 5519.75 28.32 256.31 44.82 89.96 18 11 3 4919.8 28.01 247.66
 100.00 11 44 31 1239.98 1.78 340.79 37.58 119.84 12 5 11 640.0 5.74 334.24
 100.00 18 14 8 5213.19 29.84 233.73 44.79 88.23 19 41 1 4613.2 29.28 224.97
 110.00 12 23 37 1117.45 -1.48 329.47 35.54 124.16 12 42 14 517.5 3.01 323.26
 110.00 19 51 31 4908.47 33.68 210.27 44.47 83.75 21 13 20 4308.5 32.44 201.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.4002 TRA 2.6982 TC3-3.8639 BAU .8456
 RDE .0959 RRA .2704 RC3 -.3035 FAU .04451
 FOE-2.2789 FRA 2.7081 FC3-2.3610 BSP 19711
 BOE 2.4021 BRA 2.7117 BC3 3.8758 FSP -1635

SGT 6170.5 SGR 496.8 SG3 480.7
 RRT .6461 RRF .6195 RTF .9835
 SGB 6190.4 R23 -.0239 R13 .9834
 SGI 6178.9 SG2 378.7 TMA 2.99

ST 3619.9 SR 183.5 SS 1720.0
 CRT -.4685 CRS .4529 CST -.9998
 LSA 4008.5 MSA 164.7 SSA 15.9
 EL1 3620.9 EL2 162.1 ALF 178.64

LAUNCH DATE MAY 18 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 561.203

RL 151.31 LAL -.00 LOL 236.39 VL 26.761 GAL 6.59 AZL 92.92 MCA 256.97 SMA 127.85 ECC .21536 INC 2.9215 V1 29.446
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.837 GAP 8.44 AZP 89.34 TAL 154.41 TAP 51.39 RCA 100.32 APO 155.39 V2 35.259
 RC 132.447 GL -18.87 GP -7.46 ZAL 49.69 ZAP 157.50 ETS 342.28 ZAE 125.86 ETE 185.87 ZAC 111.83 ETC 13.08 CLP-158.71

PLANETOCENTRIC CONIC

C3 17.557 VHL 4.190 DLA -21.03 RAL 180.91 RAD 6567.7 VEL 11.787 PTH 2.08 VMP 5.999 DPA 5.92 RAP 155.09 ECC 1.2889
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 46 13 1461.47 3.01 357.75 40.85 118.17 11 10 35 861.5 6.75 351.07
 90.00 16 40 58 5550.08 28.30 258.53 47.64 91.07 18 13 28 4950.1 28.15 249.87
 100.00 11 53 25 1244.64 1.62 341.05 40.08 119.85 12 14 9 644.6 5.58 334.50
 100.00 18 16 28 5242.15 29.89 235.88 47.65 89.36 19 43 50 4642.1 29.48 227.10
 110.00 12 31 44 1124.52 -1.75 329.84 37.98 124.14 12 50 28 524.5 2.74 323.63
 110.00 19 54 38 4935.03 33.85 212.33 47.42 84.95 21 16 53 4335.0 32.78 203.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.5111 TRA 2.9002 TC3-3.6298 BAU .8543
 RDE .1214 RRA .2652 RC3 -.2667 FAU .04000
 FOE-2.1856 FRA 2.6638 FC3-1.9722 BSP 19946
 BOE 2.5141 BRA 2.9123 BC3 3.6396 FSP -1521

SGT 6252.7 SGR 477.9 SG3 448.1
 RRT .5892 RRF .5606 RTF .9829
 SGB 6270.9 R23 -.0256 R13 .9828
 SGI 6259.0 SG2 385.8 TMA 2.59

ST 3663.8 SR 202.9 SS 1663.9
 CRT -.5659 CRS .5515 CST -.9998
 LSA 4025.5 MSA 169.6 SSA 15.6
 EL1 3665.6 EL2 167.2 ALF 178.20

LAUNCH DATE MAY 18 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 567.036

RL 151.31 LAL -.00 LOL 236.39 VL 26.736 GAL 6.98 AZL 92.99 MCA 260.22 SMA 127.69 ECC .22025 INC 2.9900 V1 29.446
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.818 GAP 8.92 AZP 89.49 TAL 153.48 TAP 53.70 RCA 99.56 APO 155.81 V2 35.258
 RC 134.624 GL -18.55 GP -7.05 ZAL 48.35 ZAP 159.11 ETS 341.68 ZAE 125.38 ETE 185.54 ZAC 110.12 ETC 13.21 CLP-160.28

PLANETOCENTRIC CONIC

C3 18.935 VHL 4.351 DLA -21.29 RAL 182.33 RAD 6567.8 VEL 11.846 PTH 2.10 VMP 6.255 DPA 5.71 RAP 156.79 ECC 1.3116
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 55 1 1467.62 2.81 358.10 43.43 118.19 11 19 29 867.6 6.56 351.42
 90.00 16 43 26 5579.26 28.24 260.66 50.51 92.14 18 16 25 4979.3 28.24 252.00
 100.00 12 1 50 1251.99 1.37 341.45 42.63 119.86 12 22 42 652.0 5.33 334.90
 100.00 18 19 18 5270.13 29.89 237.97 50.56 90.46 19 47 8 4670.1 29.63 229.17
 110.00 12 39 30 1133.96 -2.11 330.33 40.46 124.13 12 58 24 534.0 2.38 324.13
 110.00 19 58 8 4960.93 33.99 214.34 50.41 86.13 21 20 49 4360.9 33.08 205.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.6269 TRA 3.1106 TC3-3.4029 BAU .8635
 RDE .1466 RRA .2598 RC3 -.2343 FAU .03603
 FOE-2.1020 FRA 2.6211 FC3-1.6472 BSP 20251
 BOE 2.6310 BRA 3.1215 BC3 3.4109 FSP -1426

SGT 6329.1 SGR 462.2 SG3 418.3
 RRT .5299 RRF .4996 RTF .9824
 SGB 6346.0 R23 -.0270 R13 .9824
 SGI 6333.9 SG2 391.7 TMA 2.22

ST 3702.8 SR 222.3 SS 1612.1
 CRT -.6340 CRS .6207 CST -.9998
 LSA 4040.8 MSA 174.1 SSA 15.4
 EL1 3705.4 EL2 171.8 ALF 177.82

LAUNCH DATE MAY 18 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 572.823

RL 151.31 LAL -0.00 LOL 236.39 VL 26.710 GAL 7.41 AZL 93.06 MCA 263.47 SMA 127.52 ECC .22551 INC 3.0572 V1 29.446
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.799 GAP 9.43 AZP 89.65 TAL 152.54 TAP 56.01 RCA 98.76 APO 156.28 V2 35.256
 RC 136.791 GL -18.19 GP -6.70 ZAL 47.02 ZAP 160.65 ETS 340.97 ZAE 124.84 ETE 185.24 ZAC 108.37 ETC 13.30 CLP-161.80

PLANETOCENTRIC CONIC

C3 20.474 VHL 4.525 DLA -21.51 RAL 183.74 RAD 6567.8 VEL 11.910 PTH 2.12 VHP 6.524 DPA 5.43 RAP 158.53 ECC 1.3370
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 3 18 1476.58 2.52 358.60 46.04 118.21 11 27 55 876.6 6.28 351.93
 90.00 16 46 25 5607.40 28.15 262.72 53.44 93.17 18 19 52 5007.4 28.30 254.06
 100.00 12 9 48 1261.98 1.03 342.00 45.21 119.88 12 30 50 662.0 5.00 335.46
 100.00 18 22 37 5297.24 29.86 239.98 53.51 91.52 19 50 54 4697.2 29.75 231.18
 110.00 12 46 53 1145.70 -2.56 330.94 42.97 124.10 13 5 59 545.7 1.93 324.74
 110.00 20 2 0 4986.28 34.09 216.31 53.46 87.30 21 25 6 4386.3 33.34 207.15

DIFFERENTIAL CORRECTIONS

TDE-2.7435 TRA 3.3347 TC3-3.1743 BAU .8707
 RDE .1720 RRA .2542 RC3 -.2051 FAU .03234
 FDE-2.0233 FRA 2.5839 FC3-1.3674 BSP 20529
 BDE 2.7489 BRA 3.3444 BC3 3.1809 FSP -1337

MID-COURSE EXECUTION ACCURACY

SGT 6396.8 SGR 448.9 SG3 390.8
 RRT .4689 RRF .4374 RTF .9820
 SGB 6412.5 R23 -.0282 R13 .9820
 SGI 6400.3 SG2 396.3 TMA 1.89

ORBIT DETERMINATION ACCURACY

ST 3732.3 SR 241.3 SS 1561.9
 CRT -.6826 CRS .6704 CST -.9998
 LSA 4049.1 MSA 178.2 SSA 15.1
 EL1 3735.9 EL2 176.2 ALF 177.47

LAUNCH DATE MAY 18 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC

DISTANCE 578.560

RL 151.31 LAL -0.00 LOL 236.39 VL 26.684 GAL 7.86 AZL 93.12 MCA 266.72 SMA 127.35 ECC .23117 INC 3.1234 V1 29.446
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.778 GAP 9.95 AZP 89.82 TAL 151.60 TAP 58.31 RCA 97.91 APO 156.79 V2 35.254
 RC 138.949 GL -17.80 GP -6.37 ZAL 45.70 ZAP 162.12 ETS 340.13 ZAE 124.34 ETE 184.98 ZAC 106.56 ETC 13.37 CLP-163.26

PLANETOCENTRIC CONIC

C3 22.198 VHL 4.711 DLA -21.68 RAL 185.14 RAD 6567.9 VEL 11.982 PTH 2.14 VHP 6.806 DPA 5.08 RAP 160.31 ECC 1.3653
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 11 3 1488.30 2.15 359.25 48.69 118.24 11 35 51 888.3 5.90 352.59
 90.00 16 49 53 5634.58 28.04 264.70 56.40 94.15 18 23 48 5034.6 28.32 256.04
 100.00 12 17 16 1274.55 .61 342.69 47.83 119.89 12 38 31 674.5 4.58 336.15
 100.00 18 26 20 5323.57 29.79 241.93 56.52 92.54 19 55 4 4723.6 29.83 233.13
 110.00 12 53 55 1159.70 -3.09 331.67 45.52 124.06 13 13 14 559.7 1.40 325.47
 110.00 20 6 12 5011.17 34.15 218.25 56.56 88.45 21 29 43 4411.2 33.56 209.06

DIFFERENTIAL CORRECTIONS

TDE-2.8614 TRA 3.5733 TC3-2.9456 BAU .8757
 RDE .1976 RRA .2482 RC3 -.1788 FAU .02889
 FDE-1.9490 FRA 2.5519 FC3-1.1267 BSP 20773
 BDE 2.8682 BRA 3.5819 BC3 2.9510 FSP -1254

MID-COURSE EXECUTION ACCURACY

SGT 6455.9 SGR 437.7 SG3 365.5
 RRT .4069 RRF .3746 RTF .9816
 SGB 6470.8 R23 -.0289 R13 .9816
 SGI 6458.4 SG2 399.7 TMA 1.59

ORBIT DETERMINATION ACCURACY

ST 3752.8 SR 259.4 SS 1513.3
 CRT -.7183 CRS .7069 CST -.9998
 LSA 4050.6 MSA 182.1 SSA 14.8
 EL1 3757.4 EL2 180.2 ALF 177.15

LAUNCH DATE MAY 18 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC

DISTANCE 584.240

RL 151.31 LAL -0.00 LOL 236.39 VL 26.658 GAL 8.34 AZL 93.19 MCA 269.96 SMA 127.18 ECC .23727 INC 3.1892 V1 29.446
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.757 GAP 10.49 AZP 90.00 TAL 150.64 TAP 60.61 RCA 97.00 APO 157.36 V2 35.251
 RC 141.095 GL -17.38 GP -6.08 ZAL 44.40 ZAP 163.34 ETS 339.15 ZAE 123.88 ETE 184.75 ZAC 104.72 ETC 13.43 CLP-164.67

PLANETOCENTRIC CONIC

C3 24.131 VHL 4.912 DLA -21.80 RAL 186.54 RAD 6568.0 VEL 12.063 PTH 2.16 VHP 7.103 DPA 4.67 RAP 162.12 ECC 1.3971
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 18 15 1502.73 1.68 .06 51.36 118.27 11 43 17 902.7 5.45 353.40
 90.00 16 53 48 5660.87 27.89 266.61 59.40 95.10 18 28 9 5060.9 28.31 257.97
 100.00 12 24 16 1289.63 .09 343.51 50.47 119.89 12 45 46 689.6 4.07 336.98
 100.00 18 30 27 5349.20 29.70 243.84 59.55 93.54 19 59 37 4749.2 29.88 235.03
 110.00 13 0 33 1175.90 -3.71 332.52 48.10 124.01 13 20 9 575.9 .78 326.31
 110.00 20 10 40 5035.70 34.18 220.17 59.70 89.58 21 34 36 4435.7 33.74 210.95

DIFFERENTIAL CORRECTIONS

TDE-2.9812 TRA 3.8278 TC3-2.7189 BAU .8786
 RDE .2236 RRA .2415 RC3 -.1550 FAU .02567
 FDE-1.8793 FRA 2.5253 FC3 -.9209 BSP 20995
 BDE 2.9896 BRA 3.8354 BC3 2.7233 FSP -1177

MID-COURSE EXECUTION ACCURACY

SGT 6507.6 SGR 428.1 SG3 342.2
 RRT .3443 RRF .3118 RTF .9813
 SGB 6521.6 R23 -.0291 R13 .9813
 SGI 6509.2 SG2 401.8 TMA 1.30

ORBIT DETERMINATION ACCURACY

ST 3765.4 SR 276.2 SS 1466.6
 CRT -.7452 CRS .7345 CST -.9998
 LSA 4046.1 MSA 185.7 SSA 14.5
 EL1 3771.0 EL2 183.9 ALF 176.86

LAUNCH DATE MAY 18 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC

DISTANCE 589.857

RL 151.31 LAL -0.00 LOL 236.39 VL 26.632 GAL 8.86 AZL 93.26 MCA 273.21 SMA 127.01 ECC .24386 INC 3.2550 V1 29.446
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.735 GAP 11.06 AZP 90.18 TAL 149.69 TAP 62.90 RCA 96.04 APO 157.98 V2 35.247
 RC 143.232 GL -16.94 GP -5.82 ZAL 43.12 ZAP 164.90 ETS 337.98 ZAE 123.44 ETE 184.53 ZAC 102.84 ETC 13.47 CLP-166.04

PLANETOCENTRIC CONIC

C3 26.307 VHL 5.129 DLA -21.89 RAL 187.91 RAD 6568.1 VEL 12.152 PTH 2.18 VHP 7.416 DPA 4.21 RAP 163.95 ECC 1.4329
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 24 54 1519.79 1.13 1.01 54.05 118.30 11 50 13 919.8 4.90 354.36
 90.00 16 58 7 5686.36 27.72 268.45 62.43 96.01 18 32 53 5086.4 28.27 259.83
 100.00 12 30 46 1307.17 -.50 344.48 53.14 119.89 12 52 33 707.2 3.48 337.95
 100.00 18 34 55 5374.22 29.58 245.69 62.63 94.51 20 4 29 4774.2 29.89 236.89
 110.00 13 6 48 1194.23 -4.41 333.48 50.71 123.93 13 26 42 594.2 .08 327.27
 110.00 20 15 23 5059.92 34.18 222.06 62.87 90.70 21 39 43 4459.9 33.90 212.83

DIFFERENTIAL CORRECTIONS

TDE-3.1004 TRA 4.1020 TC3-2.4911 BAU .8774
 RDE .2501 RRA .2341 RC3 -.1335 FAU .02255
 FDE-1.8120 FRA 2.5056 FC3 -.7422 BSP 21112
 BDE 3.1105 BRA 4.1087 BC3 2.4947 FSP -1100

MID-COURSE EXECUTION ACCURACY

SGT 6550.9 SGR 419.8 SG3 320.7
 RRT .2817 RRF .2498 RTF .9810
 SGB 6564.4 R23 -.0288 R13 .9810
 SGI 6552.0 SG2 402.8 TMA 1.04

ORBIT DETERMINATION ACCURACY

ST 3767.8 SR 291.9 SS 1420.8
 CRT -.7655 CRS .7552 CST -.9998
 LSA 4032.9 MSA 189.1 SSA 14.2
 EL1 3774.5 EL2 187.5 ALF 176.60

LAUNCH DATE MAY 18 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 18 1967

HELIOCENTRIC CONIC

DISTANCE 595.403

RL 151.31 LAL -.00 LOL 236.39 VL 26.606 GAL 9.41 AZL 93.32 MCA 276.45 SMA 126.84 ECC .2509H INC 3.3212 V1 29.446
 RP 107.53 LAP 3.30 LOP 152.85 VP 37.712 GAP 11.65 AZP 90.37 TAL 148.74 TAP 65.20 RCA 95.00 APO 158.67 V2 35.243
 RC 145.356 GL -16.47 GP -5.58 ZAL 41.87 ZAP 166.22 ETS 336.58 ZAE 123.03 ETE 184.34 ZAC 100.94 ETC 13.50 CLP-167.38

PLANETOCENTRIC CONIC

C3 28.760 VHL 5.363 DLA -21.95 RAL 189.26 RAD 6568.2 VEL 12.253 PTH 2.20 VMP 7.748 DPA 3.70 RAP 165.80 ECC 1.4733
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 30 59 1539.43 .50 2.10 56.75 118.31 11 56 39 939.4 4.28 355.47
 90.00 17 2 47 5711.11 27.53 270.24 65.49 96.89 18 37 58 5111.1 28.20 261.64
 100.00 12 36 47 1327.10 -1.18 345.57 55.82 119.87 12 58 54 727.1 2.81 339.05
 100.00 18 39 41 5398.68 29.44 247.49 65.73 95.45 20 9 40 4798.7 29.88 238.71
 110.00 13 12 39 1214.65 -5.18 334.56 53.33 123.84 13 32 54 614.6 -.70 328.33
 110.00 20 20 18 5083.89 34.14 223.93 66.08 91.81 21 45 2 4483.9 34.01 214.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.2270 TRA 4.3900 TC3-2.2744 BAU .8756
 ROE .2768 RRA .2256 RC3 -.1144 FAU .01977
 FDE-1.7527 FRA 2.4878 FC3 -.5950 BSP 21307
 BOE 3.2388 BRA 4.3957 BC3 2.2773 FSP -1035

SGT 6588.4 SGR 412.4 SG3 300.9
 RRT .2185 RRF .1874 RTF .9809
 SGB 6601.3 R23 -.0284 R13 .9809
 SG1 6589.0 SG2 402.4 TMA .79

ST 3767.4 SR 305.9 SS 1379.4
 CRT -.7820 CRS .7723 CST -.9998
 LSA 4019.0 MSA 191.8 SSA 13.9
 EL1 3775.0 EL2 190.3 ALF 176.36

LAUNCH DATE MAY 18 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 20 1967

HELIOCENTRIC CONIC

DISTANCE 600.867

RL 151.31 LAL -.00 LOL 236.39 VL 26.579 GAL 10.01 AZL 93.39 MCA 279.70 SMA 126.67 ECC .2586H INC 3.3883 V1 29.446
 RP 107.54 LAP 3.34 LOP 156.10 VP 37.688 GAP 12.27 AZP 90.57 TAL 147.80 TAP 67.50 RCA 93.90 APO 159.43 V2 35.237
 RC 147.469 GL -15.99 GP -5.36 ZAL 40.65 ZAP 167.49 ETS 334.90 ZAE 122.63 ETE 184.16 ZAC 99.01 ETC 13.53 CLP-168.68

PLANETOCENTRIC CONIC

C3 31.536 VHL 5.616 DLA -21.97 RAL 190.58 RAD 6568.3 VEL 12.366 PTH 2.23 VMP 8.100 DPA 3.15 RAP 167.67 ECC 1.5190
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 36 32 1561.56 -.22 3.34 59.47 118.32 12 2 34 961.6 3.57 356.71
 90.00 17 7 48 5735.18 27.33 271.97 68.58 97.73 18 43 23 5135.2 28.11 263.39
 100.00 12 42 17 1349.34 -1.93 346.79 58.52 119.84 13 4 47 749.3 2.05 340.27
 100.00 18 44 44 5422.63 29.27 249.25 68.85 96.36 20 15 6 4822.6 29.84 240.49
 110.00 13 18 6 1237.08 -6.03 335.74 55.97 123.71 13 38 43 637.1 -1.56 329.50
 110.00 20 25 24 5107.67 34.07 225.79 69.31 92.90 21 50 32 4507.7 34.10 216.54

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.3576 TRA 4.6974 TC3-2.0632 BAU .8708
 ROE .3041 RRA .2157 RC3 -.0973 FAU .01714
 FDE-1.6979 FRA 2.4748 FC3 -.4706 BSP 21478
 BOE 3.3714 BRA 4.7024 BC3 2.0655 FSP -974

SGT 6619.2 SGR 405.7 SG3 282.5
 RRT .1553 RRF .1255 RTF .9808
 SGB 6631.6 R23 -.0277 R13 .9808
 SG1 6619.5 SG2 400.7 TMA .55

ST 3760.9 SR 318.4 SS 1340.4
 CRT -.7954 CRS .7860 CST -.9998
 LSA 4000.6 MSA 194.0 SSA 13.6
 EL1 3769.4 EL2 192.5 ALF 176.14

LAUNCH DATE MAY 18 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 22 1967

HELIOCENTRIC CONIC

DISTANCE 606.240

RL 151.31 LAL -.00 LOL 236.39 VL 26.552 GAL 10.65 AZL 93.46 MCA 282.94 SMA 126.50 ECC .26703 INC 3.4566 V1 29.446
 RP 107.56 LAP 3.37 LOP 159.35 VP 37.664 GAP 12.92 AZP 90.78 TAL 146.87 TAP 69.81 RCA 92.72 APO 160.28 V2 35.231
 RC 149.570 GL -15.49 GP -5.17 ZAL 39.46 ZAP 168.73 ETS 332.84 ZAE 122.25 ETE 183.99 ZAC 97.07 ETC 13.56 CLP-169.97

PLANETOCENTRIC CONIC

C3 34.686 VHL 5.889 DLA -21.96 RAL 191.87 RAD 6568.4 VEL 12.492 PTH 2.26 VMP 8.475 DPA 2.57 RAP 169.54 ECC 1.5708
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 41 31 1586.11 -1.01 4.71 62.19 118.30 12 7 57 986.1 2.78 358.08
 90.00 17 13 6 5758.62 27.10 273.65 71.68 98.54 18 49 4 5158.6 28.00 265.10
 100.00 12 47 18 1373.83 -2.76 348.14 61.22 119.78 13 10 12 773.8 1.22 341.61
 100.00 18 50 0 5446.13 29.08 250.97 72.00 97.25 20 20 46 4846.1 29.78 242.24
 110.00 13 23 9 1261.46 -6.95 337.03 58.63 123.55 13 44 10 661.5 -2.49 330.78
 110.00 20 30 39 5131.27 33.98 227.62 72.56 93.98 21 56 10 4531.3 34.16 218.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.4926 TRA 5.0264 TC3-1.8577 BAU .8623
 ROE .3320 RRA .2044 RC3 -.0821 FAU .01465
 FDE-1.6474 FRA 2.4669 FC3 -.3657 BSP 21617
 BOE 3.5084 BRA 5.0306 BC3 1.8595 FSP -917

SGT 6643.2 SGR 399.5 SG3 265.6
 RRT .0923 RRF .0643 RTF .9809
 SGB 6655.2 R23 -.0267 R13 .9809
 SG1 6643.3 SG2 397.8 TMA .32

ST 3748.5 SR 329.3 SS 1304.0
 CRT -.8064 CRS .7974 CST -.9998
 LSA 3977.6 MSA 195.6 SSA 13.3
 EL1 3757.9 EL2 194.3 ALF 175.94

LAUNCH DATE MAY 18 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 24 1967

HELIOCENTRIC CONIC

DISTANCE 611.508

RL 151.31 LAL -.00 LOL 236.39 VL 26.526 GAL 11.33 AZL 93.53 MCA 286.18 SMA 126.33 ECC .27611 INC 3.5267 V1 29.446
 RP 107.58 LAP 3.39 LOP 162.60 VP 37.639 GAP 13.62 AZP 90.98 TAL 145.95 TAP 72.13 RCA 91.45 APO 161.21 V2 35.225
 RC 151.657 GL -14.99 GP -4.99 ZAL 38.30 ZAP 169.92 ETS 330.29 ZAE 121.87 ETE 183.83 ZAC 95.12 ETC 13.58 CLP-171.23

PLANETOCENTRIC CONIC

C3 38.272 VHL 6.186 DLA -21.92 RAL 193.13 RAD 6568.5 VEL 12.635 PTH 2.29 VMP 8.875 DPA 1.95 RAP 171.43 ECC 1.6299
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 45 57 1612.99 -1.88 6.21 64.91 118.26 12 12 50 1013.0 1.91 359.58
 90.00 17 18 39 5781.46 26.86 275.28 74.80 99.33 18 55 0 5181.5 27.87 266.76
 100.00 12 51 48 1400.47 -3.66 349.60 63.93 119.69 13 15 9 800.5 .32 343.07
 100.00 18 55 29 5469.21 28.87 252.65 75.15 98.11 20 26 38 4869.2 29.69 243.95
 110.00 13 27 46 1287.72 -7.93 338.42 61.29 123.36 13 49 14 687.7 -3.49 332.15
 110.00 20 36 0 5154.73 33.85 229.44 75.82 95.05 22 1 55 4554.7 34.18 220.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.6294 TRA 5.3821 TC3-1.6555 BAU .8478
 ROE .3605 RRA .1914 RC3 -.0686 FAU .01220
 FDE-1.5992 FRA 2.4656 FC3 -.2759 BSP 21644
 BOE 3.6473 BRA 5.3855 BC3 1.6570 FSP -860

SGT 6660.6 SGR 393.9 SG3 249.9
 RRT .0300 RRF .0043 RTF .9810
 SGB 6672.2 R23 -.0252 R13 .9810
 SG1 6660.6 SG2 393.8 TMA .10

ST 3728.4 SR 338.7 SS 1269.1
 CRT -.8152 CRS .8064 CST -.9998
 LSA 3948.1 MSA 196.9 SSA 12.9
 EL1 3738.6 EL2 195.6 ALF 175.75

LAUNCH DATE MAY 19 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 28 1967

HELIOCENTRIC CONIC

DISTANCE 138.794

RL 151.34 LAL -.00 LOL 237.35 VL 18.073 GAL 14.98 AZL 92.16 MCA 46.47 SMA 92.99 ECC .65901 INC 2.1574 V1 29.440
 RP 108.86 LAP -1.56 LOP 283.80 VP 31.797 GAP -40.24 AZP 91.49 TAL 171.88 TAP 218.36 RCA 31.71 APO 154.27 V2 34.810
 RC 62.843 GL -2.95 GP 1.60 ZAL 70.21 ZAP 27.10 ETS 185.10 ZAE 148.49 ETE 167.58 ZAC 132.24 ETC 22.92 CLP 27.06

PLANETOCENTRIC CONIC

C3 162.888 VML 12.763 CLA 2.35 RAL 167.04 RAD 6570.8 VEL 16.859 PTH 2.91 VHP 23.196 DPA 21.72 RAP 134.53 ECC 3.6807
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 27 53 2772.44 -28.08 79.82 64.62 93.81 7 14 5 2172.4 -27.26 71.25
 90.00 19 0 46 5270.73 26.97 238.26 62.23 81.03 20 28 37 4670.7 25.46 229.92
 100.00 7 50 19 2506.54 -29.62 60.14 64.49 94.20 8 32 6 1906.5 -28.73 51.45
 100.00 20 21 1 5011.87 28.50 218.94 61.95 80.57 21 44 33 4411.9 26.90 210.50
 110.00 9 1 4 2285.07 -33.82 42.91 64.08 95.32 9 39 9 1685.1 -32.71 33.85
 110.00 21 26 45 4806.10 32.64 202.47 61.10 79.24 22 46 51 4206.1 30.81 193.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6403 TRA -1.5707 TC3 -.1055 BAU .2338 SGT 808.2 SGR 452.8 SG3 30.9 ST 357.1 SR 403.1 SS 332.1
 ROE -.8869 RRA -.4663 RC3 .0201 FAU .01377 RRT .0535 RRF -.0499 RTF -.6247 CRT -.7028 CRS -.7874 CST .9902
 FDE -.3226 FRA .5962 FC3 -.0732 BSP 2083 SGB 926.4 R23 -.0012 R13 -.6249 LSA 591.7 MSA 223.5 SSA 13.9
 BDE 1.0939 BRA 1.6384 BC3 .1074 FSP -64 SGI 808.7 SG2 451.9 THA 2.50 EL1 497.6 EL2 205.8 ALF 130.10

LAUNCH DATE MAY 19 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 30 1967

HELIOCENTRIC CONIC

DISTANCE 144.762

RL 151.34 LAL -.00 LOL 237.35 VL 18.739 GAL 14.39 AZL 92.27 MCA 49.64 SMA 94.62 ECC .63168 INC 2.2680 V1 29.440
 RP 108.88 LAP -1.73 LOP 286.96 VP 32.174 GAP -38.35 AZP 91.47 TAL 171.22 TAP 220.86 RCA 34.85 APO 154.38 V2 34.805
 RC 60.850 GL -3.40 GP 1.65 ZAL 69.19 ZAP 25.58 ETS 185.34 ZAE 149.27 ETE 166.27 ZAC 130.69 ETC 22.32 CLP 25.53

PLANETOCENTRIC CONIC

C3 146.746 VML 12.114 CLA 1.54 RAL 167.82 RAD 6570.6 VEL 16.373 PTH 2.86 VHP 22.242 DPA 21.36 RAP 136.25 ECC 3.4151
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 37 3 2728.59 -27.84 76.63 63.55 95.39 7 22 32 2128.6 -26.80 68.12
 90.00 18 57 50 5277.50 27.04 238.74 62.01 81.27 20 25 47 4677.5 25.56 230.39
 100.00 7 59 7 2463.91 -29.37 56.99 63.38 95.84 8 40 11 1863.9 -28.25 48.37
 100.00 20 18 28 5017.41 28.56 219.34 61.74 80.78 21 42 5 4417.4 26.99 210.89
 110.00 9 9 0 2245.18 -33.52 39.84 62.82 97.12 9 46 25 1645.2 -32.18 30.86
 110.00 21 25 4 4808.91 32.68 202.68 60.90 79.36 22 45 13 4208.9 30.87 193.93

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6420 TRA -1.5681 TC3 -.1100 BAU .2207 SGT 844.9 SGR 457.9 SG3 33.5 ST 376.6 SR 406.3 SS 350.7
 ROE -.8483 RRA -.4507 RC3 .0233 FAU .01402 RRT .0551 RRF -.0522 RTF -.6447 CRT -.7033 CRS -.7905 CST .9898
 FDE -.3384 FRA .6162 FC3 -.0827 BSP 2246 SGB 960.9 R23 -.0020 R13 -.6449 LSA 614.4 MSA 228.5 SSA 14.1
 BDE 1.0638 BRA 1.6316 BC3 .1125 FSP -71 SGI 845.4 SG2 456.9 THA 2.42 EL1 511.5 EL2 212.6 ALF 131.92

LAUNCH DATE MAY 19 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 1 1967

HELIOCENTRIC CONIC

DISTANCE 150.813

RL 151.34 LAL -.00 LOL 237.35 VL 19.361 GAL 13.80 AZL 92.37 MCA 52.80 SMA 96.24 ECC .60505 INC 2.3687 V1 29.440
 RP 108.90 LAP -1.89 LOP 290.13 VP 32.534 GAP -36.57 AZP 91.43 TAL 170.58 TAP 223.38 RCA 38.01 APO 154.47 V2 34.800
 RC 58.919 GL -3.87 GP 1.70 ZAL 68.23 ZAP 24.08 ETS 185.63 ZAE 150.16 ETE 164.80 ZAC 129.12 ETC 21.75 CLP 24.02

PLANETOCENTRIC CONIC

C3 132.277 VML 11.501 CLA .72 RAL 168.53 RAD 6570.4 VEL 15.925 PTH 2.81 VHP 21.323 DPA 20.98 RAP 137.98 ECC 3.1769
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 45 56 2683.91 -27.51 73.40 62.36 96.98 7 30 40 2083.9 -26.26 64.96
 90.00 18 54 37 5283.41 27.10 239.16 61.65 81.47 20 22 40 4683.4 25.64 -230.80
 100.00 8 7 37 2420.45 -29.03 53.81 62.14 97.48 -8 47 57 1820.4 -27.69 45.26
 100.00 20 15 37 5022.10 28.61 219.68 61.38 80.95 21 39 20 4422.1 27.06 211.22
 110.00 9 16 38 2204.44 -33.14 36.72 61.45 98.92 9 53 22 1604.4 -31.55 27.85
 110.00 21 23 6 4810.87 32.70 202.83 60.56 79.44 22 43 17 4210.9 30.90 194.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6411 TRA -1.5676 TC3 -.1149 BAU .2087 SGT 884.2 SGR 462.2 SG3 36.4 ST 396.2 SR 408.8 SS 369.8
 ROE -.8102 RRA -.4348 RC3 .0270 FAU .01427 RRT .0584 RRF -.0552 RTF -.6631 CRT -.7020 CRS -.7932 CST .9890
 FDE -.3545 FRA .6367 FC3 -.0934 BSP 2352 SGB 997.7 R23 -.0020 R13 -.6633 LSA 637.2 MSA 233.6 SSA 14.4
 BDE 1.0331 BRA 1.6268 BC3 .1180 FSP -78 SGI 884.8 SG2 461.2 THA 2.40 EL1 525.2 EL2 219.6 ALF 133.72

LAUNCH DATE MAY 19 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 3 1967

HELIOCENTRIC CONIC

DISTANCE 156.941

RL 151.34 LAL -.00 LOL 237.35 VL 19.940 GAL 13.22 AZL 92.46 MCA 55.96 SMA 97.86 ECC .57918 INC 2.4612 V1 29.440
 RP 108.91 LAP -2.04 LOP 293.29 VP 32.878 GAP -34.87 AZP 91.38 TAL 169.96 TAP 225.92 RCA 41.18 APO 154.53 V2 34.795
 RC 57.057 GL -4.38 GP 1.76 ZAL 67.33 ZAP 22.60 ETS 185.97 ZAE 151.17 ETE 163.13 ZAC 127.52 ETC 21.22 CLP 22.53

PLANETOCENTRIC CONIC

C3 119.293 VML 10.922 CLA .10 RAL 169.17 RAD 6570.2 VEL 15.512 PTH 2.77 VHP 20.438 DPA 20.58 RAP 139.72 ECC 2.9633
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 54 32 2638.38 -27.09 70.14 61.06 98.56 7 38 30 2038.4 -25.63 61.77
 90.00 18 51 6 5288.52 27.15 239.53 61.15 81.65 20 19 15 4688.5 25.72 231.15
 100.00 8 15 50 2376.14 -28.59 50.99 60.79 99.12 8 55 26 1776.1 -27.03 42.13
 100.00 20 12 29 5025.99 28.65 219.96 60.90 81.09 21 36 15 4426.0 27.12 211.49
 110.00 9 23 58 2162.85 -32.65 33.57 59.97 100.73 10 0 1 1562.9 -30.83 24.83
 110.00 21 20 50 4812.04 32.72 202.91 60.09 79.49 22 41 3 4212.0 30.92 194.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6424 TRA -1.5642 TC3 -.1185 BAU .1953 SGT 924.0 SGR 465.9 SG3 39.6 ST 417.4 SR 410.6 SS 389.7
 ROE -.7726 RRA -.4185 RC3 .0310 FAU .01457 RRT .0604 RRF -.0579 RTF -.6816 CRT -.7024 CRS -.7962 CST .9885
 FDE -.3715 FRA .6570 FC3 -.1057 BSP 2514 SGB 1034.8 R23 -.0027 R13 -.6818 LSA 661.8 MSA 237.7 SSA 14.6
 BDE 1.0048 BRA 1.6192 BC3 .1225 FSP -87 SGI 924.6 SG2 464.8 THA 2.34 EL1 540.2 EL2 225.8 ALF 135.67

LAUNCH DATE MAY 19 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 5 1967

HELIOCENTRIC CONIC

DISTANCE 163.142

RL 151.34 LAL -.00 LOL 237.35 VL 20.481 GAL 12.65 AZL 92.55 MCA 59.12 SMA 99.46 ECC .55412 INC 2.5470 V1 29.440
 RP 108.92 LAP -2.19 LOP 296.45 VP 33.205 GAP -33.26 AZP 91.31 TAL 169.37 TAP 228.49 RCA 44.35 APO 154.57 V2 34.792
 RC 53.270 GL -4.91 GP 1.83 ZAL 66.51 ZAP 21.13 ETS 186.38 ZAE 152.28 ETE 161.21 ZAC 125.91 ETC 20.71 CLP 21.05

PLANETOCENTRIC CONIC

C3 107.636 VHL 10.375 CLA -.92 RAL 169.73 RAD 6570.1 VEL 15.132 PTH 2.72 VHP 19.585 DPA 20.17 RAP 141.46 ECC 2.7714
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 2 51 2592.00 -26.58 66.84 59.65 100.14 7 46 3 1992.0 -24.91 58.57
 90.00 18 47 17 5292.93 27.20 239.84 60.53 81.80 20 15 29 4692.9 25.78 231.46
 100.00 8 23 46 2330.99 -28.06 47.34 59.34 100.76 9 2 37 1731.0 -26.29 38.98
 100.00 20 9 3 5029.18 28.69 220.19 60.28 81.21 21 32 52 4429.2 27.17 211.72
 110.00 9 31 2 2120.43 -32.07 30.40 58.39 102.52 10 6 22 1520.4 -30.01 21.79
 110.00 21 18 16 4812.50 32.72 202.95 59.48 79.51 22 38 29 4212.5 30.93 194.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TCE .6437 TRA-1.5599 TC3 -.1212 BAU .1818 SGT 965.4 SGR 468.9 SG3 43.0 ST 439.6 SR 411.7 SS 410.5
 ROE -.7356 RRA -.4021 RC3 .0356 FAU .01490 RRT .0627 RRF -.0607 RTF -.6995 CRT -.7029 CRS -.7992 CST .9880
 FDE -.3892 FRA .6775 FC3 -.1198 BSP 2678 SGB 1073.2 R23 -.0035 R13 -.6997 LSA 687.6 MSA 241.4 SSA 14.7
 BOE .9775 BRA 1.6109 BC3 .1263 FSP -96 SG1 965.9 SG2 467.7 THA 2.28 EL1 556.0 EL2 231.5 ALF 137.67

LAUNCH DATE MAY 19 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 7 1967

HELIOCENTRIC CONIC

DISTANCE 169.410

RL 151.34 LAL -.00 LOL 237.35 VL 20.986 GAL 12.10 AZL 92.63 MCA 62.29 SMA 101.05 ECC .52992 INC 2.6274 V1 29.440
 RP 108.93 LAP -2.33 LOP 299.61 VP 33.516 GAP -31.72 AZP 91.22 TAL 168.80 TAP 231.09 RCA 47.50 APO 154.59 V2 34.789
 RC 53.566 GL -5.48 GP 1.90 ZAL 65.77 ZAP 19.67 ETS 186.88 ZAE 153.50 ETE 159.00 ZAC 124.29 ETC 20.23 CLP 19.58

PLANETOCENTRIC CONIC

C3 97.164 VHL 9.857 CLA -1.74 RAL 170.22 RAD 6569.9 VEL 14.782 PTH 2.67 VHP 18.763 DPA 19.75 RAP 143.21 ECC 2.5991
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 10 54 2544.77 -25.97 63.51 58.15 101.70 7 53 19 1944.8 -24.10 55.35
 90.00 18 43 7 5296.76 27.23 240.12 59.77 81.93 20 11 24 4696.8 25.84 231.73
 100.00 8 31 26 2285.00 -27.43 44.06 57.80 102.37 9 9 31 1685.0 -25.45 35.82
 100.00 20 5 16 5031.77 28.71 220.38 59.53 81.30 21 29 8 4431.8 27.21 211.90
 110.00 9 37 49 2077.19 -31.39 27.21 56.72 104.29 10 12 26 1477.2 -29.11 18.75
 110.00 21 15 22 4812.34 32.72 202.94 58.74 79.51 22 35 35 4212.3 30.93 194.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TCE .6456 TRA-1.5544 TC3 -.1227 BAU .1680 SGT 1008.2 SGR 471.1 SG3 46.8 ST 463.0 SR 412.0 SS 432.3
 ROE -.6992 RRA -.3856 RC3 .0408 FAU .01526 RRT .0647 RRF -.0637 RTF -.7168 CRT -.7040 CRS -.8024 CST .9875
 FDE -.4079 FRA .6982 FC3 -.1360 BSP 2857 SGB 1112.8 R23 -.0044 R13 -.7170 LSA 714.9 MSA 244.4 SSA 14.9
 BOE .9517 BRA 1.6015 BC3 .1293 FSP -106 SG1 1008.7 SG2 469.8 THA 2.21 EL1 572.9 EL2 236.5 ALF 139.72

LAUNCH DATE MAY 19 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC

DISTANCE 175.740

RL 151.34 LAL -.00 LOL 237.35 VL 21.458 GAL 11.55 AZL 92.70 MCA 65.45 SMA 102.61 ECC .50660 INC 2.7032 V1 29.440
 RP 108.94 LAP -2.46 LOP 302.77 VP 33.810 GAP -30.25 AZP 91.12 TAL 168.27 TAP 233.71 RCA 50.63 APO 154.59 V2 34.786
 RC 51.953 GL -6.08 GP 1.98 ZAL 65.09 ZAP 18.23 ETS 187.49 ZAE 154.83 ETE 156.42 ZAC 122.65 ETC 19.77 CLP 18.12

PLANETOCENTRIC CONIC

C3 87.757 VHL 9.368 CLA -2.57 RAL 170.63 RAD 6569.7 VEL 14.460 PTH 2.63 VHP 17.970 DPA 19.32 RAP 144.95 ECC 2.4443
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 18 41 2496.72 -25.26 60.17 56.56 103.23 8 0 18 1896.7 -23.19 52.11
 90.00 18 38 36 5300.12 27.27 240.36 58.90 82.05 20 6 56 4700.1 25.88 231.96
 100.00 8 38 50 2238.18 -26.71 40.77 56.17 103.96 9 16 8 1638.2 -24.52 32.65
 100.00 20 1 8 5033.89 28.73 220.54 58.65 81.38 21 25 2 4433.9 27.24 212.05
 110.00 9 44 20 2033.15 -30.60 24.02 54.98 106.03 10 18 13 1433.2 -28.10 15.72
 110.00 21 12 8 4811.68 32.71 202.89 57.87 79.48 22 32 19 4211.7 30.92 194.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TCE .6449 TRA-1.5502 TC3 -.1241 BAU .1555 SGT 1053.7 SGR 472.6 SG3 50.8 ST 486.5 SR 411.4 SS 454.9
 ROE -.6635 RRA -.3692 RC3 .0465 FAU .01565 RRT .0687 RRF -.0673 RTF -.7324 CRT -.7033 CRS -.8053 CST .9867
 FDE -.4273 FRA .7195 FC3 -.1544 BSP 2976 SGB 1154.9 R23 -.0044 R13 -.7325 LSA 742.7 MSA 247.2 SSA 15.1
 BOE .9252 BRA 1.5936 BC3 .1325 FSP -117 SG1 1054.4 SG2 471.2 THA 2.20 EL1 589.7 EL2 241.3 ALF 141.73

LAUNCH DATE MAY 19 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 182.126

RL 151.34 LAL -.00 LOL 237.35 VL 21.897 GAL 11.02 AZL 92.78 MCA 68.61 SMA 104.14 ECC .48420 INC 2.7753 V1 29.440
 RP 108.94 LAP -2.58 LOP 305.94 VP 34.090 GAP -28.85 AZP 91.01 TAL 167.76 TAP 236.37 RCA 53.72 APO 154.57 V2 34.785
 RC 50.440 GL -6.71 GP 2.06 ZAL 64.49 ZAP 16.80 ETS 188.23 ZAE 156.23 ETE 153.38 ZAC 121.00 ETC 19.34 CLP 16.67

PLANETOCENTRIC CONIC

C3 79.303 VHL 8.905 CLA -3.40 RAL 170.96 RAD 6569.6 VEL 14.165 PTH 2.58 VHP 17.204 DPA 18.87 RAP 146.70 ECC 2.3051
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 26 14 2447.84 -24.46 56.82 54.89 104.73 8 7 2 1847.8 -22.20 48.88
 90.00 18 33 42 5303.16 27.30 240.57 57.90 82.15 20 2 5 4703.2 25.93 232.17
 100.00 8 45 59 2190.58 -25.88 37.48 54.47 105.50 9 22 30 1590.6 -23.50 29.48
 100.00 19 56 38 5035.66 28.75 220.66 57.66 81.45 21 20 33 4435.7 27.27 212.17
 110.00 9 50 35 1988.36 -29.72 20.83 53.17 107.73 10 23 43 1388.4 -27.01 12.70
 110.00 21 8 31 4810.64 32.70 202.81 56.89 79.43 22 28 42 4210.6 30.90 194.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TCE .6467 TRA-1.5425 TC3 -.1230 BAU .1420 SGT 1099.8 SGR 473.3 SG3 55.3 ST 512.0 SR 410.0 SS 478.8
 ROE -.6284 RRA -.3527 RC3 .0529 FAU .01609 RRT .0713 RRF -.0708 RTF -.7481 CRT -.7045 CRS -.8086 CST .9862
 FDE -.4482 FRA .7408 FC3 -.1756 BSP 3153 SGB 1171.3 R23 -.0054 R13 -.7483 LSA 772.8 MSA 249.0 SSA 15.3
 BOE .9017 BRA 1.5823 BC3 .1339 FSP -129 SG1 1100.4 SG2 471.9 THA 2.16 EL1 608.5 EL2 244.8 ALF 143.81

LAUNCH DATE MAY 19 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC

DISTANCE 188.564

RL 151.34 LAL -.00 LOL 237.35 VL 22.308 GAL 10.51 AZL 92.84 MCA 71.77 SMA 105.65 ECC .46271 INC 2.8443 V1 29.440
 RP 108.94 LAP -2.70 LOP 309.10 VP 34.354 GAP -27.51 A7P 90.89 TAL 167.30 TAP 239.06 RCA 56.76 APO 154.53 V2 34.784
 RC 49.035 GL -7.38 GP 2.16 ZAL 63.97 ZAP 15.37 ETS 189.16 ZAE 157.71 ETE 149.76 ZAC 119.34 ETC 18.93 CLP 15.22

PLANETOCENTRIC CONIC

C3 71.708 VML 8.468 DLA -4.25 RAL 171.21 RAD 6569.4 VEL 13.895 PTH 2.54 VMP 16.465 DPA 18.42 RAP 148.45 ECC 2.18001
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 33 32 2398.19 -23.56 53.46 53.16 106.18 8 13 31 1798.2 -21.12 45.64
 90.00 18 28 23 5306.03 27.32 240.78 56.79 82.25 19 56 49 4706.0 25.97 232.37
 100.00 8 52 53 2142.22 -24.96 34.18 52.70 107.01 9 28 36 1542.2 -22.39 26.32
 100.00 19 51 43 5037.23 28.77 220.78 56.55 81.51 21 15 40 4437.2 27.29 212.29
 110.00 9 56 34 1942.86 -28.73 17.66 51.31 109.37 10 28 57 1342.9 -25.82 9.69
 110.00 21 4 32 4809.35 32.68 202.71 55.79 79.38 22 24 41 4209.4 30.87 193.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6489 TRA-1.5333 TC3 -.1199 BAU .1285 SGT 1147.2 SGR 473.3 SG3 60.1 ST 538.7 SR 407.8 SS 504.0
 RDE -.5941 RRA -.3364 RC3 .0600 FAU .01658 RRT .0743 RRF -.0747 RTF -.7632 CRT -.7062 CRS -.8119 CST .9857
 FDE -.4705 FRA .7625 FC3 -.2002 BSP 3342 SGB 1241.0 R23 -.0065 R13 -.7634 LSA 804.8 MSA 250.0 SSA 15.5
 BDE .8798 BRA 1.5697 BC3 .1341 FSP -142 SG1 1147.9 SG2 471.7 THA 2.11 EL1 628.7 EL2 247.4 ALF 145.89

LAUNCH DATE MAY 19 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC

DISTANCE 195.049

RL 151.34 LAL -.00 LOL 237.35 VL 22.691 GAL 10.01 AZL 92.91 MCA 74.93 SMA 107.12 ECC .44215 INC 2.9108 V1 29.440
 RP 108.94 LAP -2.81 LOP 312.26 VP 34.604 GAP -26.22 A7P 90.76 TAL 166.87 TAP 241.79 RCA 59.76 APO 154.48 V2 34.784
 RC 47.750 GL -8.10 GP 2.26 ZAL 63.53 ZAP 13.96 ETS 190.32 ZAE 159.22 ETE 145.40 ZAC 117.68 ETC 18.54 CLP 13.78

PLANETOCENTRIC CONIC

C3 64.886 VML 8.055 DLA -5.10 RAL 171.38 RAD 6569.2 VEL 13.647 PTH 2.49 VMP 15.751 DPA 17.97 RAP 150.19 ECC 2.0679
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 40 37 2347.80 -22.56 50.10 51.36 107.58 8 19 45 1747.8 -19.95 42.41
 90.00 18 22 39 5308.89 27.35 240.99 55.56 82.35 19 51 8 4708.9 26.01 232.58
 100.00 8 59 34 2093.14 -23.94 30.89 50.87 108.45 9 34 27 1493.1 -21.20 23.17
 100.00 19 46 24 5038.78 28.78 220.89 55.34 81.56 21 10 22 4438.8 27.32 212.40
 110.00 10 2 18 1896.71 -27.65 14.51 49.40 110.95 10 33 55 1296.7 -24.55 6.71
 110.00 21 0 8 4807.97 32.67 202.61 54.57 79.32 22 20 16 4208.0 30.85 193.86

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6514 TRA-1.5225 TC3 -.1145 BAU .1155 SGT 1196.2 SGR 472.5 SG3 65.4 ST 566.7 SR 404.5 SS 530.7
 RDE -.5605 RRA -.3203 RC3 .0679 FAU .01713 RRT .0775 RRF -.0789 RTF -.7776 CRT -.7082 CRS -.8155 CST .9853
 FDE -.4945 FRA .7845 FC3 -.2285 BSP 3530 SGB 1286.1 R23 -.0076 R13 -.7778 LSA 838.8 MSA 250.3 SSA 15.6
 BDE .8594 BRA 1.5559 BC3 .1332 FSP -157 SG1 1196.9 SG2 470.8 THA 2.07 EL1 650.3 EL2 248.9 ALF 147.94

LAUNCH DATE MAY 19 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 201.576

RL 151.34 LAL -.00 LOL 237.35 VL 23.048 GAL 9.52 AZL 92.98 MCA 78.09 SMA 108.55 ECC .42252 INC 2.9754 V1 29.440
 RP 108.94 LAP -2.91 LOP 315.42 VP 34.840 GAP -24.99 A7P 90.61 TAL 166.47 TAP 244.56 RCA 62.69 APO 154.41 V2 34.785
 RC 46.594 GL -8.85 GP 2.37 ZAL 63.17 ZAP 12.55 ETS 191.81 ZAE 160.72 ETE 140.13 ZAC 116.01 ETC 18.18 CLP 12.33

PLANETOCENTRIC CONIC

C3 58.761 VML 7.666 DLA -5.96 RAL 171.47 RAD 6569.1 VEL 13.421 PTH 2.45 VMP 15.062 DPA 17.51 RAP 151.92 ECC 1.9671
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 47 29 2296.70 -21.47 46.75 49.52 108.92 8 25 46 1696.7 -18.69 39.18
 90.00 18 16 27 5311.95 27.38 241.21 54.24 82.46 19 44 59 4711.9 26.05 232.79
 100.00 9 6 0 2043.40 -22.83 27.61 49.00 109.84 9 40 4 1443.4 -19.92 20.02
 100.00 19 40 37 5040.48 28.80 221.01 54.02 81.63 21 4 37 4440.5 27.34 212.52
 110.00 10 7 47 1849.97 -26.47 11.38 47.46 112.46 10 38 37 1250.0 -23.19 3.76
 110.00 20 55 19 4806.67 32.65 202.51 53.26 79.26 22 15 26 4206.7 30.82 193.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6543 TRA-1.5103 TC3 -.1066 BAU .1032 SGT 1246.6 SGR 470.8 SG3 71.2 ST 595.9 SR 400.3 SS 558.9
 RDE -.5276 RRA -.3046 RC3 .0766 FAU .01773 RRT .0813 RRF -.0837 RTF -.7912 CRT -.7105 CRS -.8190 CST .9848
 FDE -.5202 FRA .8070 FC3 -.2612 BSP 3721 SGB 1332.6 R23 -.0089 R13 -.7914 LSA 874.7 MSA 249.9 SSA 15.8
 BDE .8405 BRA 1.5407 BC3 .1313 FSP -173 SG1 1247.3 SG2 469.0 THA 2.05 EL1 673.2 EL2 249.4 ALF 149.95

LAUNCH DATE MAY 19 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 208.140

RL 151.34 LAL -.00 LOL 237.35 VL 23.381 GAL 9.05 AZL 93.04 MCA 81.25 SMA 109.94 ECC .40381 INC 3.0385 V1 29.440
 RP 108.94 LAP -3.00 LOP 318.59 VP 35.062 GAP -23.81 A7P 90.46 TAL 166.12 TAP 247.37 RCA 65.55 APO 154.33 V2 34.786
 RC 45.578 GL -9.65 GP 2.50 ZAL 62.89 ZAP 11.16 ETS 193.76 ZAE 162.14 ETE 133.74 ZAC 114.34 ETC 17.83 CLP 10.88

PLANETOCENTRIC CONIC

C3 53.266 VML 7.298 DLA -6.83 RAL 171.46 RAD 6568.9 VEL 13.215 PTH 2.41 VMP 14.396 DPA 17.04 RAP 153.65 ECC 1.8766
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 54 9 2244.96 -20.29 43.41 47.64 110.18 8 31 34 1645.0 -17.36 35.97
 90.00 18 9 46 5315.38 27.41 241.45 52.83 82.58 19 38 21 4715.4 26.09 233.03
 100.00 9 12 14 1993.07 -21.63 24.35 47.10 111.15 9 45 27 1393.1 -18.56 16.90
 100.00 19 34 22 5042.51 28.82 221.16 52.61 81.70 20 58 24 4442.5 27.37 212.66
 110.00 10 13 2 1802.72 -25.20 8.29 45.48 113.89 10 43 5 1202.7 -21.76 .84
 110.00 20 50 4 4805.62 32.64 202.43 51.86 79.22 22 10 9 4205.6 30.81 193.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6578 TRA-1.4963 TC3 -.0957 BAU .0917 SGT 1298.4 SGR 468.4 SG3 77.6 ST 626.6 SR 395.0 SS 588.9
 RDE -.4955 RRA -.2891 RC3 .0862 FAU .01840 RRT .0855 RRF -.0892 RTF -.8043 CRT -.7133 CRS -.8227 CST .9845
 FDE -.5482 FRA .8301 FC3 -.2990 BSP 3919 SGB 1380.3 R23 -.0103 R13 -.8044 LSA 912.9 MSA 248.7 SSA 15.9
 BDE .8236 BRA 1.5240 BC3 .1288 FSP -192 SG1 1299.1 SG2 466.5 THA 2.03 EL1 697.8 EL2 248.6 ALF 151.91

LAUNCH DATE MAY 19 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 214.737

RL 151.34 LAL -.00 LOL 237.35 VL 23.692 GAL 8.60 AZL 93.10 HCA 84.41 SMA 111.29 ECC .38601 INC 3.1006 V1 29.440
 RP 108.93 LAP -3.09 LOP 321.75 VP 35.272 GAP -22.68 AZP 90.30 TAL 165.81 TAP 250.22 RCA 68.33 APO 154.24 V2 34.788
 RC 44.711 GL -10.50 GP 2.63 ZAL 62.70 ZAP 9.78 ETS 196.37 ZAE 163.40 ETE 126.03 ZAC 112.67 ETC 17.50 CLP 9.42

PLANETOCENTRIC CONIC

C3 48.339 VML 6.353 CLA -7.71 RAL 171.37 RAD 6568.8 VEL 13.027 PTH 2.38 VHP 13.754 CPA 16.58 RAP 155.37 ECC 1.7955
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 0 39 2192.63 -19.03 40.10 45.73 111.37 8 37 11 1592.6 -15.96 32.77
 90.00 18 2 33 5319.41 27.44 241.74 51.33 82.72 19 31 13 4719.4 26.15 233.31
 100.00 9 18 17 1942.19 -20.35 21.12 45.17 112.38 9 50 39 1342.2 -17.13 15.80
 100.00 19 27 37 5045.08 28.85 221.35 51.11 81.80 20 51 42 4445.1 27.41 212.84
 110.00 10 18 3 1755.04 -23.85 5.25 43.50 115.24 10 47 18 1155.0 -20.25 357.95
 110.00 20 44 20 4805.00 32.63 202.38 50.37 79.19 22 4 25 4205.0 30.79 193.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6595 TRA-1.4831 TC3 -.0831 BAU .0824 SGT 1352.7 SGR 465.2 SG3 84.6 ST 657.5 SR 388.7 SS 620.5
 ROE -.4643 RRA -.2742 RC3 .0966 FAU .01912 RRT .0917 RRF -.0958 RTF -.8156 CRT -.7147 CRS -.8262 CST .9838
 FDE -.5782 FRA .8541 FC3 -.3424 BSP 4063 SGB 1430.5 R23 -.0111 R13 -.8158 LSA 952.3 MSA 247.4 SSA 16.1
 BDE .8065 BRA 1.5082 BC3 .1274 FSP -211 SGI 1353.5 SG2 463.0 THA 2.05 ELI 722.6 EL2 247.4 ALF 153.79

LAUNCH DATE MAY 19 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 221.363

RL 151.34 LAL -.00 LOL 237.35 VL 23.981 GAL 8.16 AZL 93.16 HCA 87.57 SMA 112.59 ECC .36912 INC 3.1620 V1 29.440
 RP 108.92 LAP -3.16 LOP 324.92 VP 35.470 GAP -21.58 AZP 90.13 TAL 165.55 TAP 253.12 RCA 71.03 APO 154.14 V2 34.791
 RC 44.000 GL -11.39 GP 2.78 ZAL 62.59 ZAP 8.42 ETS 199.97 ZAE 164.39 ETE 116.92 ZAC 111.00 ETC 17.19 CLP 7.95

PLANETOCENTRIC CONIC

C3 43.927 VML 6.628 CLA -8.61 RAL 171.19 RAD 6568.7 VEL 12.857 PTH 2.34 VHP 13.133 CPA 16.13 RAP 157.07 ECC 1.7229
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 6 58 2139.77 -17.69 36.80 43.80 112.48 8 42 38 1539.8 -14.49 29.58
 90.00 17 54 48 5324.23 27.48 242.09 49.75 82.89 19 23 32 4724.2 26.21 233.65
 100.00 9 24 8 1890.84 -18.98 17.92 43.22 113.54 9 55 38 1290.8 -15.64 10.72
 100.00 19 20 20 5048.39 28.88 221.59 49.54 81.92 20 44 28 4448.4 27.46 213.07
 110.00 10 22 50 1707.00 -22.43 2.25 41.50 116.50 10 51 17 1107.0 -18.69 355.11
 110.00 20 38 6 4804.99 32.63 202.38 48.81 79.19 21 58 11 4205.0 30.79 193.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6642 TRA-1.4657 TC3 -.0648 BAU .0740 SGT 1406.9 SGR 461.2 SG3 92.3 ST 691.0 SR 381.2 SS 654.7
 ROE -.4338 RRA -.2597 RC3 .1081 FAU .01994 RRT .0976 RRF -.1031 RTF -.8272 CRT -.7181 CRS -.8299 CST .9836
 FDE -.6116 FRA .8785 FC3 -.3930 BSP 4264 SGB 1480.6 R23 -.0128 R13 -.8274 LSA 995.6 MSA 244.8 SSA 16.2
 BDE .7933 BRA 1.4885 BC3 .1261 FSP -233 SGI 1407.7 SG2 458.8 THA 2.05 ELI 750.4 EL2 244.3 ALF 155.64

LAUNCH DATE MAY 19 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 228.014

RL 151.34 LAL -.00 LOL 237.35 VL 24.249 GAL 7.74 AZL 93.22 HCA 90.73 SMA 113.84 ECC .35311 INC 3.2231 V1 29.440
 RP 108.91 LAP -3.22 LOP 328.09 VP 35.656 GAP -20.53 AZP 89.96 TAL 165.32 TAP 256.06 RCA 73.64 APO 154.04 V2 34.795
 RC 43.455 GL -12.34 GP 2.95 ZAL 62.57 ZAP 7.11 ETS 205.11 ZAE 165.01 ETE 106.57 ZAC 109.35 ETC 16.89 CLP 6.47

PLANETOCENTRIC CONIC

C3 39.978 VML 6.323 CLA -9.52 RAL 170.92 RAD 6568.5 VEL 12.702 PTH 2.31 VHP 12.534 CPA 15.68 RAP 158.77 ECC 1.6579
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 13 9 2086.42 -16.27 33.53 41.85 113.50 8 47 55 1486.4 -12.95 26.42
 90.00 17 46 28 5330.07 27.53 242.51 48.11 83.10 19 15 18 4730.1 26.29 234.06
 100.00 9 29 48 1839.08 -17.54 14.75 41.25 114.60 10 0 28 1239.1 -14.08 7.67
 100.00 19 12 29 5052.64 28.92 221.90 47.90 82.08 20 36 42 4452.6 27.52 213.38
 110.00 10 27 25 1658.70 -20.93 359.30 39.49 117.66 10 55 4 1058.7 -17.06 352.31
 110.00 20 31 22 4805.79 32.64 202.44 47.19 79.23 21 51 28 4205.8 30.81 193.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6696 TRA-1.4466 TC3 -.0423 BAU .0683 SGT 1462.1 SGR 456.5 SG3 100.8 ST 726.1 SR 372.4 SS 691.3
 ROE -.4041 RRA -.2458 RC3 .1206 FAU .02085 RRT .1046 RRF -.1116 RTF -.8383 CRT -.7218 CRS -.8336 CST .9834
 FDE -.6483 FRA .9037 FC3 -.4515 BSP 4464 SGB 1531.7 R23 -.0147 R13 -.8385 LSA 1041.7 MSA 241.4 SSA 16.3
 BDE .7821 BRA 1.4674 BC3 .1278 FSP -257 SGI 1463.0 SG2 453.7 THA 2.07 ELI 779.9 EL2 240.0 ALF 157.43

LAUNCH DATE MAY 19 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 234.685

RL 151.34 LAL -.00 LOL 237.35 VL 24.500 GAL 7.33 AZL 93.28 HCA 93.90 SMA 115.04 ECC .33797 INC 3.2843 V1 29.440
 RP 108.90 LAP -3.28 LOP 331.25 VP 35.830 GAP -19.52 AZP 89.78 TAL 165.15 TAP 259.04 RCA 76.16 APO 153.92 V2 34.799
 RC 43.079 GL -13.33 GP 3.14 ZAL 62.64 ZAP 5.88 ETS 212.76 ZAE 165.15 ETE 95.52 ZAC 107.70 ETC 16.61 CLP 4.97

PLANETOCENTRIC CONIC

C3 36.451 VML 6.037 CLA -10.45 RAL 170.56 RAD 6568.4 VEL 12.563 PTH 2.28 VHP 11.955 CPA 15.25 RAP 160.44 ECC 1.5999
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 19 12 2032.65 -14.78 30.28 39.89 114.43 8 53 4 1432.6 -11.36 23.27
 90.00 17 37 31 5337.16 27.59 243.02 46.40 83.35 19 6 28 4737.2 26.38 234.56
 100.00 9 35 20 1786.99 -16.04 11.61 39.28 115.57 10 5 7 1187.0 -12.47 4.64
 100.00 19 4 4 5058.06 28.97 222.29 46.21 82.28 20 28 22 4458.1 27.60 213.76
 110.00 10 31 47 1610.24 -19.37 356.40 37.49 118.73 10 58 38 1010.2 -15.39 349.55
 110.00 20 24 6 4807.59 32.66 202.58 45.51 79.30 21 44 14 4207.6 30.84 193.83

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6760 TRA-1.4256 TC3 -.0150 BAU .0658 SGT 1518.1 SGR 450.9 SG3 110.1 ST 762.9 SR 362.4 SS 730.5
 ROE -.3752 RRA -.2325 RC3 .1341 FAU .02186 RRT .1129 RRF -.1218 RTF -.8486 CRT -.7258 CRS -.8372 CST .9833
 FDE -.6889 FRA .9297 FC3 -.5192 BSP 4670 SGB 1583.7 R23 -.0170 R13 -.8488 LSA 1091.0 MSA 237.4 SSA 16.4
 BDE .7732 BRA 1.4445 BC3 .1349 FSP -284 SGI 1519.1 SG2 447.8 THA 2.10 ELI 811.4 EL2 234.4 ALF 159.16

LAUNCH DATE MAY 19 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 241.372

RL 151.34 LAL -1.00 LOL 237.35 VL 24.732 GAL 6.94 AZL 93.35 MCA 97.06 SMA 116.20 ECC .32368 INC 3.3460 V1 29.440
 RP 108.88 LAP -3.32 LOP 334.42 VP 35.994 GAP -18.55 AZP 89.59 TAL 165.01 TAP 262.07 RCA 78.59 APO 153.81 V2 34.804
 RC 42.876 GL -14.58 GP 3.34 ZAL 62.80 ZAP 4.81 ETS 224.50 ZAE 164.77 ETE 84.54 ZAC 106.06 ETC 16.34 CLP 3.46

PLANETOCENTRIC CONIC

C3 33.304 VHL 5.771 DLA -11.40 RAL 170.10 RAD 6568.3 VEL 12.437 PTH 2.25 VMP 11.397 OPA 14.83 RAP 162.10 ECC 1.5481
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 25 9 1978.50 -13.23 27.06 37.94 115.27 8 58 8 1378.5 -9.72 20.14
 90.00 17 27 56 5345.72 27.65 243.64 44.65 83.65 18 57 1 4745.7 26.49 235.17
 100.00 9 40 45 1734.61 -14.48 8.51 37.32 116.44 10 9 39 1134.6 -10.81 1.63
 100.00 18 55 1 5064.84 29.03 222.79 44.46 82.53 20 19 26 4464.8 27.69 214.24
 110.00 10 35 59 1561.64 -17.76 353.56 35.50 119.70 11 2 0 961.6 -13.67 346.83
 110.00 20 16 16 4810.58 32.70 202.80 43.79 79.43 21 36 27 4210.6 30.90 194.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6834 TRA-1.4031 TC3 .0178 BAU .0667
 ROE -.3470 RRA -.2199 RC3 .1487 FAU .02298
 FDE -.7341 FRA .9568 FC3 -.5975 BSP 4874
 BDE .7664 BRA 1.4203 BC3 .1498 FSP -315

SGT 1574.9 SGR 444.7 SG3 120.5
 RRT .1232 RRF -.1340 RTF -.8584
 SGB 1636.5 R23 -.0194 R13 -.8587
 SG1 1575.9 SG2 441.0 TMA 2.16

ST 801.3 SR 351.0 SS 772.9
 CRT -.7298 CRS -.8405 CST .9833
 LSA 1143.8 MSA 232.8 SSA 16.5
 EL1 844.7 EL2 227.6 ALF 160.83

LAUNCH DATE MAY 19 1967

FLIGHT TIME 104.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 248.073

RL 151.34 LAL -1.00 LOL 237.35 VL 24.948 GAL 6.57 AZL 93.41 MCA 100.23 SMA 117.30 ECC .31022 INC 3.4086 V1 29.440
 RP 108.87 LAP -3.35 LOP 337.59 VP 36.148 GAP -17.61 AZP 89.39 TAL 164.92 TAP 265.15 RCA 80.91 APO 153.69 V2 34.809
 RC 42.849 GL -15.47 GP 3.57 ZAL 63.05 ZAP 4.05 ETS 242.23 ZAE 163.92 ETE 74.41 ZAC 104.44 ETC 16.09 CLP 1.91

PLANETOCENTRIC CONIC

C3 30.502 VHL 5.523 DLA -12.36 RAL 169.56 RAD 6568.2 VEL 12.324 PTH 2.22 VMP 10.858 OPA 14.44 RAP 163.74 ECC 1.5020
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 31 3 1924.01 -11.62 23.86 35.99 116.00 9 3 7 1324.0 -8.03 17.02
 90.00 17 17 39 5355.99 27.73 244.58 42.86 84.01 18 46 55 4756.0 26.61 235.89
 100.00 9 46 3 1602.01 -12.86 5.44 35.36 117.22 10 14 5 1082.0 -9.11 358.65
 100.00 18 45 20 5073.22 29.10 223.40 42.68 82.85 20 9 53 4473.2 27.81 214.84
 110.00 10 40 0 1513.06 -16.09 350.78 33.52 120.57 11 5 13 913.1 -11.92 344.16
 110.00 20 7 53 4814.93 32.75 203.13 42.03 79.62 21 28 7 4214.9 30.97 194.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6915 TRA-1.3791 TC3 .0556 BAU .0708
 ROE -.3195 RRA -.2081 RC3 .1644 FAU .02423
 FDE -.7844 FRA .9852 FC3 -.6876 BSP 5068
 BDE .7617 BRA 1.3947 BC3 .1736 FSP -348

SGT 1632.1 SGR 437.8 SG3 132.0
 RRT .1359 RRF -.1487 RTF -.8675
 SGB 1689.8 R23 -.0221 R13 -.8678
 SG1 1633.2 SG2 433.4 TMA 2.25

ST 841.2 SR 338.0 SS 818.5
 CRT -.7336 CRS -.8434 CST .9833
 LSA 1199.9 MSA 227.8 SSA 16.6
 EL1 879.6 EL2 219.7 ALF 162.44

LAUNCH DATE MAY 19 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 254.784

RL 151.34 LAL -1.00 LOL 237.35 VL 25.148 GAL 6.22 AZL 93.47 MCA 103.39 SMA 118.35 ECC .29756 INC 3.4724 V1 29.440
 RP 108.85 LAP -3.38 LOP 340.77 VP 36.293 GAP -16.74 AZP 89.19 TAL 164.88 TAP 268.27 RCA 83.13 APO 153.56 V2 34.815
 RC 42.995 GL -16.62 GP 3.83 ZAL 63.39 ZAP 3.84 ETS 265.25 ZAE 162.68 ETE 65.62 ZAC 102.84 ETC 15.85 CLP .34

PLANETOCENTRIC CONIC

C3 28.012 VHL 5.293 DLA -13.34 RAL 168.91 RAD 6568.1 VEL 12.222 PTH 2.20 VMP 10.338 OPA 14.07 RAP 165.36 ECC 1.4610
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 36 55 1869.19 -9.97 20.69 34.06 116.64 9 8 4 1269.2 -6.31 13.91
 90.00 17 6 40 5368.20 27.81 245.26 41.04 84.45 18 36 8 4768.2 26.75 236.76
 100.00 9 51 17 1629.23 -11.20 2.40 33.42 117.90 10 18 27 1029.2 -7.38 355.69
 100.00 18 34 59 5083.39 29.19 224.15 40.87 83.23 19 59 42 4483.4 27.94 215.56
 110.00 10 43 52 1464.55 -14.39 348.04 31.55 121.34 11 8 17 864.5 -10.14 341.53
 110.00 19 58 53 4820.84 32.82 203.58 40.24 79.87 21 19 14 4220.8 31.08 194.79

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7014 TRA-1.3529 TC3 .0388 BAU .0773
 ROE -.2925 RRA -.1971 RC3 .1813 FAU .02562
 FDE -.8411 FRA 1.0147 FC3 -.7918 BSP 5285
 BDE .7599 BRA 1.3672 BC3 .2065 FSP -386

SGT 1689.1 SGR 430.3 SG3 144.7
 RRT .1509 RRF -.1665 RTF -.8759
 SGB 1743.1 R23 -.0257 R13 -.8762
 SG1 1690.4 SG2 425.1 TMA 2.35

ST 843.4 SR 323.5 SS 868.0
 CRT -.7374 CRS -.8459 CST .9835
 LSA 1260.5 MSA 222.2 SSA 16.6
 EL1 916.9 EL2 210.5 ALF 164.02

LAUNCH DATE MAY 19 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 261.502

RL 151.34 LAL -1.00 LOL 237.35 VL 25.334 GAL 5.88 AZL 93.54 MCA 106.56 SMA 119.34 ECC .28569 INC 3.5380 V1 29.440
 RP 108.83 LAP -3.39 LOP 343.94 VP 36.428 GAP -15.83 AZP 88.99 TAL 164.87 TAP 271.43 RCA 85.25 APO 153.44 V2 34.822
 RC 43.312 GL -17.83 GP 4.12 ZAL 63.82 ZAP 4.31 ETS 287.35 ZAE 161.17 ETE 58.28 ZAC 101.26 ETC 15.62 CLP -1.27

PLANETOCENTRIC CONIC

C3 25.806 VHL 5.080 DLA -14.34 RAL 168.18 RAD 6568.0 VEL 12.132 PTH 2.17 VMP 9.837 OPA 13.74 RAP 166.96 ECC 1.4247
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 42 48 1814.06 -8.27 17.53 32.15 117.18 9 13 2 1214.1 -4.56 10.81
 90.00 16 54 56 5382.58 27.90 246.31 39.20 84.96 18 24 38 4782.6 26.91 237.78
 100.00 9 56 30 1576.29 -9.49 359.39 31.49 118.48 10 22 46 976.3 -5.62 352.75
 100.00 18 23 55 5095.58 29.28 225.04 39.05 83.69 19 48 51 4495.6 28.10 216.44
 110.00 10 47 37 1416.17 -12.66 345.36 29.61 122.02 11 11 13 816.2 -8.34 338.93
 110.00 19 49 17 4828.46 32.91 204.16 38.45 80.20 21 9 46 4228.5 31.21 195.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7131 TRA-1.3245 TC3 .1504 BAU .0861
 ROE -.2661 RRA -.1870 RC3 .1993 FAU .02717
 FDE -.9048 FRA 1.0458 FC3 -.9115 BSP 5490
 BDE .7611 BRA 1.3376 BC3 .2497 FSP -428

SGT 1745.7 SGR 422.5 SG3 158.9
 RRT .1699 RRF -.1883 RTF -.8845
 SGB 1796.1 R23 -.0294 R13 -.8849
 SG1 1747.3 SG2 416.0 TMA 2.50

ST 927.8 SR 307.2 SS 921.6
 CRT -.7407 CRS -.8474 CST .9839
 LSA 1325.7 MSA 216.1 SSA 16.6
 EL1 956.6 EL2 200.2 ALF 165.57

LAUNCH DATE MAY 19 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 268.223

RL 151.34 LAL -1.00 LOL 237.35 VL 25.506 GAL 5.55 AZL 93.61 MCA 109.73 SMA 120.29 ECC .27458 INC 3.6058 V1 29.440
 RP 108.80 LAP -3.39 LOP 347.11 VP 36.555 GAP -14.99 AZP 88.78 TAL 164.91 TAP 274.64 RCA 87.26 APO 153.32 V2 34.830
 RC 43.796 GL -19.08 GP 4.44 ZAL 64.32 ZAP 5.31 ETS 303.45 ZAE 159.48 ETE 52.31 ZAC 99.71 ETC 15.40 CLP -2.92

PLANETOCENTRIC CONIC

C3 23.856 VML 4.884 DLA -15.35 RAL 167.36 RAD 6568.0 VEL 12.051 PTH 2.15 VMP 9.354 DPA 13.45 RAP 168.52 ECC 1.3926
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 48 46 1758.60 -6.53 14.38 30.26 117.61 9 18 4 1158.6 -2.78 7.70
 90.00 16 42 24 5399.38 28.00 247.53 37.35 85.57 18 12 23 4799.4 27.09 238.98
 100.00 10 1 43 1523.22 -7.76 356.41 29.59 118.96 10 27 6 923.2 -3.84 349.82
 100.00 18 12 8 5109.99 29.38 226.10 37.21 84.24 19 37 18 4510.0 28.27 217.47
 110.00 10 51 16 1367.99 -10.91 342.73 27.69 122.60 11 14 4 768.0 -6.54 336.37
 110.00 19 39 4 4837.98 33.02 204.88 36.64 80.62 20 59 42 4238.0 31.37 196.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7274 TRA-1.2928 TC3 .2100 BAU .0967 SGT 1801.0 SGR 414.3 SG3 174.7 ST 975.1 SR 289.0 SS 980.4
 RDE -.2400 RRA -.1779 RC3 .2185 FAU .02894 RRT .1930 RRF -.2147 RTF -.8929 CRT -.7436 CRS -.8478 CST .9846
 FDE -.9779 FRA 1.0775 FC3-1.0502 BSP 5743 SGB 1848.0 R23 -.0338 R13 -.8933 LSA 1396.9 MSA 209.3 SSA 16.5
 BDE .7659 BRA 1.3050 BC3 .3031 FSP -.477 SGI 1802.8 SG2 406.1 TMA 2.68 ELI 999.4 EL2 188.5 ALF 167.11

LAUNCH DATE MAY 19 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 274.945

RL 151.34 LAL -1.00 LOL 237.35 VL 25.664 GAL 5.25 AZL 93.68 MCA 112.90 SMA 121.18 ECC .26420 INC 3.6763 V1 29.440
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.674 GAP -14.17 AZP 88.57 TAL 164.99 TAP 277.89 RCA 89.16 APO 153.20 V2 34.838
 RC 44.440 GL -20.38 GP 4.81 ZAL 64.91 ZAP 6.66 ETS 313.90 ZAE 157.72 ETE 47.51 ZAC 98.19 ETC 15.19 CLP -4.61

PLANETOCENTRIC CONIC

C3 22.139 VML 4.705 DLA -16.39 RAL 166.45 RAD 6567.9 VEL 11.980 PTH 2.14 VMP 8.889 DPA 13.20 RAP 170.06 ECC 1.3644
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 54 52 1702.73 -4.76 11.23 28.41 117.95 9 23 15 1102.7 -1.98 4.58
 90.00 16 29 1 5418.87 28.09 248.94 35.50 86.27 17 59 20 4818.9 27.28 240.37
 100.00 10 7 0 1469.98 -5.99 353.44 27.73 119.34 10 31 30 870.0 -2.04 346.89
 100.00 17 59 34 5126.85 29.49 227.34 35.37 84.89 19 25 1 4526.9 28.47 218.69
 110.00 10 54 52 1320.05 -9.14 340.15 25.81 123.08 11 16 52 720.1 -4.72 333.85
 110.00 19 28 12 4849.54 33.15 205.76 34.85 81.12 20 49 2 4249.5 31.57 196.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7411 TRA-1.2616 TC3 .2712 BAU .1070 SGT 1855.8 SGR 406.2 SG3 192.2 ST 1022.4 SR 268.6 SS 1043.6
 RDE -.2140 RRA -.1699 RC3 .2391 FAU .03087 RRT .2222 RRF -.2474 RTF -.8998 CRT -.7431 CRS -.8460 CST .9851
 FDE -1.0599 FRA 1.1118 FC3-1.2073 BSP 5934 SGB 1899.7 R23 -.0389 R13 -.9003 LSA 1471.4 MSA 203.1 SSA 16.4
 BDE .7714 BRA 1.2730 BC3 .3615 FSP -.529 SGI 1858.1 SG2 395.6 TMA 2.92 ELI 1042.3 EL2 176.3 ALF 168.63

LAUNCH DATE MAY 19 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 281.666

RL 151.34 LAL -1.00 LOL 237.35 VL 25.811 GAL 4.96 AZL 93.75 MCA 116.07 SMA 122.02 ECC .25453 INC 3.7503 V1 29.440
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.784 GAP -13.39 AZP 88.35 TAL 165.11 TAP 281.18 RCA 90.96 APO 153.08 V2 34.846
 RC 45.237 GL -21.73 GP 5.23 ZAL 65.58 ZAP 8.23 ETS 320.66 ZAE 155.96 ETE 43.69 ZAC 96.72 ETC 14.98 CLP -6.36

PLANETOCENTRIC CONIC

C3 20.634 VML 4.543 DLA -17.44 RAL 165.45 RAD 6567.8 VEL 11.917 PTH 2.12 VMP 8.442 DPA 13.03 RAP 171.57 ECC 1.3396
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 1 12 1646.36 -2.95 8.07 26.60 118.18 9 28 38 1046.4 .84 1.44
 90.00 16 14 46 5441.35 28.18 250.58 33.66 87.09 17 45 27 4841.4 27.48 241.99
 100.00 10 12 25 1416.53 -4.20 350.49 25.91 119.62 10 36 2 816.5 -1.22 343.96
 100.00 17 46 13 5146.41 29.60 228.78 33.55 85.64 19 12 0 4546.4 28.68 220.10
 110.00 10 58 26 1272.38 -7.36 337.60 23.96 123.48 11 19 38 672.4 -2.91 331.35
 110.00 19 16 42 4863.33 33.29 206.81 33.07 81.73 20 37 45 4263.3 31.79 197.90

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7563 TRA-1.2293 TC3 .3374 BAU .1177 SGT 1909.3 SGR 398.5 SG3 211.7 ST 1071.4 SR 245.8 SS 1112.1
 RDE -.1879 RRA -.1630 RC3 .2610 FAU .03302 RRT .2585 RRF -.2876 RTF -.9064 CRT -.7388 CRS -.8407 CST .9856
 FDE -1.1532 FRA 1.1486 FC3-1.3855 BSP 6126 SGB 1950.4 R23 -.0449 R13 -.9070 LSA 1551.2 MSA 196.9 SSA 16.2
 BDE .7793 BRA 1.2400 BC3 .4266 FSP -.589 SGI 1912.2 SG2 384.4 TMA 3.22 ELI 1087.0 EL2 163.3 ALF 170.16

LAUNCH DATE MAY 19 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 288.384

RL 151.34 LAL -1.00 LOL 237.35 VL 25.946 GAL 4.68 AZL 93.83 MCA 119.24 SMA 122.81 ECC .24553 INC 3.8285 V1 29.440
 RP 108.72 LAP -3.34 LOP 356.64 VP 36.888 GAP -12.62 AZP 88.13 TAL 165.26 TAP 284.50 RCA 92.66 APO 152.96 V2 34.856
 RC 46.178 GL -23.13 GP 5.71 ZAL 66.31 ZAP 9.95 ETS 325.14 ZAE 154.25 ETE 40.68 ZAC 95.28 ETC 14.78 CLP -8.16

PLANETOCENTRIC CONIC

C3 19.323 VML 4.396 DLA -18.51 RAL 164.38 RAD 6567.8 VEL 11.862 PTH 2.10 VMP 8.012 DPA 12.92 RAP 173.05 ECC 1.3180
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 7 52 1589.29 -1.11 4.89 24.85 118.30 9 34 22 989.3 2.68 358.26
 90.00 15 59 32 5467.17 28.25 252.47 31.83 88.03 17 30 39 4867.2 27.68 243.85
 100.00 10 18 4 1362.76 -2.39 347.53 24.14 119.81 10 40 47 762.8 1.60 341.01
 100.00 17 32 1 5168.94 29.71 230.45 31.75 86.51 18 58 10 4568.9 28.91 221.74
 110.00 11 2 3 1224.96 -5.57 335.10 22.16 123.78 11 22 28 625.0 -1.10 328.87
 110.00 19 4 31 4879.50 33.44 208.05 31.33 82.45 20 25 51 4279.5 32.03 199.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7726 TRA-1.1953 TC3 .4070 BAU .1283 SGT 1960.0 SGR 391.9 SG3 233.6 ST 1121.3 SR 220.3 SS 1186.6
 RDE -.1614 RRA -.1573 RC3 .2846 FAU .03543 RRT .3031 RRF -.3364 RTF -.9124 CRT -.7281 CRS -.8301 CST .9862
 FDE -1.2599 FRA 1.1873 FC3-1.5874 BSP 6299 SGB 1998.8 R23 -.0519 R13 -.9131 LSA 1636.2 MSA 190.9 SSA 16.0
 BDE .7893 BRA 1.2056 BC3 .4966 FSP -.655 SGI 1963.7 SG2 372.8 TMA 3.60 ELI 1132.9 EL2 149.5 ALF 171.71

LAUNCH DATE MAY 19 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 295.095

RL 151.34 LAL -.00 LOL 237.35 VL 26.070 GAL 4.43 AZL 93.91 MCA 122.41 SMA 123.55 ECC .23720 INC 3.9117 V1 29.440
 RP 108.69 LAP -3.30 LOP 359.82 VP 36.984 GAP -11.89 A7P 87.90 TAL 165.44 TAP 287.86 RCA 94.24 APO 152.85 V2 34.865
 RC 47.255 GL -24.57 GP 6.26 ZAL 67.11 ZAP 11.82 ETS 328.19 ZAE 152.63 ETE 38.35 ZAC 93.89 ETC 14.59 CLP -10.04

PLANETOCENTRIC CONIC

C3 18.189 VML 4.265 OLA -19.59 RAL 163.23 RAD 6567.7 VEL 11.814 PTH 2.09 VHP 7.600 DPA 12.90 RAP 174.48 ECC 1.2994
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 15 1 1531.26 .76 1.65 23.16 118.31 9 40 33 931.3 4.54 355.01
 90.00 15 43 14 5496.77 28.30 254.63 30.03 89.12 17 14 51 4896.8 27.88 245.99
 100.00 10 24 3 1308.51 -.55 344.55 22.44 119.89 10 45 52 708.5 3.43 338.02
 100.00 17 16 53 5194.76 29.80 232.36 29.98 87.51 18 43 28 4594.8 29.14 223.62
 110.00 11 5 46 1177.77 -3.78 332.62 20.42 124.00 11 25 24 577.8 .71 326.41
 110.00 18 51 40 4898.25 33.60 209.49 29.62 83.29 20 13 18 4298.3 32.30 200.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7907 TRA-1.1599 TC3 .4795 BAU .1388 SGT 2007.9 SGR 387.2 SG3 258.0 ST 1172.5 SR 191.8 SS 1267.8
 RDE -.1341 RRA -.1530 RC3 .3099 FAU .03812 RRT .3571 RRF -.3951 RTF -.9181 CRT -.7059 CRS -.8095 CST .9869
 FDE-1.3826 FRA 1.2285 FC3-1.8145 BSP 6471 SGB 2044.9 R23 -.0603 R13 -.9189 LSA 1727.5 MSA 185.2 SSA 15.6
 BDE .8020 BRA 1.1700 BC3 .5710 FSP -729 SG1 2012.8 SG2 360.8 TMA 4.07 EL1 1180.4 EL2 135.0 ALF 173.32

LAUNCH DATE MAY 19 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 301.800

RL 151.34 LAL -.00 LOL 237.35 VL 26.184 GAL 4.18 AZL 94.00 MCA 125.59 SMA 124.24 ECC .22949 INC 4.0010 V1 29.440
 RP 108.66 LAP -3.25 LOP 3.01 VP 37.074 GAP -11.17 A7P 87.67 TAL 165.65 TAP 291.24 RCA 95.73 APO 152.75 V2 34.875
 RC 48.458 GL -26.05 GP 6.89 ZAL 67.95 ZAP 13.81 ETS 330.28 ZAE 151.13 ETE 36.62 ZAC 92.56 ETC 14.39 CLP -12.00

PLANETOCENTRIC CONIC

C3 17.219 VML 4.150 OLA -20.70 RAL 162.02 RAD 6567.7 VEL 11.773 PTH 2.08 VHP 7.204 DPA 12.98 RAP 175.88 ECC 1.2834
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 22 51 1471.82 2.68 358.33 21.56 118.20 9 47 23 871.8 6.43 351.66
 90.00 15 25 44 5530.72 28.31 257.12 28.27 90.36 16 57 54 4930.7 28.07 248.46
 100.00 10 30 31 1253.48 1.32 341.53 20.81 119.87 10 51 24 653.5 5.28 334.99
 100.00 17 0 46 5224.29 29.87 234.56 28.26 88.66 18 27 50 4624.3 29.36 225.79
 110.00 11 9 41 1130.72 -1.99 330.16 18.74 124.13 11 28 31 530.7 2.51 323.96
 110.00 18 38 5 4919.81 33.76 211.15 27.97 84.26 20 0 5 4319.8 32.59 202.11

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8098 TRA-1.1231 TC3 .5521 BAU .1490 SGT 2051.4 SGR 385.7 SG3 285.2 ST 1223.9 SR 160.2 SS 1355.7
 RDE -.1054 RRA -.1502 RC3 .3375 FAU .04112 RRT .4211 RRF -.4641 RTF -.9232 CRT -.6605 CRS -.7684 CST .9877
 FDE-1.5233 FRA 1.2722 FC3-2.0672 BSP 6630 SGB 2087.3 R23 -.0703 R13 -.9243 LSA 1824.5 MSA 179.9 SSA 15.2
 BDE .8167 BRA 1.1331 BC3 .6471 FSP -813 SG1 2058.0 SG2 348.7 TMA 4.66 EL1 1228.5 EL2 119.8 ALF 175.01

LAUNCH DATE MAY 19 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 308.494

RL 151.34 LAL -.00 LOL 237.35 VL 26.289 GAL 3.96 AZL 94.10 MCA 128.77 SMA 124.88 ECC .22239 INC 4.0977 V1 29.440
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.158 GAP -10.48 A7P 87.43 TAL 165.88 TAP 294.65 RCA 97.11 APO 152.65 V2 34.886
 RC 49.776 GL -27.57 GP 7.62 ZAL 68.84 ZAP 15.94 ETS 331.72 ZAE 149.77 ETE 35.41 ZAC 91.29 ETC 14.19 CLP -14.04

PLANETOCENTRIC CONIC

C3 16.399 VML 4.050 OLA -21.82 RAL 160.75 RAD 6567.7 VEL 11.738 PTH 2.07 VHP 6.826 DPA 13.19 RAP 177.24 ECC 1.2699
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 31 38 1410.28 4.65 354.88 20.06 117.96 9 55 9 810.3 8.35 348.17
 90.00 15 6 48 5569.86 28.26 259.98 26.55 91.80 16 39 38 4969.9 28.21 251.31
 100.00 10 37 38 1197.26 3.22 338.44 19.27 119.73 10 57 36 597.3 7.16 331.86
 100.00 16 43 29 5258.10 29.89 237.07 26.58 89.99 18 11 7 4658.1 29.57 228.28
 110.00 11 13 53 1083.66 -.19 327.71 17.14 124.18 11 31 56 483.7 4.30 321.49
 110.00 18 23 44 4944.46 33.91 213.06 26.39 85.38 19 46 8 4344.5 32.90 203.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8297 TRA-1.0851 TC3 .6227 BAU .1585 SGT 2089.8 SGR 389.2 SG3 315.5 ST 1274.5 SR 125.9 SS 1450.9
 RDE -.0746 RRA -.1491 RC3 .3678 FAU .04445 RRT .4944 RRF -.5426 RTF -.9278 CRT -.5601 CRS -.6777 CST .9884
 FDE-1.6853 FRA 1.3186 FC3-2.3466 BSP 6770 SGB 2125.7 R23 -.0824 R13 -.9292 LSA 1927.3 MSA 175.1 SSA 14.6
 BDE .8330 BRA 1.0953 BC3 .7232 FSP -907 SG1 2098.9 SG2 336.9 TMA 5.40 EL1 1276.5 EL2 104.2 ALF 176.81

LAUNCH DATE MAY 19 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 315.178

RL 151.34 LAL -.00 LOL 237.35 VL 26.384 GAL 3.75 AZL 94.20 MCA 131.95 SMA 125.47 ECC .21586 INC 4.2036 V1 29.440
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.236 GAP -9.81 A7P 87.19 TAL 166.13 TAP 298.08 RCA 98.39 APO 152.56 V2 34.897
 RC 51.201 GL -29.13 GP 8.48 ZAL 69.77 ZAP 18.22 ETS 332.68 ZAE 148.55 ETE 34.71 ZAC 90.08 ETC 13.99 CLP -16.19

PLANETOCENTRIC CONIC

C3 15.722 VML 3.965 OLA -22.97 RAL 159.42 RAD 6567.6 VEL 11.709 PTH 2.06 VHP 6.466 DPA 13.55 RAP 178.57 ECC 1.2587
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 41 47 1345.53 6.70 351.24 18.68 117.58 10 4 12 745.5 10.35 344.45
 90.00 14 46 5 5615.41 28.12 263.30 24.87 93.46 16 19 41 5015.4 28.31 254.64
 100.00 10 45 43 1139.17 5.18 335.24 17.85 119.48 11 4 42 539.2 9.07 328.61
 100.00 16 24 50 5297.00 29.86 239.96 24.96 91.51 17 53 7 4697.0 29.75 231.16
 110.00 11 18 30 1036.35 1.62 325.24 15.64 124.15 11 35 47 436.4 6.09 319.00
 110.00 18 8 32 4972.58 34.04 215.24 24.88 86.67 19 31 25 4372.6 33.20 206.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8529 TRA-1.0436 TC3 .6952 BAU .1688 SGT 2122.5 SGR 400.2 SG3 349.5 ST 1326.9 SR 92.3 SS 1555.5
 RDE -.0407 RRA -.1498 RC3 .4017 FAU .04824 RRT .5747 RRF -.6273 RTF -.9327 CRT -.3071 CRS -.4404 CST .9893
 FDE-1.8743 FRA 1.3656 FC3-2.6567 BSP 6948 SGB 2159.9 R23 -.0958 R13 -.9345 LSA 2039.5 MSA 170.0 SSA 14.0
 BDE .8539 BRA 1.0542 BC3 .8029 FSP -1015 SG1 2135.2 SG2 325.6 TMA 6.33 EL1 1327.2 EL2 87.8 ALF 178.77

LAUNCH DATE MAY 19 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 321.849

RL 151.34 LAL -1.00 LOL 237.35 VL 26.471 GAL 3.55 AZL 94.32 MCA 135.13 SMA 126.02 ECC .20988 INC 4.3207 V1 29.440
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.309 GAP -9.16 AZP 86.93 TAL 166.39 TAP 301.52 RCA 99.57 APO 152.47 V2 34.908
 RC 52.722 GL -30.72 GP 9.48 ZAL 70.72 ZAP 20.67 ETS 333.26 ZAE 147.48 ETE 34.49 ZAC 88.95 ETC 13.78 CLP -18.45

PLANETOCENTRIC CONIC

C3 15.180 VML 3.896 CLA -24.14 RAL 158.05 RAD 6567.6 VEL 11.686 PTH 2.06 VMP 6.124 CPA 14.09 RAP 179.85 ECC 1.2498
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 53 56 1275.69 8.88 347.26 17.47 117.00 10 15 12 675.7 12.44 340.39
 90.00 14 23 0 5669.44 27.84 267.23 23.24 95.41 15 57 29 5069.4 28.30 258.59
 100.00 10 55 8 1078.16 7.21 331.85 16.56 119.09 11 13 6 478.2 11.03 325.15
 100.00 16 4 29 5342.20 29.73 243.32 23.40 93.27 17 33 32 4742.2 29.87 234.51
 110.00 11 23 44 988.42 3.45 322.73 14.25 124.03 11 40 13 388.4 7.90 316.46
 110.00 17 52 22 5004.70 34.14 217.75 23.46 88.15 19 15 47 4404.7 33.51 208.56

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8748 TRA-1.0031 TC3 .7548 BAU .1773 SGT 2148.1 SGR 421.8 SG3 387.2 ST 1375.0 SR 74.6 SS 1667.8
 RDE -.0025 RRA -.1527 RC3 .4397 FAU .05236 RRT .6562 RRF -.7129 RTF -.9365 CRT .3055 CRS .1708 CST .9900
 FDE -2.0917 FRA 1.4165 FC3-2.9861 BSP 7058 SGB 2189.1 R23 -.1124 R13 -.9388 LSA 2156.3 MSA 166.3 SSA 13.2
 BDE .8748 BRA 1.0147 BC3 .8735 FSP -1134 SGI 2166.2 SG2 315.6 TMA 7.50 ELI 1375.2 EL2 71.0 ALF .95

LAUNCH DATE MAY 19 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 328.508

RL 151.34 LAL -1.00 LOL 237.35 VL 26.550 GAL 3.37 AZL 94.45 MCA 138.31 SMA 126.53 ECC .20443 INC 4.4517 V1 29.440
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.376 GAP -8.53 AZP 86.67 TAL 166.66 TAP 304.98 RCA 100.66 APO 152.39 V2 34.920
 RC 54.330 GL -32.36 GP 10.67 ZAL 71.68 ZAP 23.30 ETS 333.55 ZAE 146.53 ETE 34.78 ZAC 87.90 ETC 13.57 CLP -20.84

PLANETOCENTRIC CONIC

C3 14.770 VML 3.843 CLA -25.35 RAL 156.64 RAD 6567.6 VEL 11.669 PTH 2.05 VMP 5.800 CPA 14.84 RAP 181.10 ECC 1.2431
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 9 18 1197.16 11.28 342.74 16.46 116.15 10 29 16 597.2 14.70 335.73
 90.00 13 56 23 5735.73 27.32 272.01 21.62 97.75 15 31 58 5135.7 28.11 263.43
 100.00 11 6 32 1012.40 9.37 328.16 15.46 118.52 11 23 24 412.4 13.10 321.36
 100.00 15 41 50 5395.72 29.46 247.27 21.90 95.33 17 11 46 4795.7 29.88 238.49
 110.00 11 29 50 939.31 5.32 320.16 12.99 123.82 11 45 29 339.3 9.72 313.84
 110.00 17 35 2 5041.58 34.18 220.63 22.15 89.85 18 59 3 4441.6 33.78 211.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8964 TRA -.9616 TC3 .8032 BAU .1851 SGT 2164.1 SGR 457.9 SG3 428.8 ST 1418.8 SR 100.5 SS 1787.9
 RDE .0417 RRA -.1580 RC3 .4831 FAU .05686 RRT .7324 RRF -.7921 RTF -.9397 CRT .8450 CRS .7663 CST .9906
 FDE -2.3422 FRA 1.4690 FC3-3.3327 BSP 7143 SGB 2212.1 R23 -.1316 R13 -.9429 LSA 2278.8 MSA 163.3 SSA 12.4
 BDE .8974 BRA .9745 BC3 .9373 FSP -1266 SGI 2190.5 SG2 308.0 TMA 8.99 ELI 1421.3 EL2 53.7 ALF 3.43

LAUNCH DATE MAY 19 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 335.151

RL 151.34 LAL -1.00 LOL 237.35 VL 26.622 GAL 3.20 AZL 94.60 MCA 141.50 SMA 126.99 ECC .19947 INC 4.6002 V1 29.440
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.438 GAP -7.91 AZP 86.40 TAL 166.94 TAP 308.43 RCA 101.66 APO 152.32 V2 34.932
 RC 56.016 GL -34.06 GP 12.08 ZAL 72.65 ZAP 26.15 ETS 333.60 ZAE 145.68 ETE 35.61 ZAC 86.93 ETC 13.34 CLP -23.37

PLANETOCENTRIC CONIC

C3 14.493 VML 3.807 CLA -26.60 RAL 155.20 RAD 6567.6 VEL 11.657 PTH 2.05 VMP 5.498 CPA 15.85 RAP 182.32 ECC 1.2385
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 30 36 1101.52 14.08 337.11 15.78 114.82 10 48 58 501.5 17.31 329.93
 90.00 13 23 33 5822.95 26.37 278.21 19.96 100.72 15 0 36 5222.9 27.58 269.76
 100.00 11 21 4 938.54 11.74 323.96 14.59 117.69 11 36 42 338.5 15.35 317.03
 100.00 15 15 47 5461.16 28.95 252.07 20.44 97.81 16 46 48 4861.2 29.72 243.35
 110.00 11 37 7 888.13 7.25 317.45 11.90 123.50 11 51 55 288.1 11.60 311.07
 110.00 17 16 12 5084.33 34.14 223.97 20.95 91.83 18 40 57 4484.3 34.02 214.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9201 TRA -.9170 TC3 .8435 BAU .1934 SGT 2170.8 SGR 513.1 SG3 474.6 ST 1460.2 SR 165.3 SS 1918.3
 RDE .0943 RRA -.1660 RC3 .5335 FAU .06184 RRT .7980 RRF -.8588 RTF -.9430 CRT .9761 CRS .9408 CST .9913
 FDE -2.6340 FRA 1.5196 FC3-3.6941 BSP 7252 SGB 2230.6 R23 -.1513 R13 -.9473 LSA 2411.2 MSA 160.0 SSA 11.5
 BDE .9249 BRA .9319 BC3 .9980 FSP -1415 SGI 2209.8 SG2 303.8 TMA 10.89 ELI 1469.1 EL2 35.7 ALF 6.31

LAUNCH DATE MAY 19 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 341.779

RL 151.34 LAL -1.00 LOL 237.35 VL 26.687 GAL 3.05 AZL 94.77 MCA 144.68 SMA 127.41 ECC .19499 INC 4.7713 V1 29.440
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.496 GAP -7.32 AZP 86.10 TAL 167.21 TAP 311.89 RCA 102.57 APO 152.25 V2 34.945
 RC 57.772 GL -35.81 GP 13.78 ZAL 73.62 ZAP 29.25 ETS 333.43 ZAE 144.88 ETE 37.04 ZAC 86.05 ETC 13.10 CLP -26.06

PLANETOCENTRIC CONIC

C3 14.355 VML 3.789 CLA -27.91 RAL 153.72 RAD 6567.6 VEL 11.651 PTH 2.05 VMP 5.217 CPA 17.19 RAP 183.53 ECC 1.2362
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 8 50 953.71 18.10 328.12 15.76 112.15 11 24 43 353.7 20.95 320.61
 90.00 12 33 31 678.47 24.17 310.24 17.95 105.23 12 44 50 78.5 26.02 302.07
 100.00 11 41 14 848.95 14.51 318.75 14.07 116.42 11 55 23 248.9 17.95 311.64
 100.00 14 43 48 5546.51 28.00 258.23 18.94 100.92 16 16 15 4946.5 29.22 249.64
 110.00 11 46 9 833.50 9.29 314.54 11.02 123.05 12 0 2 233.5 13.58 308.06
 110.00 16 55 22 5134.72 33.96 227.89 19.86 94.14 18 20 57 4534.7 34.16 218.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9406 TRA -.8735 TC3 .8596 BAU .2003 SGT 2163.7 SGR 592.1 SG3 523.7 ST 1491.5 SR 256.7 SS 2055.2
 RDE .1584 RRA -.1774 RC3 .5916 FAU .06703 RRT .8482 RRF -.9096 RTF -.9451 CRT .9976 CRS .9823 CST .9918
 FDE -2.9669 FRA 1.5701 FC3-4.0425 BSP 7288 SGB 2243.3 R23 -.1730 R13 -.9512 LSA 2547.4 MSA 158.2 SSA 10.6
 BDE .9538 BRA .8913 BC3 1.0435 FSP -1573 SGI 2222.4 SG2 305.3 TMA 13.32 ELI 1513.4 EL2 17.7 ALF 9.74

LAUNCH DATE MAY 19 1967

FLIGHT TIME 134.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 348.392

RL 151.34 LAL -.00 LOL 237.35 VL 26.745 GAL 2.92 AZL 94.97 MCA 147.87 SMA 127.79 ECC .19095 INC 4.9716 V1 29.440
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.549 GAP -6.74 AZP 85.79 TAL 167.47 TAP 315.34 RCA 103.39 APO 152.19 V2 34.957
 RC 59.590 GL -37.64 GP 15.84 ZAL 74.58 ZAP 32.65 ETS 333.09 ZAE 144.06 ETE 39.13 ZAC 85.26 ETC 12.84 CLP -28.92

PLANETOCENTRIC CONIC

C3 14.370 VML 3.791 OLA -29.29 RAL 152.20 RAD 6567.6 VEL 11.651 PTH 2.05 VHP 4.962 DPA 18.92 RAP 184.75 ECC 1.2365
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.18 10 40 40 1024.64 22.10 334.95 15.81 109.73 10 57 44 424.6 24.58 327.08
 97.82 12 49 35 608.00 22.11 304.38 15.82 109.72 12 59 43 8.0 24.59 296.51
 100.00 12 16 4 715.47 18.39 310.74 14.23 113.99 12 28 0 115.5 21.48 303.30
 100.00 13 56 52 5680.45 25.91 267.64 17.14 105.45 15 31 32 5080.4 27.78 259.33
 110.00 11 57 48 772.97 11.52 311.27 10.42 122.41 12 10 41 173.0 15.71 304.67
 110.00 16 31 37 5195.71 33.56 232.61 18.88 96.91 17 58 12 4595.7 34.15 223.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .9605 TRA -.8286 TC3 .8554 BAU .2074 SGT 2142.5 SGR 700.8 SG3 575.6 ST 1514.4 SR 374.9 SS 2199.9
 ROE .2389 RRA -.1926 RC3 .6588 FAU .07240 RRT .8839 RRF -.9451 RTF -.9465 CRT .9995 CRS .9942 CST .9923
 FDE-3.3488 FRA 1.6140 FC3-4.3617 BSP 7316 SGB 2254.2 R23 -.1923 R13 -.9553 LSA 2692.4 MSA 156.8 SSA 9.6
 BOE .9897 BRA .8507 BC3 1.0797 FSP -1742 SG1 2232.1 SG2 314.6 THA 16.46 EL1 1560.1 EL2 11.8 ALF 13.90

LAUNCH DATE MAY 19 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 354.986

RL 151.34 LAL -.00 LOL 237.35 VL 26.797 GAL 2.79 AZL 95.21 MCA 151.07 SMA 128.14 ECC .18735 INC 5.2112 V1 29.440
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.598 GAP -6.18 AZP 85.44 TAL 167.71 TAP 318.78 RCA 104.13 APO 152.14 V2 34.970
 RC 61.464 GL -39.57 GP 18.36 ZAL 75.53 ZAP 36.39 ETS 332.59 ZAE 143.09 ETE 41.97 ZAC 84.56 ETC 12.57 CLP -31.98

PLANETOCENTRIC CONIC

C3 14.564 VML 3.816 OLA -30.77 RAL 150.63 RAD 6567.6 VEL 11.660 PTH 2.05 VHP 4.736 DPA 21.13 RAP 186.04 ECC 1.2397
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.42 9 58 15 1142.93 23.09 344.15 14.88 110.93 10 17 18 542.9 25.73 336.27
 102.58 13 19 29 5783.70 23.11 274.32 14.89 110.91 14 55 53 5183.7 25.74 266.44
 77.42 9 58 15 1142.93 23.09 344.15 14.88 110.93 10 17 18 542.9 25.73 336.27
 102.58 13 19 29 5783.70 23.11 274.32 14.89 110.91 14 55 53 5183.7 25.74 266.44
 110.00 12 13 48 701.74 14.09 307.34 10.21 121.47 12 25 30 101.7 18.15 300.59
 110.00 16 3 6 5272.89 32.77 238.49 17.94 100.30 17 30 59 4672.9 33.85 229.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .9808 TRA -.7813 TC3 .8315 BAU .2162 SGT 2106.0 SGR 846.8 SG3 628.7 ST 1528.6 SR 526.3 SS 2351.0
 ROE .3425 RRA -.2118 RC3 .7363 FAU .07776 RRT .9078 RRF -.9681 RTF -.9477 CRT .9981 CRS .9980 CST .9927
 FDE-3.7826 FRA 1.6430 FC3-4.6224 BSP 7388 SGB 2269.9 R23 -.2041 R13 -.9605 LSA 2848.9 MSA 155.4 SSA 8.6
 BOE 1.0389 BRA .8095 BC3 1.1106 FSP -1921 SG1 2245.3 SG2 333.1 THA 20.53 EL1 1616.4 EL2 30.7 ALF 18.97

LAUNCH DATE MAY 19 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 361.564

RL 151.34 LAL -.00 LOL 237.35 VL 26.844 GAL 2.69 AZL 95.50 MCA 154.26 SMA 128.44 ECC .18414 INC 5.5048 V1 29.440
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.643 GAP -5.63 AZP 85.04 TAL 167.94 TAP 322.20 RCA 104.79 APO 152.10 V2 34.983
 RC 63.388 GL -41.65 GP 21.48 ZAL 76.47 ZAP 40.54 ETS 331.95 ZAE 141.79 ETE 45.60 ZAC 83.91 ETC 12.27 CLP -35.25

PLANETOCENTRIC CONIC

C3 14.983 VML 3.871 OLA -32.39 RAL 149.00 RAD 6567.6 VEL 11.678 PTH 2.05 VHP 4.549 DPA 23.97 RAP 187.46 ECC 1.2466
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.57 9 25 8 1232.70 24.09 351.38 14.18 112.34 9 45 41 632.7 26.90 343.50
 106.43 13 39 32 5706.59 24.10 268.92 14.19 112.33 15 14 39 5106.6 26.91 261.03
 73.57 9 25 8 1232.70 24.09 351.38 14.18 112.34 9 45 41 632.7 26.90 343.50
 106.43 13 39 32 5706.59 24.10 268.92 14.19 112.33 15 14 39 5106.6 26.91 261.03
 110.00 12 38 31 607.25 17.37 301.99 10.66 119.91 12 48 38 7.2 21.22 294.98
 110.00 15 25 20 5380.04 31.19 246.44 16.87 104.76 16 55 0 4780.0 32.90 237.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .9977 TRA -.7344 TC3 .7754 BAU .2263 SGT 2049.0 SGR 1037.9 SG3 678.5 ST 1526.5 SR 719.6 SS 2500.8
 ROE .4787 RRA -.2358 RC3 .8214 FAU .08233 RRT .9217 RRF -.9820 RTF -.9474 CRT .9965 CRS .9993 CST .9929
 FDE-4.2582 FRA 1.6313 FC3-4.7570 BSP 7441 SGB 2296.9 R23 -.2066 R13 -.9662 LSA 3012.9 MSA 154.9 SSA 7.6
 BOE 1.1066 BRA .7713 BC3 1.1296 FSP -2087 SG1 2267.9 SG2 363.7 THA 25.74 EL1 1686.7 EL2 54.5 ALF 25.19

LAUNCH DATE MAY 19 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 368.123

RL 151.34 LAL -.00 LOL 237.35 VL 26.885 GAL 2.59 AZL 95.88 MCA 157.45 SMA 128.72 ECC .18132 INC 5.8755 V1 29.440
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.685 GAP -5.09 AZP 84.57 TAL 168.15 TAP 325.60 RCA 105.38 APO 152.06 V2 34.996
 RC 65.357 GL -43.92 GP 25.38 ZAL 77.41 ZAP 45.19 ETS 331.22 ZAE 139.91 ETE 50.02 ZAC 83.31 ETC 11.95 CLP -38.73

PLANETOCENTRIC CONIC

C3 15.712 VML 3.964 OLA -34.19 RAL 147.25 RAD 6567.6 VEL 11.709 PTH 2.06 VHP 4.411 DPA 27.56 RAP 189.16 ECC 1.2586
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.98 8 55 37 1312.82 25.05 358.02 13.76 114.07 9 17 30 712.8 28.08 350.16
 110.02 13 55 7 5647.84 25.07 264.83 13.76 114.06 15 29 15 5047.8 28.09 256.97
 69.98 8 55 37 1312.82 25.05 358.02 13.76 114.07 9 17 30 712.8 28.08 350.16
 110.02 13 55 7 5647.84 25.07 264.83 13.76 114.06 15 29 15 5047.8 28.09 256.97
 69.98 8 55 37 1312.82 25.05 358.02 13.76 114.07 9 17 30 712.8 28.08 350.16
 110.02 13 55 7 5647.84 25.07 264.83 13.76 114.06 15 29 15 5047.8 28.09 256.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.0154 TRA -.6860 TC3 .6962 BAU .2410 SGT 1973.8 SGR 1286.6 SG3 720.1 ST 1511.2 SR 969.2 SS 2645.5
 ROE .6635 RRA -.2640 RC3 .9119 FAU .08562 RRT .9292 RRF -.9901 RTF -.9463 CRT .9932 CRS .9998 CST .9931
 FDE-4.7662 FRA 1.6188 FC3-4.7189 BSP 7617 SGB 2356.1 R23 -.1944 R13 -.9735 LSA 3193.4 MSA 154.7 SSA 6.6
 BOE 1.2129 BRA .7351 BC3 1.1473 FSP -2235 SG1 2321.1 SG2 404.3 THA 32.30 EL1 1793.5 EL2 79.6 ALF 32.62

LAUNCH DATE MAY 19 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 374.662

RL 151.34 LAL -.00 LOL 237.35 VL 26.921 GAL 2.51 AZL 96.36 MCA 160.65 SMA 128.96 ECC .17885 INC 6.3618 V1 29.440
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.723 GAP -4.57 AZP 83.99 TAL 168.32 TAP 328.97 RCA 105.90 APO 152.02 V2 35.009
 RC 67.365 GL -46.46 GP 30.30 ZAL 78.38 ZAP 50.41 ETS 330.44 ZAE 137.08 ETE 55.08 ZAC 82.67 ETC 11.57 CLP -42.42

PLANETOCENTRIC CONIC

C3 16.903 VML 4.111 OLA -36.23 RAL 145.33 RAD 6567.7 VEL 11.760 PTH 2.08 VMP 4.344 DPA 32.11 RAP 191.37 ECC 1.2782
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.38 8 27 25 1391.28 25.95 4.70 13.69 116.23 8 50 36 791.3 29.25 356.89
 113.62 14 7 59 5602.74 25.97 261.73 13.70 116.21 15 41 22 5002.7 29.26 253.92
 66.38 8 27 25 1391.28 25.95 4.70 13.69 116.23 8 50 36 791.3 29.25 356.89
 113.62 14 7 59 5602.74 25.97 261.73 13.70 116.21 15 41 22 5002.7 29.26 253.92
 66.38 8 27 25 1391.28 25.95 4.70 13.69 116.23 8 50 36 791.3 29.25 356.89
 113.62 14 7 59 5602.74 25.97 261.73 13.70 116.21 15 41 22 5002.7 29.26 253.92

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0352 TRA -.6368 TC3 .5919 BAU .2618 SGT 1878.4 SGR 1604.7 SG3 742.9 ST 1480.0 SR 1291.9 SS 2769.5
 RDE .9204 RRA -.2946 RC3 .9960 FAU .08622 RRT .9319 RRF -.9946 RTF -.9440 CRT .9943 CRS .9999 CST .9931
 FDE -5.2637 FRA 1.5238 FC3 -4.4160 BSP 7972 SGB 2470.5 R23 -.1670 R13 -.9816 LSA 3392.0 MSA 154.6 SSA 5.6
 BDE 1.3852 BRA .7016 BC3 1.1586 FSP -2326 SG1 2429.2 SG2 450.1 THA 40.18 EL1 1961.8 EL2 103.9 ALF 41.10

LAUNCH DATE MAY 19 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 381.182

RL 151.34 LAL -.00 LOL 237.35 VL 26.952 GAL 2.45 AZL 97.03 MCA 163.85 SMA 129.17 ECC .17673 INC 7.0325 V1 29.440
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.757 GAP -4.06 AZP 83.24 TAL 168.46 TAP 332.31 RCA 106.34 APO 152.00 V2 35.023
 RC 69.409 GL -49.38 GP 36.55 ZAL 79.40 ZAP 56.28 ETS 329.69 ZAE 132.85 ETE 60.47 ZAC 81.92 ETC 11.10 CLP -46.29

PLANETOCENTRIC CONIC

C3 18.868 VML 4.344 OLA -38.60 RAL 143.12 RAD 6567.8 VEL 11.843 PTH 2.10 VMP 4.390 DPA 37.81 RAP 194.55 ECC 1.3105
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.59 7 59 9 1473.77 26.68 11.84 14.10 119.00 8 23 43 873.8 30.32 14.15
 117.41 14 18 37 5571.43 26.69 259.60 14.11 118.99 15 51 29 4971.4 30.33 251.91
 62.59 7 59 9 1473.77 26.68 11.84 14.10 119.00 8 23 43 873.8 30.32 4.15
 117.41 14 18 37 5571.43 26.69 259.60 14.11 118.99 15 51 29 4971.4 30.33 251.91
 62.59 7 59 9 1473.77 26.68 11.84 14.10 119.00 8 23 43 873.8 30.32 4.15
 117.41 14 18 37 5571.43 26.69 259.60 14.11 118.99 15 51 29 4971.4 30.33 251.91

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0622 TRA -.5905 TC3 .4639 BAU .2896 SGT 1766.0 SGR 2003.9 SG3 731.8 ST 1432.6 SR 1706.6 SS 2847.5
 RDE 1.2877 RRA -.3235 RC3 1.0503 FAU .08211 RRT .9301 RRF -.9970 RTF -.9395 CRT .9935 CRS 1.0000 CST .9929
 FDE -5.6670 FRA 1.3435 FC3 -3.7675 BSP 8575 SGB 2671.0 R23 -.1294 R13 -.9891 LSA 3612.3 MSA 155.5 SSA 4.7
 BDE 1.6692 BRA .6733 BC3 1.1482 FSP -2305 SG1 2624.7 SG2 495.2 THA 48.88 EL1 2224.7 EL2 125.4 ALF 50.02

LAUNCH DATE MAY 19 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 387.678

RL 151.34 LAL -.00 LOL 237.35 VL 26.979 GAL 2.40 AZL 98.02 MCA 167.04 SMA 129.35 ECC .17492 INC 8.0244 V1 29.440
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.789 GAP -3.57 AZP 82.18 TAL 168.56 TAP 335.61 RCA 106.73 APO 151.98 V2 35.036
 RC 71.485 GL -52.82 GP 44.51 ZAL 80.54 ZAP 62.87 ETS 329.06 ZAE 126.67 ETE 65.68 ZAC 80.90 ETC 10.35 CLP -50.24

PLANETOCENTRIC CONIC

C3 22.305 VML 4.723 OLA -41.39 RAL 140.43 RAD 6567.9 VEL 11.987 PTH 2.14 VMP 4.634 DPA 44.83 RAP 199.65 ECC 1.3671
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.45 7 29 26 1567.42 26.96 19.96 15.16 122.68 7 55 33 967.4 31.06 12.52
 121.55 14 26 54 5557.81 26.98 258.64 15.17 122.67 15 59 32 4957.8 31.08 251.20
 58.45 7 29 26 1567.42 26.96 19.96 15.16 122.68 7 55 33 967.4 31.06 12.52
 121.55 14 26 54 5557.81 26.98 258.64 15.17 122.67 15 59 32 4957.8 31.08 251.20
 58.45 7 29 26 1567.42 26.96 19.96 15.16 122.68 7 55 33 967.4 31.06 12.52
 121.55 14 26 54 5557.81 26.98 258.64 15.17 122.67 15 59 32 4957.8 31.08 251.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1224 TRA -.5444 TC3 .3337 BAU .3253 SGT 1651.8 SGR 2491.8 SG3 669.1 ST 1387.0 SR 2232.0 SS 2845.4
 RDE 1.8348 RRA -.3342 RC3 1.0386 FAU .07154 RRT .9271 RRF -.9982 RTF -.9351 CRT .9929 CRS 1.0000 CST .9927
 FDE -5.8433 FRA 1.0411 FC3 -2.7768 BSP 9708 SGB 2989.6 R23 -.0880 R13 -.9947 LSA 3870.1 MSA 155.1 SSA 3.8
 BDE 2.1509 BRA .6388 BC3 1.0908 FSP -2138 SG1 2943.2 SG2 524.2 THA 57.26 EL1 2624.1 EL2 140.1 ALF 58.22

LAUNCH DATE MAY 19 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 394.154

RL 151.34 LAL -.00 LOL 237.35 VL 27.001 GAL 2.36 AZL 99.65 MCA 170.24 SMA 129.51 ECC .17343 INC 9.6530 V1 29.440
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.817 GAP -3.08 AZP 80.48 TAL 168.61 TAP 338.85 RCA 107.05 APO 151.97 V2 35.049
 RC 73.590 GL -56.97 GP 54.62 ZAL 81.90 ZAP 70.07 ETS 328.48 ZAE 117.99 ETE 69.90 ZAC 79.39 ETC 8.85 CLP -53.93

PLANETOCENTRIC CONIC

C3 29.116 VML 5.396 OLA -44.70 RAL 136.94 RAD 6568.2 VEL 12.267 PTH 2.21 VMP 5.274 DPA 52.97 RAP 208.80 ECC 1.4792
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 53.85 6 56 48 1683.57 26.16 29.66 17.16 127.63 7 24 51 1083.6 30.86 22.70
 126.15 14 31 43 5573.13 26.18 259.38 17.17 127.62 16 4 36 4973.1 30.87 252.41
 53.85 6 56 48 1683.57 26.16 29.66 17.16 127.63 7 24 51 1083.6 30.86 22.70
 126.15 14 31 43 5573.13 26.18 259.38 17.17 127.62 16 4 36 4973.1 30.87 252.41
 53.85 6 56 48 1683.57 26.16 29.66 17.16 127.63 7 24 51 1083.6 30.86 22.70
 126.15 14 31 43 5573.13 26.18 259.38 17.17 127.62 16 4 36 4973.1 30.87 252.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.2389 TRA -.5427 TC3 .1615 BAU .3351 SGT 1555.0 SGR 3003.6 SG3 530.7 ST 1337.8 SR 2822.6 SS 2665.7
 RDE 2.6544 RRA -.3312 RC3 .8457 FAU .04919 RRT .9138 RRF -.9988 RTF -.9231 CRT .9915 CRS 1.0000 CST .9917
 FDE -5.5013 FRA .7088 FC3 -1.4627 BSP 10226 SGB 3382.3 R23 -.0577 R13 -.9975 LSA 4103.2 MSA 163.5 SSA 3.1
 BDE 2.9293 BRA .6358 BC3 .8609 FSP -1595 SG1 3334.1 SG2 569.1 THA 63.86 EL1 3119.6 EL2 157.3 ALF 64.76

LAUNCH DATE MAY 19 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 400.588

RL 151.34 LAL -.00 LOL 237.35 VL 27.020 GAL 2.34 AZL 102.84 MCA 173.42 SMA 129.63 ECC .17223 INC12.8405 V1 29.440
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.843 GAP -2.61 AZP 77.24 TAL 168.62 TAP 342.03 RCA 107.31 APO 151.96 V2 35.062
 RC 75.721 GL -61.89 GP 67.32 ZAL 83.65 ZAP 77.51 ETS 326.45 ZAE 106.24 ETE 70.94 ZAC 77.04 ETC 4.40 CLP -55.88

PLANETOCENTRIC CONIC

C3 46.271 VHL 6.802 DLA -48.41 RAL 132.13 RAD 6568.7 VEL 12.947 PTH 2.36 VHP 6.899 DPA 60.92 RAP 227.19 ECC 1.7615
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 48.93 6 19 57 1845.02 22.58 41.53 20.47 134.04 6 50 42 1245.0 28.00 35.44
 131.07 14 30 11 5645.11 22.59 262.77 20.48 134.04 16 4 16 5045.1 28.01 256.68
 48.93 6 19 57 1845.02 22.58 41.53 20.47 134.04 6 50 42 1245.0 28.00 35.44
 131.07 14 30 11 5645.11 22.59 262.77 20.48 134.04 16 4 16 5045.1 28.01 256.68
 48.93 6 19 57 1845.02 22.58 41.53 20.47 134.04 6 50 42 1245.0 28.00 35.44
 131.07 14 30 11 5645.11 22.59 262.77 20.48 134.04 16 4 16 5045.1 28.01 256.68

DIFFERENTIAL CORRECTIONS

TOE 1.8054 TRA -.5472 TC3 .0776 BAU .3135
 ROE 4.0557 RRA -.1703 RC3 .5008 FAU .02404
 FDE -4.6247 FRA .2697 FC3 -.4499 BSP 11899
 BOE 4.4394 BRA .5731 BC3 .5068 FSP -1031

MID-COURSE EXECUTION ACCURACY

SGT 1675.1 SGR 3490.1 SG3 342.0
 RRT .9266 RRF -.9989 RTF -.9391
 SGB 3871.3 R23 -.0324 R13 -.9990
 SG1 3828.4 SG2 574.4 TMA 65.44

ORBIT DETERMINATION ACCURACY

ST 1534.9 SR 3416.8 SS 2322.8
 CRT .9931 CRS 1.0000 CST .9940
 LSA 4404.4 MSA 165.7 SSA 2.1
 EL1 3742.2 EL2 163.9 ALF 65.91

LAUNCH DATE MAY 19 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 406.939

RL 151.34 LAL -.00 LOL 237.35 VL 27.035 GAL 2.35 AZL 111.84 MCA 176.54 SMA 129.74 ECC .17135 INC21.8366 V1 29.440
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.865 GAP -2.17 AZP 68.20 TAL 168.52 TAP 345.06 RCA 107.51 APO 151.97 V2 35.075
 RC 77.874 GL -66.22 GP 83.26 ZAL 86.06 ZAP 84.34 ETS 276.80 ZAE 89.89 ETE 22.32 ZAC 72.92 ETC 309.62 CLP -32.78

PLANETOCENTRIC CONIC

C3 120.571 VHL 10.980 DLA -51.01 RAL 126.21 RAD 6570.3 VEL 15.553 PTH 2.77 VHP 12.191 DPA 63.16 RAP 263.38 ECC 2.9843
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 45.62 5 45 32 2091.25 12.27 54.72 26.06 139.92 6 20 23 1491.3 18.33 49.72
 134.38 14 17 22 5839.89 12.28 270.76 26.07 139.92 15 54 42 5239.9 18.35 265.76
 45.62 5 45 32 2091.25 12.27 54.72 26.06 139.92 6 20 23 1491.3 18.33 49.72
 134.38 14 17 22 5839.89 12.28 270.76 26.07 139.92 15 54 42 5239.9 18.35 265.76
 45.62 5 45 32 2091.25 12.27 54.72 26.06 139.92 6 20 23 1491.3 18.33 49.72
 134.38 14 17 22 5839.89 12.28 270.76 26.07 139.92 15 54 42 5239.9 18.35 265.76

DIFFERENTIAL CORRECTIONS

TOE 7.3492 TRA -.2648 TC3 -.0227 BAU .0418
 ROE 3.3885 RRA .6742 RC3 .0126 FAU -.00253
 FDE -3.4043 FRA -.0063 FC3 .0182 BSP 12738
 BOE 8.0928 BRA .7243 BC3 .0259 FSP -445

MID-COURSE EXECUTION ACCURACY

SGT 3841.4 SGR 1854.6 SG3 153.5
 RRT .9343 RRF -.9537 RTF -.9981
 SGB 4265.7 R23 .0065 R13 -.9999
 SG1 4223.1 SG2 601.5 TMA 24.82

ORBIT DETERMINATION ACCURACY

ST 3835.4 SR 1776.1 SS 1871.0
 CRT .9938 CRS .9956 CST .9998
 LSA 4618.7 MSA 179.9 SSA .9
 EL1 4222.8 EL2 179.9 ALF 24.76

LAUNCH DATE MAY 19 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 420.211

RL 151.34 LAL -.00 LOL 237.35 VL 27.055 GAL 2.29 AZL 73.90 MCA 183.34 SMA 129.88 ECC .16989 INC16.1019 V1 29.440
 RP 107.96 LAP -.93 LOP 60.56 VP 37.904 GAP -1.15 AZP 106.08 TAL 168.71 TAP 352.05 RCA 107.81 APO 151.94 V2 35.101
 RC 82.236 GL 64.73 GP -86.13 ZAL 84.97 ZAP 87.55 ETS 28.27 ZAE 98.05 ETE 286.30 ZAC 103.23 ETC 4.38 CLP -50.71

PLANETOCENTRIC CONIC

C3 68.751 VHL 8.292 DLA 62.87 RAL 208.94 RAD 6569.3 VEL 13.788 PTH 2.52 VHP 12.580 DPA -65.43 RAP 107.32 ECC 2.1315
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 31.20 22 34 26 4690.99 -21.47 232.21 107.32 29.34 23 52 37 4091.0 -28.38 228.18
 148.80 8 28 27 2993.33 -21.46 91.36 107.30 29.34 9 18 20 2393.3 -28.37 87.33
 31.20 22 34 26 4690.99 -21.47 232.21 107.32 29.34 23 52 37 4091.0 -28.38 228.18
 148.80 8 28 27 2993.33 -21.46 91.36 107.30 29.34 9 18 20 2393.3 -28.37 87.33
 31.20 22 34 26 4690.99 -21.47 232.21 107.32 29.34 23 52 37 4091.0 -28.38 228.18
 148.80 8 28 27 2993.33 -21.46 91.36 107.30 29.34 9 18 20 2393.3 -28.37 87.33

DIFFERENTIAL CORRECTIONS

TOE .8384 TRA -.3394 TC3 .0061 BAU .2392
 ROE .1718 RRA 2.9725 RC3 -.2602 FAU .00840
 FDE -.0678 FRA 1.0990 FC3 -.1058 BSP 13746
 BOE .8558 BRA 2.9918 BC3 .2603 FSP -449

MID-COURSE EXECUTION ACCURACY

SGT 774.7 SGR 4526.7 SG3 144.7
 RRT -.6422 RRF .9985 RTF -.6822
 SGB 4592.5 R23 .0389 R13 .9992
 SG1 4554.4 SG2 590.2 TMA 96.38

ORBIT DETERMINATION ACCURACY

ST 599.5 SR 1356.6 SS 545.5
 CRT -.1718 CRS -.9837 CST .3464
 LSA 1465.0 MSA 592.7 SSA .7
 EL1 1361.4 EL2 588.5 ALF 95.34

LAUNCH DATE MAY 19 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 426.500

RL 151.34 LAL -.00 LOL 237.35 VL 27.061 GAL 2.33 AZL 83.40 MCA 186.47 SMA 129.92 ECC .16974 INC 6.5979 V1 29.440
 RP 107.92 LAP -.74 LOP 63.78 VP 37.919 GAP -.73 AZP 96.56 TAL 168.47 TAP 354.93 RCA 107.86 APO 151.97 V2 35.113
 RC 84.440 GL 49.17 GP -70.84 ZAL 79.50 ZAP 87.78 ETS 7.31 ZAE 113.45 ETE 266.68 ZAC 108.28 ETC 351.56 CLP -83.22

PLANETOCENTRIC CONIC

C3 16.861 VHL 4.106 DLA 50.17 RAL 191.80 RAD 6567.7 VEL 11.758 PTH 2.08 VHP 6.880 DPA -53.00 RAP 127.13 ECC 1.2775
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 46.69 22 8 43 4257.92 -34.69 199.69 66.56 51.17 23 19 41 3657.9 -39.44 192.04
 133.31 6 37 28 2734.95 -34.68 79.50 66.54 51.16 7 23 3 2134.9 -39.43 71.84
 46.69 22 8 43 4257.92 -34.69 199.69 66.56 51.17 23 19 41 3657.9 -39.44 192.04
 133.31 6 37 28 2734.95 -34.68 79.50 66.54 51.16 7 23 3 2134.9 -39.43 71.84
 46.69 22 8 43 4257.92 -34.69 199.69 66.56 51.17 23 19 41 3657.9 -39.44 192.04
 133.31 6 37 28 2734.95 -34.68 79.50 66.54 51.16 7 23 3 2134.9 -39.43 71.84

DIFFERENTIAL CORRECTIONS

TOE .4380 TRA -.2709 TC3 -.5628 BAU .4963
 ROE .3949 RRA 1.8035 RC3 -2.1288 FAU .03972
 FDE .3126 FRA 1.6418 FC3 -2.0392 BSP 13658
 BOE .5898 BRA 1.8238 BC3 2.2019 FSP -1090

MID-COURSE EXECUTION ACCURACY

SGT 967.1 SGR 4335.3 SG3 343.3
 RRT .8259 RRF .9997 RTF .8200
 SGB 4441.8 R23 .0327 R13 .9992
 SG1 4409.4 SG2 536.1 TMA 79.40

ORBIT DETERMINATION ACCURACY

ST 636.5 SR 1302.1 SS 689.1
 CRT .6590 CRS -.9987 CST -.6197
 LSA 1536.1 MSA 464.5 SSA 1.7
 EL1 1376.8 EL2 452.8 ALF 69.88

LAUNCH DATE MAY 19 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC
 RL 151.34 LAL -.00 LOL 237.35 VL 27.064 GAL 2.38 AZL 86.69 HCA 189.66 SMA 129.93 ECC .16976 INC 3.3063 V1 29.440
 RP 107.89 LAP -.55 LOP 66.99 VP 37.932 GAP -.31 AZP 93.26 TAL 168.23 TAP 357.89 RCA 107.88 APO 151.99 V2 35.125
 RC 86.655 GL 31.34 GP -59.66 ZAL 75.11 ZAP 90.13 ETS .81 ZAE 123.95 ETE 259.68 ZAC 111.64 ETC 352.13 CLP -90.25

PLANETOCENTRIC CONIC
 C3 8.991 VML 2.999 DLA 34.47 RAL 180.16 RAD 6567.3 VEL 11.418 PTH 1.98 VMP 5.058 DPA -42.79 RAP 134.33 ECC 1.1480
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.47 23 2 1 3848.58 -28.30 160.00 38.51 69.45 24 6 9 3248.6 -30.83 151.69
 110.53 4 11 17 2877.81 -28.29 87.51 38.51 69.43 4 59 15 2277.8 -30.82 79.20
 69.47 23 2 1 3848.58 -28.30 160.00 38.51 69.45 24 6 9 3248.6 -30.83 151.69
 110.53 4 11 17 2877.81 -28.29 87.51 38.51 69.43 4 59 15 2277.8 -30.82 79.20
 69.47 23 2 1 3848.58 -28.30 160.00 38.51 69.45 24 6 9 3248.6 -30.83 151.69
 110.53 4 11 17 2877.81 -28.29 87.51 38.51 69.43 4 59 15 2277.8 -30.82 79.20

DIFFERENTIAL CORRECTIONS
 TOE .2581 TRA .3365 TC3-1.6551 BAU .5120
 RDE .1576 RRA 1.3685 RC3-3.9248 FAU .07160
 FDE .1884 FRA 2.3067 FC3-6.8939 BSP 12916
 BDE .3025 BRA 1.4093 BC3 4.2595 FSP -1863

MID-COURSE EXECUTION ACCURACY
 SGT 1355.3 SGR 3961.3 SG3 584.8
 RRT .9237 RRF .9995 RTF .9213
 SGB 4186.7 R23 .0431 R13 .9986
 SG1 4157.4 SG2 494.9 TMA 72.20

ORBIT DETERMINATION ACCURACY
 ST 546.7 SR 1000.6 SS 720.4
 CRT .6824 CRS -.9963 CST -.6175
 LSA 1289.6 MSA 395.2 SSA 3.2
 EL1 1078.2 EL2 370.9 ALF 66.62

LAUNCH DATE MAY 19 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC
 RL 151.34 LAL -.00 LOL 237.35 VL 27.064 GAL 2.43 AZL 88.36 HCA 192.87 SMA 129.94 ECC .16998 INC 1.6404 V1 29.440
 RP 107.85 LAP -.37 LOP 70.21 VP 37.943 GAP .12 AZP 91.60 TAL 167.96 TAP .83 RCA 107.85 APO 152.02 V2 35.137
 RC 88.880 GL 16.97 GP -50.84 ZAL 72.52 ZAP 93.89 ETS 356.29 ZAE 131.57 ETE 252.43 ZAC 114.42 ETC 353.59 CLP -96.17

PLANETOCENTRIC CONIC
 C3 7.040 VML 2.653 DLA 21.23 RAL 173.76 RAD 6567.2 VEL 11.333 PTH 1.95 VMP 4.243 DPA -34.23 RAP 137.68 ECC 1.1159
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 8 9 2726.81 -27.83 76.50 26.08 95.46 4 53 36 2126.8 -26.78 67.99
 90.00 22 14 7 3909.31 -9.20 155.62 22.38 63.10 23 19 17 3309.3 -12.74 148.73
 100.00 5 43 55 2417.99 -29.00 53.63 25.93 97.57 6 24 13 1818.0 -27.65 45.09
 100.00 23 21 2 3693.36 -8.16 139.19 21.82 61.14 24 22 36 3093.4 -11.95 132.45
 110.00 7 22 34 2109.34 -31.90 29.58 25.32 102.98 7 57 44 1509.3 -29.79 21.01
 110.00 0 2 48 3574.77 -5.64 128.66 20.28 56.23 1 2 23 2974.8 -10.04 122.33

DIFFERENTIAL CORRECTIONS
 TOE .0937 TRA .4054 TC3-2.7608 BAU .5014
 RDE -.0793 RRA 1.1133 RC3-4.5566 FAU .09934
 FDE -.3447 FRA 2.8767 FC-12.2164 BSP 12178
 BDE .1228 BRA 1.1848 BC3 5.3277 FSP -2579

MID-COURSE EXECUTION ACCURACY
 SGT 1751.9 SGR 3539.4 SG3 805.8
 RRT .9563 RRF .9993 RTF .9550
 SGB 3949.3 R23 .0588 R13 .9976
 SG1 3922.1 SG2 462.3 TMA 64.29

ORBIT DETERMINATION ACCURACY
 ST 349.7 SR 795.8 SS 785.4
 CRT .6703 CRS -.9905 CST -.5622
 LSA 1137.4 MSA 280.2 SSA 6.4
 EL1 833.1 EL2 247.9 ALF 71.93

LAUNCH DATE MAY 19 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC
 RL 151.34 LAL -.00 LOL 237.35 VL 27.062 GAL 2.50 AZL 89.37 HCA 196.08 SMA 129.92 ECC .17040 INC .6313 V1 29.440
 RP 107.82 LAP -.17 LOP 73.43 VP 37.952 GAP .54 AZP 90.61 TAL 167.66 TAP 3.74 RCA 107.78 APO 152.06 V2 35.149
 RC 91.113 GL 6.69 GP -43.70 ZAL 71.10 ZAP 98.43 ETS 352.98 ZAE 136.85 ETE 244.34 ZAC 116.82 ETC 355.26 CLP -101.70

PLANETOCENTRIC CONIC
 C3 6.553 VML 2.560 DLA 11.53 RAL 170.12 RAD 6567.2 VEL 11.311 PTH 1.94 VMP 3.829 DPA -27.05 RAP 139.31 ECC 1.1078
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 28 51 2349.57 -22.60 50.22 18.45 107.53 6 8 0 1749.6 -19.99 42.52
 90.00 20 24 20 4261.58 2.03 175.42 16.12 61.75 21 35 22 3661.6 -1.77 168.79
 100.00 6 56 1 2068.43 -23.40 29.25 18.17 109.15 7 30 30 1468.4 -20.57 21.60
 100.00 21 39 51 4017.94 2.76 157.09 15.71 60.22 22 46 49 3417.9 -1.22 150.57
 110.00 8 17 27 1813.63 -25.50 9.00 17.26 113.57 8 47 41 1213.6 -22.09 1.50
 110.00 22 34 55 3845.52 4.68 142.82 14.52 56.10 23 39 0 3245.5 .20 136.60

DIFFERENTIAL CORRECTIONS
 TOE -.0674 TRA .4822 TC3-3.6173 BAU .4950
 RDE -.2249 RRA .9326 RC3-4.3408 FAU .12014
 FDE -1.0229 FRA 3.2916 FC-15.8734 BSP 11697
 BDE .2348 BRA 1.0499 BC3 5.6504 FSP -3151

MID-COURSE EXECUTION ACCURACY
 SGT 2160.0 SGR 3119.4 SG3 976.8
 RRT .9703 RRF .9990 RTF .9696
 SGB 3794.2 R23 .0773 R13 .9960
 SG1 3769.5 SG2 432.1 TMA 55.59

ORBIT DETERMINATION ACCURACY
 ST 367.5 SR 816.3 SS 1066.3
 CRT .9696 CRS -.9921 CST -.9323
 LSA 1385.2 MSA 138.9 SSA 12.9
 EL1 891.4 EL2 82.4 ALF 66.20

LAUNCH DATE MAY 19 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC
 RL 151.34 LAL -.00 LOL 237.35 VL 27.057 GAL 2.58 AZL 90.05 HCA 199.31 SMA 129.89 ECC .17102 INC .0242 V1 29.440
 RP 107.78 LAP .02 LOP 76.66 VP 37.960 GAP .96 AZP 89.95 TAL 167.30 TAP 6.61 RCA 107.68 APO 152.11 V2 35.160
 RC 93.352 GL -.51 GP -37.84 ZAL 70.20 ZAP 103.31 ETS 350.59 ZAE 140.15 ETE 235.74 ZAC 118.85 ETC 357.01 CLP -106.95

PLANETOCENTRIC CONIC
 C3 6.550 VML 2.559 DLA 4.60 RAL 167.99 RAD 6567.2 VEL 11.311 PTH 1.94 VMP 3.614 DPA -21.04 RAP 140.09 ECC 1.1078
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 14 48 2126.52 -17.34 35.98 14.80 112.74 6 50 14 1526.5 -14.11 28.79
 90.00 19 21 22 4484.49 9.09 187.99 13.84 63.07 20 36 7 3884.5 5.40 181.25
 100.00 7 38 18 1857.18 -18.05 15.85 14.48 114.24 8 9 16 1257.2 -14.63 8.73
 100.00 20 40 33 4229.06 9.78 168.84 13.48 61.61 21 51 2 3629.1 5.91 162.19
 110.00 8 51 30 1628.08 -19.95 357.46 13.49 118.35 9 18 38 1028.1 -16.01 350.56
 110.00 21 43 50 4030.93 11.60 152.71 12.39 57.62 22 51 1 3430.9 7.25 146.33

DIFFERENTIAL CORRECTIONS
 TOE -.2250 TRA .5669 TC3-4.2237 BAU .4965
 RDE -.2938 RRA .7987 RC3-3.7824 FAU .13262
 FDE -1.6569 FRA 3.5722 FC-17.5288 BSP 11410
 BDE .3700 BRA .9794 BC3 5.6697 FSP -3506

MID-COURSE EXECUTION ACCURACY
 SGT 2559.0 SGR 2720.1 SG3 1088.2
 RRT .9770 RRF .9984 RTF .9767
 SGB 3734.6 R23 .0943 R13 .9939
 SG1 3713.2 SG2 399.6 TMA 46.79

ORBIT DETERMINATION ACCURACY
 ST 635.4 SR 851.8 SS 1383.3
 CRT .9987 CRS -.9939 CST -.9965
 LSA 1742.2 MSA 84.6 SSA 20.3
 EL1 1062.4 EL2 25.5 ALF 53.29

LAUNCH DATE MAY 19 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 458.113

RL 151.34 LAL -0.00 LOL 237.35 VL 27.051 GAL 2.68 AZL 90.54 MCA 202.53 SMA 129.85 ECC .17183 INC .5401 V1 29.440
 RP 107.75 LAP .21 LOP 79.88 VP 37.965 GAP 1.38 AZP 89.50 TAL 166.91 TAP 9.44 RCA 107.54 APO 152.16 V2 35.170
 RC 95.596 GL -5.64 GP -32.97 ZAL 69.46 ZAP 108.23 ETS 348.89 ZAE 141.82 ETE 227.25 ZAC 120.53 ETC 358.79 CLP-111.90

PLANETOCENTRIC CONIC

C3 6.739 VHL 2.596 DLA -4.45 RAL 166.77 RAD 6567.2 VEL 11.320 PTH 1.95 VHP 3.515 DPA -15.99 RAP 140.46 ECC 1.1109
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 47 31 1974.58 -13.12 26.83 13.22 115.32 7 20 25 1374.6 -9.60 19.92
 90.00 18 38 56 4646.26 13.91 197.42 13.31 65.09 19 56 22 4046.3 10.44 190.46
 100.00 8 8 39 1712.87 -13.81 7.23 12.86 116.78 8 37 12 1112.9 -10.11 .40
 100.00 20 0 29 4383.21 14.61 177.73 12.96 63.63 21 13 32 3783.2 10.96 170.85
 110.00 9 16 25 1500.74 -15.67 350.08 11.81 120.78 9 41 26 900.7 -11.47 343.49
 110.00 21 9 12 4168.11 16.47 160.36 11.92 59.62 22 18 40 3568.1 12.32 153.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.3831 TRA .6525 TC3-4.6703 BAU .5103 SGT 2944.3 SGR 2364.2 SG3 1149.3 ST 952.3 SR 842.7 SS 1656.1
 ROE -.3200 RRA .6904 RC3-3.2047 FAU .13917 RRT .9807 RRF .9974 RTF .9810 CRT .9947 CRS -.9944 CST -.9997
 FDE-2.2020 FRA 3.7135 FC-17.6778 BSP 11546 SGB 3776.0 R23 .1048 R13 .9920 LSA 2086.3 MSA 80.9 SSA 20.9
 BDE .4991 BRA .9500 BC3 5.6641 FSP -3729 SG1 3758.6 SG2 362.3 TMA 38.64 EL1 1269.9 EL2 65.2 ALF 41.49

LAUNCH DATE MAY 19 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 464.390

RL 151.34 LAL -0.00 LOL 237.35 VL 27.043 GAL 2.78 AZL 90.92 MCA 205.76 SMA 129.79 ECC .17283 INC .9149 V1 29.440
 RP 107.72 LAP .40 LOP 83.11 VP 37.968 GAP 1.79 AZP 89.18 TAL 166.46 TAP 12.22 RCA 107.36 APO 152.22 V2 35.180
 RC 97.843 GL -9.37 GP -28.91 ZAL 68.73 ZAP 113.03 ETS 347.70 ZAE 142.25 ETE 219.48 ZAC 121.86 ETC .55 CLP-116.54

PLANETOCENTRIC CONIC

C3 7.017 VHL 2.649 DLA -4.25 RAL 166.15 RAD 6567.2 VEL 11.332 PTH 1.95 VHP 3.489 DPA -11.75 RAP 140.65 ECC 1.1155
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 13 20 1863.61 -9.80 20.36 12.76 116.70 7 44 24 1263.6 -6.14 13.60
 90.00 18 8 12 4771.38 17.36 204.99 13.70 67.27 19 27 43 4171.4 14.13 197.80
 100.00 8 32 41 1607.60 -10.51 1.17 12.39 118.15 8 59 29 1007.6 -6.66 354.49
 100.00 19 31 32 4502.59 18.09 184.89 13.36 65.79 20 46 34 3902.6 14.67 177.76
 110.00 9 36 22 1408.27 -12.38 344.93 11.28 122.12 9 59 50 808.3 -8.05 338.51
 110.00 20 44 21 4274.72 20.04 166.57 12.35 61.71 21 55 35 3674.7 16.10 159.66

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.5378 TRA .7415 TC3-4.9888 BAU .5311 SGT 3305.3 SGR 2049.2 SG3 1167.4 ST 1261.7 SR 791.1 SS 1857.7
 ROE -.3167 RRA .6045 RC3-2.6767 FAU .14023 RRT .9823 RRF .9958 RTF .9835 CRT .9918 CRS -.9937 CST -.9997
 FDE-2.6118 FRA 3.7635 FC-17.3009 BSP 11897 SGB 3889.0 R23 .1069 R13 .9904 LSA 2379.2 MSA 88.7 SSA 19.2
 BDE .6241 BRA .9567 BC3 5.6615 FSP -3803 SG1 3875.2 SG2 327.4 TMA 31.59 EL1 1486.8 EL2 85.8 ALF 31.99

LAUNCH DATE MAY 19 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 470.647

RL 151.34 LAL -0.00 LOL 237.35 VL 27.032 GAL 2.90 AZL 91.21 MCA 208.99 SMA 129.72 ECC .17401 INC 1.2114 V1 29.440
 RP 107.69 LAP .59 LOP 86.34 VP 37.970 GAP 2.20 AZP 88.94 TAL 165.98 TAP 14.97 RCA 107.15 APO 152.29 V2 35.190
 RC 100.092 GL -12.16 GP -25.49 ZAL 67.95 ZAP 117.59 ETS 346.88 ZAE 141.83 ETE 212.78 ZAC 122.83 ETC 2.25 CLP-120.87

PLANETOCENTRIC CONIC

C3 7.344 VHL 2.710 DLA -7.20 RAL 165.96 RAD 6567.2 VEL 11.346 PTH 1.96 VHP 3.513 DPA -8.20 RAP 140.80 ECC 1.1209
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 35 4 1778.66 -7.16 15.51 13.00 117.47 8 4 42 1178.7 -3.43 8.83
 90.00 17 44 59 4872.51 19.90 211.32 14.63 69.43 19 6 11 4272.5 16.93 203.91
 100.00 8 52 57 1527.37 -7.89 356.64 12.61 118.92 9 18 25 927.4 -3.98 350.05
 100.00 19 9 46 4599.04 20.68 190.88 14.31 67.92 20 26 25 3999.0 17.50 183.53
 110.00 9 53 20 1338.35 -9.82 341.13 11.44 122.91 10 15 38 738.3 -5.42 334.81
 110.00 20 25 53 4360.83 22.72 171.81 13.32 63.75 21 38 34 3760.8 19.01 164.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.6893 TRA .8329 TC3-5.2130 BAU .5566 SGT 3641.1 SGR 1777.1 SG3 1154.2 ST 1553.8 SR 717.1 SS 1999.0
 ROE -.2938 RRA .5357 RC3-2.2287 FAU .13740 RRT .9823 RRF .9933 RTF .9851 CRT .9891 CRS -.9921 CST -.9996
 FDE-2.8986 FRA 3.7489 FC-16.1975 BSP 12425 SGB 4051.6 R23 .1012 R13 .9894 LSA 2629.7 MSA 96.3 SSA 18.2
 BDE .7507 BRA .9903 BC3 5.6695 FSP -3774 SG1 4040.5 SG2 300.0 TMA 25.77 EL1 1708.6 EL2 96.2 ALF 24.62

LAUNCH DATE MAY 19 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 476.885

RL 151.34 LAL -0.00 LOL 237.35 VL 27.021 GAL 3.04 AZL 91.45 MCA 212.23 SMA 129.64 ECC .17539 INC 1.4532 V1 29.440
 RP 107.66 LAP .78 LOP 89.57 VP 37.970 GAP 2.61 AZP 88.77 TAL 165.45 TAP 17.68 RCA 106.90 APO 152.37 V2 35.199
 RC 102.344 GL -14.27 GP -22.60 ZAL 67.11 ZAP 121.88 ETS 346.32 ZAE 140.87 ETE 207.24 ZAC 123.46 ETC 3.85 CLP-124.90

PLANETOCENTRIC CONIC

C3 7.705 VHL 2.776 DLA -9.55 RAL 166.10 RAD 6567.3 VEL 11.362 PTH 1.96 VHP 3.575 DPA -5.23 RAP 141.01 ECC 1.1268
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 54 8 1711.43 -5.04 11.72 13.71 117.90 8 22 39 1111.4 -1.26 5.07
 90.00 17 26 58 4957.08 21.83 216.77 15.92 71.50 18 49 35 4357.1 19.10 209.16
 100.00 9 10 47 1464.15 -5.80 353.12 13.29 119.38 9 35 11 864.1 -1.84 346.57
 100.00 18 53 0 4679.60 22.65 196.05 15.61 69.95 20 10 59 4079.6 19.71 188.49
 110.00 10 8 21 1283.88 -7.79 338.22 12.06 123.39 10 29 45 683.9 -3.35 331.95
 110.00 20 11 55 4432.63 24.81 176.34 14.65 65.70 21 25 48 3832.6 21.32 168.93

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.8369 TRA .9265 TC3-5.3643 BAU .5848 SGT 3951.3 SGR 1544.6 SG3 1119.3 ST 1824.9 SR 633.6 SS 2090.2
 ROE -.2696 RRA .4799 RC3-1.8607 FAU .13204 RRT .9807 RRF .9895 RTF .9861 CRT .9854 CRS -.9892 CST -.9996
 FDE-3.0782 FRA 3.6885 FC-14.8370 BSP 13061 SGB 4242.5 R23 .0894 R13 .9887 LSA 2844.2 MSA 102.6 SSA 17.7
 BDE .8792 BRA 1.0434 BC3 5.6778 FSP -3675 SG1 4233.1 SG2 281.9 TMA 21.07 EL1 1929.1 EL2 102.2 ALF 18.94

LAUNCH DATE MAY 12 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 483.103

RL 151.34 LAL -.00 LOL 237.35 VL 27.007 GAL 3.19 AZL 91.66 MCA 215.46 SMA 129.55 ECC .17694 INC 1.6552 V1 29.440
 RP 107.63 LAP .96 LOP 92.80 VP 37.968 GAP 3.02 AZP 88.65 TAL 164.88 TAP 20.34 RCA 106.62 APO 152.47 V2 35.208
 RC 104.596 GL -15.89 GP -20.15 ZAL 66.19 ZAP 125.88 ETS 345.95 ZAE 139.60 ETE 202.78 ZAC 123.78 ETC 5.32 CLP-128.63

PLANETOCENTRIC CONIC

C3 8.094 VML 2.845 CLA -11.48 RAL 166.48 RAD 6567.3 VEL 11.379 PTH 1.97 VMP 3.664 CPA -2.75 RAP 141.32 ECC 1.1332
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 11 23 1656.89 -3.29 8.66 14.75 118.14 8 39 0 1056.9 .50 2.03
 90.00 17 12 45 5029.77 23.32 221.58 17.47 73.47 18 36 35 4429.8 20.83 213.79
 100.00 9 26 56 1413.17 -4.09 350.30 14.31 119.64 9 50 29 813.2 -.11 343.77
 100.00 18 39 53 4748.73 24.19 200.61 17.17 71.88 19 59 2 4148.7 21.49 192.86
 110.00 10 22 3 1240.55 -6.16 335.92 13.02 123.69 10 42 44 640.5 -1.69 329.69
 110.00 20 1 16 4494.11 26.47 180.34 16.24 67.54 21 16 10 3894.1 23.20 172.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.9777 TRA 1.0256 TC3-5.4401 BAU .6123
 RDE -.2364 RRA .4358 RC3-1.5553 FAU .12456
 FDE-3.1618 FRA 3.6106 FC-13.3221 BSP 13684
 BDE 1.0059 BRA 1.1144 BC3 5.6581 FSP -3508

SGT 4230.9 SGR 1346.1 SG3 1068.9
 RRT .9770 RRF .9839 RTF .9866
 SGB 4439.9 R23 .0748 R13 .9882
 SG1 4431.4 SG2 273.9 TMA 17.34

ST 2070.0 SR 547.4 SS 2136.6
 CRT .9795 CRS -.9842 CST -.9996
 LSA 3022.9 MSA 108.4 SSA 17.5
 EL1 2138.5 EL2 106.7 ALF 14.56

LAUNCH DATE MAY 19 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 489.301

RL 151.34 LAL -.00 LOL 237.35 VL 26.992 GAL 3.35 AZL 91.83 MCA 218.70 SMA 129.45 ECC .17868 INC 1.8275 V1 29.440
 RP 107.61 LAP 1.14 LOP 96.04 VP 37.965 GAP 3.43 AZP 88.57 TAL 164.27 TAP 22.97 RCA 106.32 APO 152.57 V2 35.216
 RC 106.849 GL -17.13 GP -18.07 ZAL 65.20 ZAP 129.59 ETS 345.69 ZAE 138.20 ETE 199.23 ZAC 123.82 ETC 6.65 CLP-132.09

PLANETOCENTRIC CONIC

C3 8.513 VML 2.918 CLA -13.09 RAL 167.06 RAD 6567.3 VEL 11.398 PTH 1.97 VMP 3.775 CPA -.70 RAP 141.75 ECC 1.1401
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 27 20 1611.91 -1.84 6.15 16.04 118.26 8 54 12 1011.9 1.95 359.52
 90.00 17 1 26 5093.65 24.49 225.89 19.21 75.32 18 26 20 4493.6 22.24 217.95
 100.00 9 41 53 1371.40 -2.68 348.00 15.58 119.78 10 4 44 771.4 1.31 341.48
 100.00 18 29 35 4809.37 25.41 204.70 18.93 73.70 19 49 44 4209.4 22.93 196.78
 110.00 10 34 49 1205.61 -4.84 334.08 14.24 123.88 10 54 54 605.6 -.36 327.86
 110.00 19 53 8 4547.93 27.82 183.95 18.03 69.29 21 8 56 3947.9 24.75 176.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.1167 TRA 1.1259 TC3-5.4753 BAU .6408
 RDE -.2033 RRA .3993 RC3-1.3135 FAU .11675
 FDE-3.1921 FRA 3.5090 FC-11.8727 BSP 14381
 BDE 1.1350 BRA 1.1946 BC3 5.6307 FSP -3338

SGT 4491.1 SGR 1181.1 SG3 1012.5
 RRT .9713 RRF .9759 RTF .9869
 SGB 4643.8 R23 .0583 R13 .9879
 SG1 4635.8 SG2 272.4 TMA 14.38

ST 2298.1 SR 467.2 SS 2159.9
 CRT .9707 CRS -.9763 CST -.9996
 LSA 3186.2 MSA 113.0 SSA 17.4
 EL1 2342.6 EL2 110.2 ALF 11.19

LAUNCH DATE MAY 19 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 495.477

RL 151.34 LAL -.00 LOL 237.35 VL 26.976 GAL 3.52 AZL 91.98 MCA 221.94 SMA 129.34 ECC .18062 INC 1.9772 V1 29.440
 RP 107.59 LAP 1.32 LOP 99.27 VP 37.961 GAP 3.83 AZP 88.53 TAL 163.63 TAP 25.56 RCA 105.97 APO 152.70 V2 35.223
 RC 109.101 GL -18.08 GP -16.28 ZAL 64.14 ZAP 133.01 ETS 345.51 ZAE 136.77 ETE 196.41 ZAC 123.60 ETC 7.83 CLP-135.29

PLANETOCENTRIC CONIC

C3 8.963 VML 2.994 CLA -14.45 RAL 167.81 RAD 6567.3 VEL 11.417 PTH 1.98 VMP 3.905 CPA .99 RAP 142.32 ECC 1.1475
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 42 19 1574.37 -.63 4.05 17.55 118.31 9 8 34 974.4 3.16 357.42
 90.00 16 52 25 5150.81 25.42 229.82 21.12 77.08 18 18 16 4550.8 23.39 221.74
 100.00 9 55 56 1336.86 -1.51 346.10 17.06 119.86 10 18 13 736.9 2.48 339.58
 100.00 18 21 30 4863.56 26.39 208.43 20.86 75.43 19 42 33 4263.6 24.13 200.36
 110.00 10 46 53 1177.26 -3.76 332.59 15.66 124.00 11 6 30 577.3 .73 326.39
 110.00 19 47 2 4595.92 28.93 187.24 19.99 70.95 21 3 38 3995.9 26.06 179.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.2505 TRA 1.2312 TC3-5.4626 BAU .6681
 RDE -.1700 RRA .3699 RC3-1.1167 FAU .10852
 FDE-3.1714 FRA 3.4030 FC-10.4815 BSP 15048
 BDE 1.2620 BRA 1.2855 BC3 5.5755 FSP -3149

SGT 4727.1 SGR 1042.7 SG3 952.2
 RRT .9625 RRF .9648 RTF .9870
 SGB 4840.8 R23 .0428 R13 .9875
 SG1 4832.9 SG2 276.7 TMA 12.03

ST 2504.0 SR 392.8 SS 2158.7
 CRT .9562 CRS -.9630 CST -.9996
 LSA 3327.2 MSA 117.4 SSA 17.3
 EL1 2532.1 EL2 113.7 ALF 8.55

LAUNCH DATE MAY 19 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 501.632

RL 151.34 LAL -.00 LOL 237.35 VL 26.959 GAL 3.72 AZL 92.11 MCA 225.18 SMA 129.22 ECC .18274 INC 2.1092 V1 29.440
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.955 GAP 4.24 AZP 88.51 TAL 162.94 TAP 28.12 RCA 105.60 APO 152.83 V2 35.230
 RC 111.351 GL -18.79 GP -14.75 ZAL 63.01 ZAP 136.18 ETS 345.38 ZAE 135.37 ETE 194.16 ZAC 123.15 ETC 8.86 CLP-138.26

PLANETOCENTRIC CONIC

C3 9.449 VML 3.074 CLA -15.62 RAL 168.69 RAD 6567.3 VEL 11.438 PTH 1.98 VMP 4.049 CPA 2.37 RAP 143.04 ECC 1.1555
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 56 33 1542.90 .38 2.30 19.23 118.31 9 22 16 942.9 4.17 355.68
 90.00 16 45 16 5202.75 26.16 233.45 23.17 78.76 18 11 59 4602.8 24.34 225.25
 100.00 10 9 17 1308.17 -.54 344.53 18.72 119.89 10 31 6 708.2 3.45 338.01
 100.00 18 15 12 4912.71 27.19 211.87 22.92 77.07 19 37 5 4312.7 25.14 203.67
 110.00 10 58 25 1154.27 -2.88 331.39 17.25 124.08 11 17 40 554.3 1.61 325.19
 110.00 19 42 34 4639.38 29.86 190.28 22.10 72.53 20 59 53 4039.4 27.18 182.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.3801 TRA 1.3424 TC3-5.4079 BAU .6937
 RDE -.1375 RRA .3463 RC3 -.9556 FAU .10021
 FDE-3.1160 FRA 3.2999 FC3-9.1817 BSP 15678
 BDE 1.3869 BRA 1.3864 BC3 5.4917 FSP -2955

SGT 4941.7 SGR 927.4 SG3 891.2
 RRT .9500 RRF .9498 RTF .9869
 SGB 5028.0 R23 .0293 R13 .9872
 SG1 5019.9 SG2 285.0 TMA 10.14

ST 2689.8 SR 326.2 SS 2140.2
 CRT .9320 CRS -.9403 CST -.9997
 LSA 3450.6 MSA 121.9 SSA 17.3
 EL1 2707.0 EL2 117.5 ALF 6.46

LAUNCH DATE MAY 19 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 507.764

RL 151.34 LAL -.00 LOL 237.35 VL 26.940 GAL 3.92 AZL 92.23 MCA 228.42 SMA 129.09 ECC .18507 INC 2.2272 V1 29.440
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.947 GAP 4.65 AZP 88.52 TAL 162.23 TAP 30.65 RCA 105.20 APO 152.98 V2 35.236
 RC 113.598 GL -19.31 GP -13.43 ZAL 61.83 ZAP 139.12 ETS 345.26 ZAE 134.05 ETE 192.37 ZAC 122.50 ETC 9.75 CLP-141.02

PLANETOCENTRIC CONIC

C3 9.975 VHL 3.158 DLA -16.63 RAL 169.69 RAD 6567.4 VEL 11.461 PTM 1.99 VHP 4.206 DPA 3.48 RAP 143.89 ECC 1.1642
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 10 9 1516.52 1.24 .83 21.06 118.29 9 35 25 916.5 5.01 354.18
 90.00 16 39 40 5250.52 26.75 236.82 25.34 80.35 18 7 10 4650.5 25.14 228.52
 100.00 10 22 5 1284.42 .27 343.23 20.52 119.89 10 43 29 684.4 4.25 336.70
 100.00 18 10 25 4957.86 27.84 215.06 25.11 78.64 19 33 3 4357.9 25.98 206.75
 110.00 11 9 32 1135.78 -2.18 330.42 18.99 124.12 11 28 27 535.8 2.31 324.22
 110.00 19 39 27 4679.27 30.64 193.13 24.33 74.05 20 57 26 4079.3 28.15 184.81

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.5034 TRA 1.4617 TC3-5.3089 BAU .7164 SGT 5132.5 SGR 831.0 SG3 830.4 ST 2852.6 SR 267.6 SS 2104.8
 RDE -.1056 RRA .3276 RC3 -.8213 FAU .09182 RRT .9329 RRF .9301 RTF .9865 CRT .8892 CRS -.8997 CST -.9997
 FDE-3.0301 FRA 3.2049 FC3-7.9687 BSP 16215 SGB 5199.4 R23 .0186 R13 .9867 LSA 3552.9 MSA 126.8 SSA 17.3
 BDE 1.5071 BRA 1.4980 BC3 5.3721 FSP -2751 SG1 5191.0 SGT 296.0 TMA 8.62 EL1 2862.6 EL2 122.0 ALF 4.78

LAUNCH DATE MAY 19 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 513.872

RL 151.34 LAL -.00 LOL 237.35 VL 26.921 GAL 4.15 AZL 92.33 MCA 231.67 SMA 128.96 ECC .18760 INC 2.3339 V1 29.440
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.938 GAP 5.07 AZP 88.55 TAL 161.48 TAP 33.14 RCA 104.77 APO 153.15 V2 35.241
 RC 115.842 GL -19.68 GP -12.29 ZAL 60.61 ZAP 141.84 ETS 345.14 ZAE 132.80 ETE 190.92 ZAC 121.67 ETC 10.50 CLP-143.58

PLANETOCENTRIC CONIC

C3 10.548 VHL 3.248 DLA -17.51 RAL 170.80 RAD 6567.4 VEL 11.486 PTM 2.00 VHP 4.374 DPA 4.37 RAP 144.87 ECC 1.1736
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 23 13 1494.58 1.94 359.60 23.02 118.26 9 48 7 894.6 5.71 352.94
 90.00 16 35 22 5294.89 27.22 239.98 27.61 81.87 18 3 37 4694.9 25.81 231.60
 100.00 10 34 22 1264.96 .93 342.16 22.45 119.88 10 55 27 665.0 4.90 335.62
 100.00 18 6 54 4999.75 28.36 218.07 27.41 80.13 19 30 14 4399.7 26.71 209.66
 110.00 11 20 15 1121.20 -1.62 329.66 20.86 124.15 11 38 57 521.2 2.87 323.46
 110.00 19 37 30 4716.27 31.30 195.81 26.67 75.51 20 56 7 4116.3 29.00 187.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6267 TRA 1.5848 TC3-5.1945 BAU .7394 SGT 5311.8 SGR 752.2 SG3 773.6 ST 3003.2 SR 219.4 SS 2066.4
 RDE -.0760 RRA .3120 RC3 -.7133 FAU .08429 RRT .9111 RRF .9052 RTF .9863 CRT .8170 CRS -.8300 CST -.9997
 FDE-2.9402 FRA 3.1082 FC3-6.9182 BSP 16794 SGB 5364.8 R23 .0088 R13 .9864 LSA 3649.6 MSA 131.1 SSA 17.2
 BDE 1.6284 BRA 1.6152 BC3 5.2433 FSP -2573 SG1 5355.9 SGT 307.5 TMA 7.38 EL1 3008.6 EL2 126.3 ALF 3.42

LAUNCH DATE MAY 19 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 519.956

RL 151.34 LAL -.00 LOL 237.35 VL 26.900 GAL 4.39 AZL 92.43 MCA 234.91 SMA 128.82 ECC .19034 INC 2.4315 V1 29.440
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.928 GAP 5.48 AZP 88.60 TAL 160.70 TAP 35.61 RCA 104.30 APO 153.34 V2 35.246
 RC 118.080 GL -19.90 GP -11.29 ZAL 59.34 ZAP 144.37 ETS 345.00 ZAE 131.65 ETE 189.75 ZAC 120.68 ETC 11.13 CLP-145.98

PLANETOCENTRIC CONIC

C3 11.173 VHL 3.343 DLA -18.28 RAL 171.98 RAD 6567.4 VEL 11.514 PTM 2.01 VHP 4.553 DPA 5.05 RAP 145.98 ECC 1.1839
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 35 48 1476.58 2.52 358.60 25.09 118.21 10 0 24 876.6 6.28 351.93
 90.00 16 32 14 5336.44 27.58 242.97 29.98 83.32 18 1 11 4736.4 26.37 234.51
 100.00 10 46 14 1249.31 1.46 341.30 24.50 119.86 11 7 3 649.3 5.42 334.76
 100.00 18 4 30 5038.95 28.78 220.90 29.80 81.57 19 28 28 4438.9 27.32 212.41
 110.00 11 30 39 1110.10 -1.20 329.08 22.84 124.16 11 49 9 510.1 3.29 322.88
 110.00 19 36 33 4750.92 31.87 198.35 29.13 76.92 20 55 44 4150.9 29.74 189.79

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7469 TRA 1.7154 TC3-5.0334 BAU .7605 SGT 5474.3 SGR 687.0 SG3 719.6 ST 3136.8 SR 181.8 SS 2020.6
 RDE -.0474 RRA .2994 RC3 -.6227 FAU .07713 RRT .8836 RRF .8746 RTF .9859 CRT .6931 CRS -.7091 CST -.9997
 FDE-2.8402 FRA 3.0191 FC3-5.9767 BSP 17333 SGB 5517.3 R23 .0009 R13 .9860 LSA 3733.2 MSA 135.7 SSA 17.1
 BDE 1.7475 BRA 1.7413 BC3 5.0916 FSP -2404 SG1 5508.0 SGT 319.7 TMA 6.35 EL1 3139.4 EL2 130.9 ALF 2.30

LAUNCH DATE MAY 19 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 526.014

RL 151.34 LAL -.00 LOL 237.35 VL 26.879 GAL 4.64 AZL 92.52 MCA 238.16 SMA 128.68 ECC .19331 INC 2.5216 V1 29.440
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.917 GAP 5.90 AZP 88.67 TAL 159.89 TAP 38.05 RCA 103.80 APO 153.55 V2 35.250
 RC 120.312 GL -20.02 GP -10.43 ZAL 58.04 ZAP 146.72 ETS 344.84 ZAE 130.60 ETE 188.79 ZAC 119.56 ETC 11.66 CLP-148.22

PLANETOCENTRIC CONIC

C3 11.858 VHL 3.444 DLA -18.95 RAL 173.23 RAD 6567.5 VEL 11.543 PTM 2.01 VHP 4.741 DPA 5.56 RAP 147.19 ECC 1.1952
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 47 55 1462.20 2.99 357.79 27.27 118.17 10 12 18 862.2 6.73 351.12
 90.00 16 30 7 5375.60 27.86 245.80 32.45 84.71 17 59 42 4775.6 26.84 237.28
 100.00 10 57 40 1237.16 1.87 340.63 26.65 119.84 11 18 17 637.2 5.83 334.08
 100.00 18 3 4 5075.88 29.12 223.60 32.29 82.95 19 27 39 4475.9 27.84 215.03
 110.00 11 40 44 1102.18 -.89 328.67 24.92 124.17 11 59 6 502.2 3.59 322.46
 110.00 19 36 28 4783.62 32.34 200.78 31.67 78.28 20 56 12 4183.6 30.39 192.11

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8643 TRA 1.8542 TC3-4.8894 BAU .7799 SGT 5621.5 SGR 633.3 SG3 669.0 ST 3254.2 SR 156.5 SS 1970.0
 RDE -.0199 RRA .2891 RC3 -.5459 FAU .07040 RRT .8504 RRF .8380 RTF .9855 CRT .4968 CRS -.5157 CST -.9997
 FDE-2.7356 FRA 2.9374 FC3-5.1397 BSP 17816 SGB 5657.1 R23 -.0056 R13 .9855 LSA 3804.6 MSA 140.4 SSA 17.0
 BDE 1.8644 BRA 1.8766 BC3 4.9198 FSP -2241 SG1 5647.4 SGT 331.7 TMA 5.49 EL1 3255.1 EL2 135.8 ALF 1.37

LAUNCH DATE MAY 19 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 532.045

RL 151.34 LAL -.00 LOL 237.35 VL 26.857 GAL 4.92 AZL 92.61 MCA 241.40 SMA 128.53 ECC .19651 INC 2.6056 V1 29.440
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.904 GAP 6.33 A7P 88.75 TAL 159.06 TAP 40.46 RCA 103.27 APO 153.79 V2 35.253
 RC 122.538 GL -20.03 GP -9.66 ZAL 56.70 ZAP 148.93 ETS 344.63 ZAE 129.63 ETE 188.00 ZAC 118.31 ETC 12.09 CLP-150.32

PLANETOCENTRIC CONIC

C3 12.612 VML 3.551 DLA -19.54 RAL 174.54 RAD 6567.5 VEL 11.576 PTH 2.02 VMP 4.938 CPA 5.92 RAP 148.51 ECC 1.2076
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 59 36 1451.20 3.34 357.18 29.53 118.14 10 23 48 851.2 7.08 350.49
 90.00 16 28 54 5412.70 28.06 248.49 34.99 86.05 17 59 6 4812.7 27.22 239.93
 100.00 11 8 41 1228.26 2.17 340.15 28.89 119.82 11 29 10 628.3 6.13 333.59
 100.00 18 2 30 5110.87 29.39 226.16 34.86 84.27 19 27 40 4510.9 28.29 217.53
 110.00 11 50 31 1097.20 -.70 328.41 27.09 124.18 12 8 48 497.2 3.78 322.20
 110.00 19 37 10 4814.70 32.75 203.11 34.31 79.61 20 57 24 4214.7 30.97 194.35

DIFFERENTIAL CORRECTIONS

TDE-1.9800 TRA 2.0016 TC3-4.7087 BAU .7980
 RDE .0067 RRA .2806 RC3 -.4807 FAU .06422
 FDE-2.6310 FRA 2.8626 FC3-4.4082 BSP 18282
 BOE 1.9800 BRA 2.0212 BC3 4.7532 FSP -2093

MID-COURSE EXECUTION ACCURACY

SGT 5756.1 SGR 589.4 SG3 622.1
 RRT .8115 RRF .7958 RTF .9851
 SGB 5786.2 R23 -.0111 R13 .9850
 SG1 5776.0 SG2 343.2 TMA 4.77

ORBIT DETERMINATION ACCURACY

ST 3357.4 SR 144.9 SS 1917.2
 CRT .2357 CRS -.2565 CST -.9997
 LSA 3866.2 MSA 145.1 SSA 16.8
 EL1 3357.6 EL2 140.8 ALF .58

LAUNCH DATE MAY 19 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 538.047

RL 151.34 LAL -.00 LOL 237.35 VL 26.834 GAL 5.21 AZL 92.68 MCA 244.65 SMA 128.38 ECC .19996 INC 2.6846 V1 29.440
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.890 GAP 6.76 A7P 88.85 TAL 158.20 TAP 42.85 RCA 102.71 APO 154.05 V2 35.256
 RC 124.755 GL -19.96 GP -9.00 ZAL 55.35 ZAP 150.99 ETS 344.39 ZAE 128.75 ETE 187.34 ZAC 116.96 ETC 12.43 CLP-152.31

PLANETOCENTRIC CONIC

C3 13.442 VML 3.666 DLA -20.06 RAL 175.90 RAD 6567.5 VEL 11.612 PTH 2.03 VMP 5.145 CPA 6.15 RAP 149.91 ECC 1.2212
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 10 50 1443.41 3.59 356.74 31.88 118.11 10 34 54 843.4 7.32 350.05
 90.00 16 28 30 5447.99 28.20 251.07 37.61 87.33 17 59 18 4848.0 27.53 242.47
 100.00 11 19 19 1222.45 2.37 359.83 31.21 119.81 11 39 41 622.4 6.32 333.27
 100.00 18 2 43 5144.19 29.59 228.62 37.51 85.55 19 28 27 4544.2 28.66 219.94
 110.00 11 59 59 1095.00 -.62 328.30 29.34 124.18 12 18 14 495.0 3.87 322.09
 110.00 19 38 32 4844.41 33.09 205.37 37.03 80.90 20 59 16 4244.4 31.48 196.51

DIFFERENTIAL CORRECTIONS

TDE-2.0915 TRA 2.1615 TC3-4.5038 BAU .8129
 RDE .0329 RRA .2738 RC3 -.4231 FAU .05822
 FDE-2.5226 FRA 2.8000 FC3-3.7496 BSP 18636
 BOE 2.0918 BRA 2.1788 BC3 4.5236 FSP -1944

MID-COURSE EXECUTION ACCURACY

SGT 5875.5 SGR 553.6 SG3 578.3
 RRT .7670 RRF .7482 RTF .9845
 SGB 5901.5 R23 -.0150 R13 .9844
 SG1 5890.9 SG2 354.3 TMA 4.15

ORBIT DETERMINATION ACCURACY

ST 3443.4 SR 146.3 SS 1859.7
 CRT -.0394 CRS .0181 CST -.9997
 LSA 3913.3 MSA 150.4 SSA 16.8
 EL1 3443.4 EL2 146.2 ALF 179.90

LAUNCH DATE MAY 19 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 544.018

RL 151.34 LAL -.00 LOL 237.35 VL 26.810 GAL 5.52 AZL 92.76 MCA 247.89 SMA 128.22 ECC .20367 INC 2.7595 V1 29.440
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.875 GAP 7.21 A7P 88.96 TAL 157.32 TAP 45.22 RCA 102.11 APO 154.34 V2 35.258
 RC 126.964 GL -19.82 GP -8.41 ZAL 53.99 ZAP 152.94 ETS 344.09 ZAE 127.94 ETE 186.78 ZAC 115.51 ETC 12.71 CLP-154.18

PLANETOCENTRIC CONIC

C3 14.360 VML 3.790 DLA -20.51 RAL 177.30 RAD 6567.6 VEL 11.651 PTH 2.05 VMP 5.362 CPA 6.25 RAP 151.40 ECC 1.2363
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 21 37 1438.73 3.74 356.48 34.30 118.09 10 45 36 838.7 7.47 349.79
 90.00 16 28 51 5481.67 28.28 253.53 40.30 88.56 18 0 12 4881.7 27.79 244.90
 100.00 11 29 31 1219.61 2.47 339.67 33.60 119.80 11 49 50 619.6 6.42 333.11
 100.00 18 3 38 5176.03 29.73 230.98 40.23 86.78 19 29 54 4576.0 28.97 222.25
 110.00 12 9 8 1095.45 -.64 328.32 31.66 124.18 12 27 23 495.5 3.85 322.11
 110.00 19 40 30 4872.95 33.38 207.54 39.82 82.16 21 1 43 4272.9 31.93 198.61

DIFFERENTIAL CORRECTIONS

TDE-2.2049 TRA 2.3281 TC3-4.2969 BAU .8281
 RDE .0583 RRA .2678 RC3 -.3739 FAU .05292
 FDE-2.4221 FRA 2.7392 FC3-3.1900 BSP 19031
 BOE 2.2056 BRA 2.3435 BC3 4.3131 FSP -1816

MID-COURSE EXECUTION ACCURACY

SGT 5986.9 SGR 524.3 SG3 538.3
 RRT .7179 RRF .6961 RTF .9840
 SGB 6009.8 R23 -.0186 R13 .9839
 SG1 5998.8 SG2 364.3 TMA 3.61

ORBIT DETERMINATION ACCURACY

ST 3520.5 SR 157.0 SS 1804.7
 CRT -.2656 CRS .2455 CST -.9997
 LSA 3956.1 MSA 155.2 SSA 16.4
 EL1 3520.8 EL2 151.4 ALF 179.32

LAUNCH DATE MAY 19 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 549.955

RL 151.34 LAL -.00 LOL 237.35 VL 26.786 GAL 5.86 AZL 92.83 MCA 251.14 SMA 128.06 ECC .20766 INC 2.8310 V1 29.440
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.859 GAP 7.66 A7P 89.08 TAL 156.42 TAP 47.56 RCA 101.47 APO 154.65 V2 35.259
 RC 129.165 GL -19.61 GP -7.88 ZAL 52.61 ZAP 154.77 ETS 343.73 ZAE 127.21 ETE 186.31 ZAC 113.98 ETC 12.93 CLP-155.96

PLANETOCENTRIC CONIC

C3 15.378 VML 3.921 DLA -20.90 RAL 178.72 RAD 6567.6 VEL 11.695 PTH 2.06 VMP 5.588 CPA 6.25 RAP 152.96 ECC 1.2531
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 31 55 1437.07 3.79 356.39 36.78 118.08 10 55 52 837.1 7.52 349.69
 90.00 16 29 53 5513.89 28.32 255.88 43.05 89.75 18 1 47 4913.9 27.98 247.23
 100.00 11 39 17 1219.64 2.47 339.67 36.05 119.80 11 59 37 619.6 6.41 333.11
 100.00 18 5 12 5206.56 29.83 233.24 43.02 87.97 19 31 58 4606.6 29.23 224.49
 110.00 12 17 57 1098.47 -.75 328.48 34.04 124.18 12 36 15 498.5 3.74 322.27
 110.00 19 43 2 4900.49 33.61 209.66 42.68 83.39 21 4 42 4300.5 32.34 200.66

DIFFERENTIAL CORRECTIONS

TDE-2.3178 TRA 2.5054 TC3-4.0801 BAU .8416
 RDE .0833 RRA .2624 RC3 -.3305 FAU .04801
 FDE-2.3260 FRA 2.6847 FC3-2.7028 BSP 19408
 BOE 2.3193 BRA 2.5191 BC3 4.0935 FSP -1699

MID-COURSE EXECUTION ACCURACY

SGT 6087.8 SGR 500.4 SG3 501.4
 RRT .6648 RRF .6401 RTF .9835
 SGB 6108.4 R23 -.0216 R13 .9835
 SG1 6096.9 SG2 373.3 TMA 3.14

ORBIT DETERMINATION ACCURACY

ST 3585.9 SR 173.3 SS 1750.0
 CRT -.4293 CRS .4110 CST -.9997
 LSA 3990.7 MSA 160.0 SSA 16.2
 EL1 3586.7 EL2 156.5 ALF 178.81

LAUNCH DATE MAY 19 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 555.857

RL 151.34 LAL -.00 LOL 237.35 VL 26.761 GAL 6.21 AZL 92.90 MCA 254.39 SMA 127.90 ECC .21196 INC 2.8998 V1 29.440
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.842 GAP 8.12 AZP 89.22 TAL 155.51 TAP 49.90 RCA 100.79 APO 155.01 V2 35.259
 RC 131.355 GL -19.35 GP -7.42 ZAL 51.23 ZAP 156.51 ETS 343.29 ZAE 126.54 ETE 185.90 ZAC 112.37 ETC 13.10 CLP-157.65

PLANETOCENTRIC CONIC

C3 16.508 VML 4.063 DLA -21.23 RAL 180.16 RAD 6567.7 VEL 11.743 PTH 2.07 VMP 5.823 DPA 6.15 RAP 154.57 ECC 1.2717
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 41 43 1438.38 3.75 356.46 39.32 118.09 11 5 42 838.4 7.48 349.77
 90.00 16 31 34 5544.78 28.30 258.14 45.86 90.88 18 3 59 4944.8 28.13 249.48
 100.00 11 48 37 1222.47 2.37 339.83 38.56 119.81 12 9 0 622.5 6.32 333.27
 100.00 18 7 22 5235.91 29.88 235.42 45.86 89.12 19 34 37 4635.9 29.44 226.64
 110.00 12 26 26 1103.96 -.96 328.76 36.48 124.17 12 44 50 504.0 3.53 322.56
 110.00 19 46 2 4927.19 33.80 211.72 45.61 84.60 21 8 9 4327.2 32.69 202.66

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4297 TRA 2.6942 TC3-3.8555 BAU .8533 SGT 6178.2 SGR 480.8 SG3 467.3 ST 3639.3 SR 192.4 SS 1695.2
 RDE .1083 RRA .2574 RC3 -.2917 FAU .04344 RRT .6083 RRF .5813 RTF .9830 CRT -.5421 CRS .5254 CST -.9997
 FDE-2.2331 FRA 2.6366 FC3-2.2782 BSP 19737 SGB 6196.9 R23 -.0240 R13 .9829 LSA 4015.9 MSA 164.8 SSA 15.9
 BDE 2.4322 BRA 2.7065 BC3 3.8665 FSP -1589 SGI 6185.2 SG2 381.2 THA 2.72 ELI 3640.8 EL2 161.6 ALF 178.36

LAUNCH DATE MAY 19 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 561.720

RL 151.34 LAL -.00 LOL 237.35 VL 26.736 GAL 6.59 AZL 92.97 MCA 257.64 SMA 127.73 ECC .21657 INC 2.9664 V1 29.440
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.823 GAP 8.59 AZP 89.36 TAL 154.57 TAP 52.21 RCA 100.07 APO 155.39 V2 35.259
 RC 133.537 GL -19.03 GP -7.00 ZAL 49.85 ZAP 158.16 ETS 342.78 ZAE 125.92 ETE 185.55 ZAC 110.70 ETC 13.23 CLP-159.27

PLANETOCENTRIC CONIC

C3 17.766 VML 4.215 DLA -21.52 RAL 181.61 RAD 6567.7 VEL 11.796 PTH 2.09 VMP 6.070 DPA 5.97 RAP 156.25 ECC 1.2924
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 51 1 1442.59 3.61 356.70 41.91 118.10 11 15 4 842.6 7.35 350.00
 90.00 16 33 51 5574.45 28.25 260.31 48.73 91.97 18 6 46 4974.4 28.23 251.65
 100.00 11 57 30 1228.04 2.18 340.13 41.11 119.82 12 17 58 628.0 6.13 333.58
 100.00 18 10 4 5264.23 29.89 237.53 48.76 90.23 19 37 48 4664.2 29.60 228.73
 110.00 12 34 34 1111.86 -1.27 329.18 38.96 124.16 12 53 6 511.9 3.23 322.97
 110.00 19 49 29 4953.17 33.95 213.73 48.60 85.78 21 12 2 4353.2 33.00 204.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5387 TRA 2.8987 TC3-3.6186 BAU .8616 SGT 6257.3 SGR 464.9 SG3 435.9 ST 3678.6 SR 212.6 SS 1639.3
 RDE .1334 RRA .2528 RC3 -.2566 FAU .03904 RRT .5496 RRF .5208 RTF .9824 CRT -.6192 CRS .6037 CST -.9998
 FDE-2.1411 FRA 2.5977 FC3-1.9023 BSP 19963 SGB 6274.5 R23 -.0255 R13 .9824 LSA 4029.3 MSA 169.8 SSA 15.7
 BDE 2.5422 BRA 2.9097 BC3 3.6277 FSP -1480 SGI 6262.5 SG2 388.0 THA 2.35 ELI 3681.0 EL2 166.8 ALF 177.95

LAUNCH DATE MAY 19 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 567.541

RL 151.34 LAL -.00 LOL 237.35 VL 26.711 GAL 7.00 AZL 93.03 MCA 260.88 SMA 127.56 ECC .22153 INC 3.0314 V1 29.440
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.804 GAP 9.08 AZP 89.52 TAL 153.63 TAP 54.51 RCA 99.30 APO 155.82 V2 35.257
 RC 135.709 GL -18.68 GP -6.63 ZAL 48.48 ZAP 159.74 ETS 342.17 ZAE 125.36 ETE 185.25 ZAC 108.97 ETC 13.33 CLP-160.81

PLANETOCENTRIC CONIC

C3 19.169 VML 4.378 DLA -21.75 RAL 183.06 RAD 6567.8 VEL 11.855 PTH 2.10 VMP 6.329 DPA 5.72 RAP 157.96 ECC 1.3135
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 59 47 1449.67 3.39 357.09 44.53 118.13 11 23 57 849.7 7.12 350.41
 90.00 16 36 41 5602.99 28.17 262.40 51.64 93.01 18 10 4 5003.0 28.29 253.73
 100.00 12 5 54 1236.31 1.90 340.59 43.71 119.84 12 26 30 636.3 5.86 334.04
 100.00 18 13 16 5291.59 29.87 239.56 51.71 91.30 19 41 27 4691.6 29.73 230.76
 110.00 12 42 20 1122.13 -1.66 329.71 41.48 124.15 13 1 2 522.1 2.83 323.51
 110.00 19 53 19 4978.54 34.06 215.71 51.64 86.94 21 16 18 4378.5 33.26 206.56

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6524 TRA 3.1119 TC3-3.3891 BAU .8704 SGT 6330.9 SGR 451.6 SG3 407.2 ST 3713.1 SR 232.2 SS 1588.0
 RDE .1583 RRA .2479 RC3 -.2256 FAU .03517 RRT .4892 RRF .4588 RTF .9820 CRT -.6735 CRS .6592 CST -.9998
 FDE-2.0591 FRA 2.5800 FC3-1.5885 BSP 20256 SGB 6347.0 R23 -.0269 R13 .9819 LSA 4041.3 MSA 174.2 SSA 15.4
 BDE 2.6572 BRA 3.1218 BC3 3.3966 FSP -1387 SGI 6334.8 SG2 393.6 THA 2.01 ELI 3716.4 EL2 171.5 ALF 177.58

LAUNCH DATE MAY 19 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 573.314

RL 151.34 LAL -.00 LOL 237.35 VL 26.685 GAL 7.43 AZL 93.10 MCA 264.13 SMA 127.39 ECC .22687 INC 3.0952 V1 29.440
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.784 GAP 9.59 AZP 89.68 TAL 152.68 TAP 56.81 RCA 98.49 APO 156.30 V2 35.255
 RC 137.871 GL -18.29 GP -6.30 ZAL 47.12 ZAP 161.25 ETS 341.46 ZAE 124.84 ETE 184.97 ZAC 107.19 ETC 13.41 CLP-162.30

PLANETOCENTRIC CONIC

C3 20.737 VML 4.554 DLA -21.94 RAL 184.52 RAD 6567.8 VEL 11.921 PTH 2.12 VMP 6.599 DPA 5.39 RAP 159.72 ECC 1.3413
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 8 1 1459.59 3.07 357.65 47.19 118.16 11 32 21 859.6 6.81 350.97
 90.00 16 40 2 5630.49 28.06 264.40 54.60 94.01 18 13 52 5030.5 28.32 255.74
 100.00 12 13 49 1247.21 1.53 341.19 46.34 119.86 12 34 36 647.2 5.49 334.64
 100.00 18 16 55 5318.10 29.81 241.53 54.71 92.33 19 45 33 4718.1 29.81 232.72
 110.00 12 49 43 1134.89 -2.14 330.37 44.04 124.12 13 8 38 534.7 2.36 324.16
 110.00 19 57 30 5003.39 34.14 217.65 54.73 88.09 21 20 54 4403.4 33.49 208.46

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7669 TRA 3.3390 TC3-3.1582 BAU .8773 SGT 6395.8 SGR 440.4 SG3 380.7 ST 3738.1 SR 251.1 SS 1538.0
 RDE .1834 RRA .2426 RC3 -.1975 FAU .03156 RRT .4276 RRF .3962 RTF .9816 CRT -.7126 CRS .6993 CST -.9998
 FDE-1.9817 FRA 2.5274 FC3-1.3176 BSP 20526 SGB 6411.0 R23 -.0279 R13 .9815 LSA 4046.0 MSA 178.4 SSA 15.1
 BDE 2.7730 BRA 3.3478 BC3 3.1644 FSP -1302 SGI 6398.6 SG2 397.9 THA 1.69 ELI 3742.4 EL2 175.9 ALF 177.25

LAUNCH DATE MAY 19 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 579.036

RL 151.34 LAL -.00 LOL 237.35 VL 26.659 GAL 7.89 AZL 93.16 MCA 267.38 SMA 127.22 ECC .23262 INC 3.1583 V1 29.440
 RP 107.50 LAP 3.16 LOP 144.72 VP 37.763 GAP 10.11 A2P 89.86 TAL 151.72 TAP 59.10 RCA 97.63 APO 156.82 V2 35.253
 RC 140.023 GL -17.86 GP -6.00 ZAL 45.78 ZAP 162.69 ETS 340.61 ZAE 124.36 ETE 184.73 ZAC 105.37 ETC 13.46 CLP-163.74

PLANETOCENTRIC CONIC

C3 22.494 VML 4.743 DLA -22.09 RAL 185.96 RAD 6567.9 VEL 11.995 PTH 2.14 VMP 6.884 OPA 5.00 RAP 161.51 ECC 1.3702
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 15 42 1472.27 2.66 358.36 49.88 118.20 11 40 14 872.3 5.92 352.56
 90.00 16 43 51 5657.04 27.91 266.33 57.60 94.96 18 18 8 5057.0 28.31 257.69
 100.00 12 21 15 1260.70 1.08 341.93 48.99 119.87 12 42 16 660.7 5.04 335.39
 100.00 18 20 59 5343.85 29.72 243.44 57.75 93.33 19 50 3 4743.8 29.87 234.64
 110.00 12 56 43 1149.49 -2.70 331.14 46.64 124.09 13 15 53 549.5 1.79 324.94
 110.00 20 2 0 5027.82 34.18 219.55 57.86 89.21 21 25 48 4427.8 33.69 210.34

DIFFERENTIAL CORRECTIONS

TDE-2.8828 TRA 3.5808 TC3-2.9282 BAU .8821
 RDE .2089 RRA .2369 RC3 -.1722 FAU .02820
 FDE-1.9088 FRA 2.4998 FC3-1.0855 BSP 20767
 BDE 2.8903 BRA 3.5886 BC3 2.9332 FSP -1222

MID-COURSE EXECUTION ACCURACY

SGT 6452.7 SGR 431.0 SG3 356.2
 RRT .3655 RRF .3336 RTF .9812
 SGB 6467.1 R23 -.0284 R13 .9812
 SG1 6454.7 SG2 401.0 TMA 1.40

ORBIT DETERMINATION ACCURACY

ST 3754.6 SR 268.9 SS 1489.8
 CRT -.7417 CRS .7293 CST -.9998
 LSA 4044.2 MSA 182.4 SSA 14.8
 EL1 3759.9 EL2 180.1 ALF 176.95

LAUNCH DATE MAY 19 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 584.700

RL 151.34 LAL -.00 LOL 237.35 VL 26.632 GAL 8.38 AZL 93.22 MCA 270.62 SMA 127.05 ECC .23882 INC 3.2210 V1 29.440
 RP 107.51 LAP 3.22 LOP 147.97 VP 37.741 GAP 10.65 A2P 90.04 TAL 150.75 TAP 61.38 RCA 96.71 APO 157.39 V2 35.249
 RC 142.165 GL -17.42 GP -5.73 ZAL 44.45 ZAP 164.09 ETS 339.61 ZAE 123.91 ETE 184.51 ZAC 103.51 ETC 13.50 CLP-165.13

PLANETOCENTRIC CONIC

C3 24.467 VML 4.946 DLA -22.20 RAL 187.38 RAD 6568.0 VEL 12.077 PTH 2.16 VMP 7.184 OPA 4.56 RAP 163.33 ECC 1.4027
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 22 48 1487.69 2.17 359.22 52.58 118.24 11 47 36 887.7 5.92 352.56
 90.00 16 48 7 5682.70 27.75 268.19 60.63 95.88 18 22 49 5082.7 28.27 259.56
 100.00 12 28 10 1276.71 .53 342.81 51.68 119.89 12 49 27 676.7 4.51 336.27
 100.00 18 25 26 5360.91 29.61 245.29 60.82 94.30 19 54 54 4768.9 29.89 236.50
 110.00 13 3 20 1166.48 -3.35 332.03 49.25 124.04 13 22 47 566.5 1.14 325.82
 110.00 20 6 45 5051.90 34.18 221.43 61.04 90.33 21 30 57 4451.9 33.85 212.20

DIFFERENTIAL CORRECTIONS

TDE-3.0007 TRA 3.8387 TC3-2.6997 BAU .8844
 RDE .2347 RRA .2304 RC3 -.1493 FAU .02505
 FDE-1.8407 FRA 2.4773 FC3 -.8863 BSP 20975
 BDE 3.0099 BRA 3.8456 BC3 2.7038 FSP -1147

MID-COURSE EXECUTION ACCURACY

SGT 6502.0 SGR 422.9 SG3 333.7
 RRT .3031 RRF .2712 RTF .9809
 SGB 6515.8 R23 -.0286 R13 .9809
 SG1 6503.3 SG2 402.9 TMA 1.13

ORBIT DETERMINATION ACCURACY

ST 3763.4 SR 285.4 SS 1443.8
 CRT -.7637 CRS .7521 CST -.9998
 LSA 4036.6 MSA 186.0 SSA 14.5
 EL1 3769.7 EL2 183.9 ALF 176.68

LAUNCH DATE MAY 19 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 590.299

RL 151.34 LAL -.00 LOL 237.35 VL 26.605 GAL 8.91 AZL 93.28 MCA 273.87 SMA 126.88 ECC .24551 INC 3.2838 V1 29.440
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.718 GAP 11.22 A2P 90.22 TAL 149.79 TAP 63.66 RCA 95.73 APO 158.03 V2 35.245
 RC 144.295 GL -16.94 GP -5.48 ZAL 43.15 ZAP 165.43 ETS 338.42 ZAE 123.48 ETE 184.32 ZAC 101.62 ETC 13.53 CLP-166.48

PLANETOCENTRIC CONIC

C3 26.689 VML 5.166 DLA -22.27 RAL 188.79 RAD 6568.1 VEL 12.168 PTH 2.18 VMP 7.500 OPA 4.07 RAP 165.17 ECC 1.4392
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 29 21 1505.75 1.58 .23 55.31 118.28 11 54 27 905.8 5.35 353.57
 90.00 16 52 46 5707.56 27.56 269.98 63.70 96.76 18 27 53 5107.6 28.21 261.38
 100.00 12 34 36 1295.17 -.09 343.82 54.38 119.89 12 56 11 695.2 3.88 337.29
 100.00 18 30 12 5393.37 29.47 247.10 63.92 95.24 20 0 6 4793.4 29.89 238.32
 110.00 13 9 33 1185.61 -4.08 333.03 51.89 123.97 13 29 18 585.6 .41 326.82
 110.00 20 11 45 5075.70 34.16 223.29 64.25 91.43 21 36 20 4475.7 33.98 214.05

DIFFERENTIAL CORRECTIONS

TDE-3.1179 TRA 4.1167 TC3-2.4703 BAU .8826
 RDE .2611 RRA .2230 RC3 -.1284 FAU .02199
 FDE-1.7750 FRA 2.4612 FC3 -.7134 BSP 21090
 BDE 3.1289 BRA 4.1227 BC3 2.4736 FSP -1074

MID-COURSE EXECUTION ACCURACY

SGT 6543.2 SGR 415.8 SG3 312.9
 RRT .2412 RRF .2100 RTF .9807
 SGB 6556.4 R23 -.0283 R13 .9806
 SG1 6543.9 SG2 403.5 TMA .88

ORBIT DETERMINATION ACCURACY

ST 3762.2 SR 300.5 SS 1398.7
 CRT -.7805 CRS .7693 CST -.9998
 LSA 4020.5 MSA 189.5 SSA 14.2
 EL1 3769.5 EL2 187.5 ALF 176.42

LAUNCH DATE MAY 19 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 19 1967

HELIOCENTRIC CONIC

DISTANCE 595.826

RL 151.34 LAL -.00 LOL 237.35 VL 26.579 GAL 9.48 AZL 93.35 MCA 277.11 SMA 126.71 ECC .25274 INC 3.3471 V1 29.440
 RP 107.53 LAP 3.32 LOP 154.48 VP 37.695 GAP 11.82 A2P 90.42 TAL 148.83 TAP 65.94 RCA 94.68 APO 158.73 V2 35.240
 RC 146.414 GL -16.46 GP -5.26 ZAL 41.88 ZAP 166.73 ETS 337.00 ZAE 123.08 ETE 184.13 ZAC 99.70 ETC 13.55 CLP-167.80

PLANETOCENTRIC CONIC

C3 29.197 VML 5.403 DLA -22.31 RAL 190.16 RAD 6568.2 VEL 12.271 PTH 2.21 VMP 7.835 OPA 3.53 RAP 167.03 ECC 1.4805
 LNCH AZMTM LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTM INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 35 20 1526.41 .92 1.38 58.05 118.30 12 0 46 926.4 4.69 354.73
 90.00 16 57 46 5731.67 27.36 271.72 66.79 97.61 18 33 18 5131.7 28.13 263.14
 100.00 12 40 31 1316.04 -.80 344.96 57.09 119.88 13 2 27 716.0 3.18 338.44
 100.00 18 35 17 5417.28 29.31 248.86 67.06 96.16 20 5 34 4817.3 29.85 240.09
 110.00 13 15 21 1206.81 -4.88 334.14 54.55 123.87 13 35 28 606.8 -.40 327.93
 110.00 20 16 55 5099.28 34.10 225.13 67.48 92.51 21 41 55 4499.3 34.07 215.89

DIFFERENTIAL CORRECTIONS

TDE-3.2425 TRA 4.4087 TC3-2.2525 BAU .8803
 RDE .2878 RRA .2145 RC3 -.1099 FAU .01925
 FDE-1.7170 FRA 2.4471 FC3 -.5709 BSP 21277
 BDE 3.2553 BRA 4.4140 BC3 2.2551 FSP -1010

MID-COURSE EXECUTION ACCURACY

SGT 6578.7 SGR 409.5 SG3 293.8
 RRT .1789 RRF .1487 RTF .9805
 SGB 6591.4 R23 -.0278 R13 .9805
 SG1 6579.1 SG2 402.8 TMA .64

ORBIT DETERMINATION ACCURACY

ST 3758.3 SR 314.0 SS 1357.8
 CRT -.7942 CRS .7836 CST -.9998
 LSA 4003.7 MSA 192.2 SSA 13.9
 EL1 3766.6 EL2 190.3 ALF 176.19

LAUNCH DATE MAY 19 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 21 1967

HELIOCENTRIC CONIC

DISTANCE 601.269

RL 151.34 LAL -.00 LOL 237.35 VL 26.552 GAL 10.08 AZL 93.41 MCA 280.36 SMA 126.53 ECC .26057 INC 3.4112 V1 29.440
 RP 107.55 LAP 3.36 LOP 157.72 VP 37.671 GAP 12.44 AZP 90.61 TAL 147.88 TAP 68.24 RCA 93.56 APO 159.51 V2 35.234
 RC 148.521 GL -15.95 GP -5.06 ZAL 40.64 ZAP 167.98 ETS 335.27 ZAE 122.69 ETE 183.96 ZAC 97.76 ETC 13.57 CLP-169.09

PLANETOCENTRIC CONIC

C3 32.037 VHL 5.660 OLA -22.31 RAL 191.51 RAD 6568.3 VEL 12.386 PTM 2.24 VHP 8.191 OPA 2.96 RAP 168.90 ECC 1.5272
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 40 44 1549.57 .17 2.67 60.79 118.32 12 6 34 949.6 3.95 356.03
 90.00 17 3 6 5755.11 27.13 273.40 69.90 98.42 18 39 1 5155.1 28.02 264.84
 100.00 12 45 55 1339.21 -1.59 346.23 59.81 119.85 13 8 14 739.2 2.40 339.71
 100.00 18 40 37 5440.70 29.13 250.57 70.21 97.04 20 11 18 4840.7 29.80 241.83
 110.00 13 20 45 1230.01 -5.76 335.36 57.22 123.75 13 41 15 630.0 -1.29 329.14
 110.00 20 22 16 5122.67 34.02 226.95 70.74 93.59 21 47 39 4522.7 34.14 217.71

DIFFERENTIAL CORRECTIONS

TDE-3.3710 TRA 4.7208 TC3-2.0402 BAU .8748
 ROE .3150 RRA .2045 RC3 -.0934 FAU .01668
 FDE-1.6636 FRA 2.4375 FC3 -.4507 BSP 21432
 BDE 3.3857 BRA 4.7253 BC3 2.0424 FSP -951

MID-COURSE EXECUTION ACCURACY

SGT 6607.5 SGR 403.7 SG3 276.1
 RRT .1169 RRF .0882 RTF .9805
 SGB 6619.9 R23 -.0270 R13 .9805
 SGI 6607.7 SG2 400.9 TMA .41

ORBIT DETERMINATION ACCURACY

ST 3748.4 SR 325.9 SS 1319.4
 CRT -.8055 CRS .7953 CST -.9998
 LSA 3982.4 MSA 194.4 SSA 13.6
 EL1 3757.6 EL2 192.7 ALF 175.98

LAUNCH DATE MAY 19 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 23 1967

HELIOCENTRIC CONIC

DISTANCE 606.619

RL 151.34 LAL -.00 LOL 237.35 VL 26.525 GAL 10.73 AZL 93.48 MCA 283.60 SMA 126.36 ECC .26906 INC 3.4767 V1 29.440
 RP 107.57 LAP 3.38 LOP 160.97 VP 37.646 GAP 13.11 AZP 90.82 TAL 146.94 TAP 70.54 RCA 92.36 APO 160.36 V2 35.228
 RC 150.615 GL -15.44 GP -4.88 ZAL 39.43 ZAP 169.20 ETS 333.15 ZAE 122.32 ETE 183.90 ZAC 95.81 ETC 13.59 CLP-170.36

PLANETOCENTRIC CONIC

C3 35.262 VHL 5.938 OLA -22.28 RAL 192.82 RAD 6568.4 VEL 12.515 PTM 2.27 VHP 8.570 OPA 2.35 RAP 170.78 ECC 1.5803
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 45 35 1575.15 -.66 4.10 63.54 118.31 12 11 50 975.1 3.13 357.47
 90.00 17 8 43 5777.91 26.90 275.02 73.03 99.20 18 45 1 5177.9 27.89 266.50
 100.00 12 50 48 1364.63 -2.45 347.63 62.54 119.80 13 13 33 764.6 1.54 341.11
 100.00 18 46 11 5463.67 28.92 252.25 73.38 97.90 20 17 14 4863.7 29.71 243.54
 110.00 13 25 43 1255.15 -6.71 336.69 59.90 123.60 13 46 39 655.2 -2.25 330.45
 110.00 20 27 45 5145.90 33.90 228.76 74.02 94.65 21 53 31 4545.9 34.18 219.52

DIFFERENTIAL CORRECTIONS

TDE-3.5043 TRA 5.0540 TC3-1.8348 BAU .8657
 ROE .3429 RRA .1930 RC3 -.0786 FAU .01424
 FDE-1.6144 FRA 2.4325 FC3 -.3496 BSP 21575
 BDE 3.5210 BRA 5.0577 BC3 1.8364 FSP -896

MID-COURSE EXECUTION ACCURACY

SGT 6629.6 SGR 398.3 SG3 259.7
 RRT .0552 RRF .0284 RTF .9806
 SGB 6641.6 R23 -.0259 R13 .9806
 SGI 6629.7 SG2 397.7 TMA .19

ORBIT DETERMINATION ACCURACY

ST 3733.1 SR 336.3 SS 1283.6
 CRT -.8148 CRS .8050 CST -.9998
 LSA 3957.0 MSA 196.0 SSA 13.2
 EL1 3743.1 EL2 194.4 ALF 175.79

LAUNCH DATE MAY 19 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 25 1967

HELIOCENTRIC CONIC

DISTANCE 611.859

RL 151.34 LAL -.00 LOL 237.35 VL 26.498 GAL 11.43 AZL 93.54 MCA 286.84 SMA 126.19 ECC .27829 INC 3.5440 V1 29.440
 RP 107.59 LAP 3.39 LOP 164.22 VP 37.620 GAP 13.81 AZP 91.03 TAL 146.02 TAP 72.86 RCA 91.07 APO 161.31 V2 35.221
 RC 152.696 GL -14.91 GP -4.72 ZAL 38.26 ZAP 170.39 ETS 330.50 ZAE 121.95 ETE 183.65 ZAC 93.85 ETC 13.61 CLP-171.61

PLANETOCENTRIC CONIC

C3 38.938 VHL 6.240 OLA -22.22 RAL 194.09 RAD 6568.5 VEL 12.661 PTM 2.30 VHP 8.975 OPA 1.71 RAP 172.67 ECC 1.6408
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 49 51 1603.04 -1.56 5.65 66.28 118.28 12 16 34 1003.0 2.23 359.02
 90.00 17 14 35 5800.13 26.65 276.60 76.17 99.96 18 51 15 5200.1 27.75 268.11
 100.00 12 55 11 1392.18 -3.38 349.15 65.27 119.72 13 18 23 792.2 .60 342.62
 100.00 18 51 56 5486.22 28.70 253.89 76.55 98.74 20 23 22 4886.2 29.61 245.20
 110.00 13 30 17 1282.16 -7.73 338.12 62.59 123.40 13 51 39 682.2 -3.28 331.86
 110.00 20 33 19 5169.00 33.76 230.55 77.30 95.70 21 59 28 4569.0 34.18 221.33

DIFFERENTIAL CORRECTIONS

TDE-3.6397 TRA 5.4145 TC3-1.6327 BAU .8506
 ROE .3713 RRA .1798 RC3 -.0656 FAU .01182
 FDE-1.5679 FRA 2.4342 FC3 -.2629 BSP 21596
 BDE 3.6586 BRA 5.4175 BC3 1.6340 FSP -841

MID-COURSE EXECUTION ACCURACY

SGT 6645.4 SGR 393.4 SG3 244.5
 RRT -.0057 RRF -.0301 RTF .9808
 SGB 6657.1 R23 .0244 R13 -.9808
 SGI 6645.4 SG2 393.4 TMA 179.98

ORBIT DETERMINATION ACCURACY

ST 3710.5 SR 345.1 SS 1249.7
 CRT -.8223 CRS .8128 CST -.9998
 LSA 3925.5 MSA 197.3 SSA 12.9
 EL1 3721.4 EL2 195.8 ALF 175.61

